

EMBO | EMBC
annual report 2008



EMBC

EUROPEAN MOLECULAR BIOLOGY ORGANIZATION | EUROPEAN MOLECULAR BIOLOGY CONFERENCE

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At EMBO, the year 2008 was exciting and work intensive. While EMBO staff carried on with dedication to run our well-established and highly valued programmes and activities, we reassessed some of our activities and routine. Considering that concepts and approaches of molecular biology have over the years pervaded practically all areas of biological research including disciplines with clearly applied goals, such as biomedical research, plant breeding and biotechnology, we may ask whether the scope and emphasis of EMBO activities is taking all these developments into proper account. For example, does our current membership reflect all the important areas of life sciences, where approaches of molecular biology have moved the field? Are we sufficiently aware of the emerging fields brought about by the synergy between molecular and cell biology and the new opportunities offered by physics, chemistry and informatics? Are our programmes and activities addressing all the relevant communities of researchers in Europe? Scientific publishing is in a state of rapid development – keywords: open access, derivatization, blogs etc – where will, where can EMBO position itself?

Pondering on such themes, we are in the unique situation to profit from advice of a most competent membership. Indeed, the dedication by which our members – individually, as part of committees and working groups or as members of the EMBO Council – support our activities in a truly European spirit is a hallmark of EMBO.

Probably the most important change we have introduced concerns our membership. The EMBO Council moved, for the first time since the foundation of EMBO in 1964, to significantly modify the membership election procedure (page 17, 59) with the aim that our membership would reflect in future more closely the diversity of contemporary molecular biology. The new procedure was implemented immediately for the 2009 membership elections.

In line with broadening the spectrum of our activities, EMBO continues to help forge links between basic biology and clinical research. The EMBO Molecular Medicine Workshop is now an annual event; EMBO Fellowships offers sabbatical grants for clinicians to spend time at the bench. But most importantly, everything is in place for the launch of our new journal, *EMBO Molecular Medicine*, in early 2009 and we are delighted to have a renowned group of scientists on board as editors and advisors (page 35).

EMBO publications are an important and highly visible part of the organization's activities. We therefore regularly assess our editorial policies to ensure that the needs of authors and readers are met. The recent announcement of a "transparent review process" for *The EMBO Journal* (page 32) aims to make this process even more visible and is a first step in the further development of what I like to call our "editorial culture". *Molecular Systems Biology*, in just three years, has developed a high level of regard within the systems biology → →



Hermann Bujard
EMBO Director

community, evidenced by a 2007 impact factor of 9.954 (page 34). *EMBO reports* continues to be recognized for its innovative format combining scientific reports with reviews and articles that link scientific research with society (page 33). Mindful that new publishing models and technologies represent both threats and opportunities, a special working party of EMBO Members and other stakeholders in scientific publishing reviewed recent developments and their potential impact on the EMBO publications and we will continue to monitor these in the future.

Consistent with the view that we need a broad scope annual life science conference in Europe, we are preparing for the inauguration of *The EMBO Meeting in 2009* (page 38). This annual conference continues a tradition begun by *Kai Simons* with the successful ELSO meetings held since the year 2000. Thus, after the final ELSO meeting in Nice in September 2008 – jointly organized by ELSO and EMBO – EMBO will take over this important task. The meeting will serve as a platform for scientific exchange beyond narrow field boundaries and address scientists at all stages of their career from academia and industry alike including, in particular, graduate and PhD students.

The fruitful cooperation with EMBL continued in our Science & Society Programme. Thus, in 2009, EMBO will organize the 10th EMBO/EMBL Science & Society Conference addressing a most pressing problem – *Food, sustainability and plant science: a global challenge*. Moreover,

we are excited by the new EMBL Advanced Training Centre, which will allow us to organize together the new annual series of EMBO/EMBL Symposia. The inaugural symposia series for 2010 covering most interesting topics is in place (page 18).

Three EMBO Members were honoured, with the Noble Prize in 2008: *Luc Montagnier*, for the identification of the human immunodeficiency virus, *Harald zur Hausen* for his work on virus induced cervical cancer, and *Robert Tsien* and colleagues for the discovery of fluorescent proteins, which, developed into tools, have revolutionized the study of gene function. EMBO congratulates its new Nobel Laureates and takes pride in having them joining the illustrious group of EMBO Members, now 48, who have received over the years this most prestigious award.

In 2008, 59 new EMBO Members were elected (51 ordinary members and eight associate members from non-EMBC countries). A most memorable meeting, splendidly organized by *Howy Jacobs* in Tampere, Finland, gave us the opportunity to welcome our new members elected in 2007 and to award the EMBO Gold Medal for 2007 to developmental biologist, *James Briscoe* (page 40).

We also welcomed 12 young colleagues who were elected EMBO Young Investigators and seven young scientists who were awarded EMBO Installation Grants to set up laboratories in the Czech Republic, Estonia, Hungary, Poland, Portugal and Turkey (page 26, 27, 120, 121).

The success of these as well as of our post-doctoral fellowship programmes (page 24) is based on both a well-conceived evaluation and election process and on the EMBO tradition of fostering communities where the awardees meet, communicate and finally form a network of first-rate researchers interacting throughout Europe and worldwide. An interesting example resulting from such interactions was the *EMBO Young Scientists Forum* in Istanbul organized by Turkish recipients of EMBO Installation Grants. Over 400 Turkish Master and PhD students gathered in this excellent and spirited meeting that created much excitement also in Turkish media (page 27).

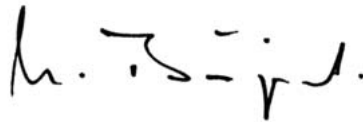
Training and access to information are keys to success for scientists. In 2008 again around 6000 researchers participated in one of our “core activities”, the EMBO Course & Workshops programme, renowned for its quality that results from the evaluations of our members serving on the EMBO Courses & Workshops Committee (page 25).

During the past year, we improved and simplified many internal processes. *Gerlind Wallon* and *Jan Taplick* assumed increased responsibilities as Deputy Directors of EMBO. Information technology is now co-ordinated within the Information, Resources & Support group (page 43) and all communications activities are co-ordinated through the Public Relations & Communications group (page 44) – both groups were key

to the recent launches of new websites for both EMBC and EMBO.

In all our efforts we found insightful support and guidance from delegates of the EMBC, from the EMBO Council and of course from numerous EMBO Members. I am confident that we can build on that experience in future, particularly in the year 2009, when we are seeking continued support from the EMBC Member States for the execution of our general programme in the period from 2010 to 2015.

Finally, I would like to thank EMBO staff for their dedication and initiative in serving our community. □





Tim Hunt
EMBO Council Chair

The EMBO Council took some important decisions in 2008. The first of these concerned the procedure for election of new members. A second important decision was to proceed with publishing *EMBO Molecular Medicine*, but I have written about this in a preface to the inaugural issue, and would urge you to take a look for yourself.

Over the years, some curious features have crept into the annual membership election procedure, doubtless for excellent reasons. For example, I was not alone in wondering why it took so long to announce the results of each year's elections. The answer in one sense is quite simple: Council must approve the final list, and meets at most twice in each year, missing the deadline for elections at its first meeting, and approving the list very late in the year at its second meeting. As you probably realize, the actual business of drawing up the list is devolved to a special committee that takes its responsibilities very seriously, and Council has never, in my time at least, tinkered with its recommendations. But there's still a long time between meetings, and hence a long silence between voting and result. This is difficult to avoid, I am afraid, but at least for the time being, you can count on the announcement following swiftly after Council's October meeting. With no word beforehand.

Another aspect of the election process began to bother people. At first sight, what could be simpler than a simple counting of votes, the people with more votes getting elected, those

with fewer votes losing out for the time being? The problem became clear to me when we began to discuss launching *EMBO Molecular Medicine* and I discovered that several distinguished medical scientists were not EMBO Members. Not only that, but worse: some of them had been proposed and not elected. They were members of other prestigious academies, but EMBO shunned them. (Perhaps not surprisingly, EMBO is not terribly well known in medical circles). This is but one example of a number of minorities who feel a bit hard-done-by, and you can begin to see the problem of the simple list. People who know each other vote for each other, and the system is inherently unstable, especially as the list of candidates gets longer and longer. This explains why bodies like the UK Royal Society and the US National Academy of Sciences divide their candidates into sections, with sectional committees to decide among the merits of their particular candidates (there are still problems with people who span sections).

Council, with the advice of the EMBO Fellowship Committee, decided to take a step down this route, setting up a number of expert sections to consider the merits of candidates in their own specialties, while still allowing the top 60 percent of candidates through by popular vote. This is an experiment that has been warmly welcomed by the membership at large, and we will see how it works in practice. □

2008 was a productive year for the EMBC. The various elements of its General Programme attracted much interest from scientists, with large numbers of applications for support and funding. The ever-increasing demand for EMBO Fellowships, the core activity of our Programme, resulted in 215 awards. Similarly, the EMBO Courses and Workshops Programme is very much in demand. The EMBO Young Investigator Programme and the EMBO Installation Grants benefited a significant number of applicants who applied for financial support for their activities and thereby for their scientific development. In particular, nine Installation Grants were awarded to young researchers last year, bringing the total number of grantees to 28 since introduction of the grants in 2006. The seven participating countries show a strong intention to use this tool to identify and attract promising scientists and/or to assist in the development of national research infrastructure. A strong link with the Young Investigator Programme through meetings and mentorship enhances the young scientists standing in the European scientific community.

The EMBO Long-Term Fellowship Programme is regularly assessed for its quality and impact. Issues such as social security, health issues and pension rights are being discussed by the EMBC within the context of the European Charter for Researchers. EMBC and EMBO are taking the lead to provide fellows with a portable pension fund with their fellowships. At the same

time, guidance and support of fellows is being strengthened through increased interactions between programmes, through mentorship and joint meetings.

EMBC recognizes and welcomes the actions of EMBO over the years to keep its scientific basis and actions in line with scientific progress. The introduction of *The EMBO Meeting* in 2009 (following the recent integration of ELSO) and the initiatives in the field of molecular medicine strongly strengthen the scientific position of EMBO within Europe and thereby the relevance and impact of the funding from the EMBC Member States.

The financial support for the General Programme for the years 2010 to 2015 was discussed intensively at the EMBC meetings in 2008. The financial requirements of EMBO in order to stay competitive with its fellowships, to offer appropriate social benefits to the fellows and to consolidate the support of the Young Investigators are taken very seriously and are very much in line with European intentions on career development and the belief in science being the basis for our future society. Despite the present economic environment, it is hoped that the annual meeting of the EMBC in June 2009 will show how convinced our member states are of this often-expressed adagium.

At the end of 2008 Dr. *Isabella Beretta* (Switzerland) ended her term as Secretary General. The EMBC elected Professor *Krešimir Pavelić* (Croatia) as her successor. □



Peter Weisbeek
EMBC President



Krešimir Pavelić
EMBC Secretary General

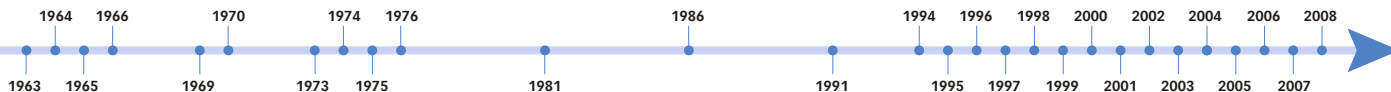
Peter Weisbeek
K. Pavelić

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|--|--|---|
| 1963 Election of first EMBO officers | 1994 <i>Frank Gannon</i> appointed Executive Director of EMBO | 2003 Review of French Genopole System |
| 1964 EMBO incorporated as a non-profit organisation and appoints 200 members | 1995 Review of Austrian Molecular Biology Programme | 2004 EMBO Life Sciences Mobility Portal and E-BioSci go live; Initiative for Science in Europe (ISE) established in conjunction with other organisations |
| 1965 <i>Raymond Appleyard</i> appointed Executive Secretary of EMBO | 1996 EMBO Lectures and EMBO Members Workshop established; EMBO Fellows Network started; Science & Society Programme founded | 2005 EMBO Conference Series – first call for applications; Award of EMBO/HHMI Startup Grants in support of research in Central Europe; EMBO and Nature Publishing Group launch <i>Molecular Systems Biology</i> journal; Reviews of CNB and life sciences strategy of Spanish National Research Council (CSIC) |
| 1966 Funding for nine long-term and 22 short-term fellowships and the first three practical courses secured by the <i>Volkswagen Stiftung</i> | 1997 Review of Finland Biotechnology Programme | 2006 EMBO Installation Grants launched and first awardees selected |
| 1969 Governments of 14 member states establish the European Molecular Biology Conference (EMBC) | 1998 European Biotechnology Node for Interaction with China (EBNIC) established under EMBO co-ordination | 2007 <i>Hermann Bujard</i> appointed Executive Director of EMBO; EMBO Molecular Medicine Fellowships launched |
| 1970 Formal ratification of EMBC | 1999 Sectoral meetings started; Review of Hungarian biology | |
| 1973 <i>John Tooze</i> appointed Executive Secretary of EMBO | 2000 <i>EMBO reports</i> launched; E-BioSci, Young Investigator Programme and World Programme initiated (integrated across several EMBO programmes in 2004); ELSF established in conjunction with other organisations | |
| 1974 EMBL established by EMBC | 2001 EMBO moves to new building | |
| 1975 EMBO Annual Symposium (discontinued 1994) | 2002 EMBO Restart Fellowships initiated (integrated into long-term fellowship scheme in 2004); EMBO Award for Communication in the Life Sciences launched | |
| 1976 Statement from EMBO on recombinant DNA technology | | |
| 1981 <i>The EMBO Journal</i> launched | | |
| 1986 EMBO Gold Medal launched | | |
| 1991 EMBO East European Fellowships established (discontinued in 1994) | | |

History

The origins of EMBO date back to 1963, when a group of leading European scientists in the then emerging field of molecular biology gathered in Ravello, Italy to discuss proposals by *John Kendrew* and *Conrad Waddington* to establish an organization and laboratory for co-operation in molecular biology. Both proposals were endorsed and later, in July 1964, the European Molecular Biology Organization (EMBO) was officially born.

The Ravello meeting laid down two initial goals for EMBO – the creation of a central laboratory and the establishment of networking activities to promote molecular biology in Europe and neighbouring countries and to enhance interactions between scientists in this new field of research across Europe. To pursue these goals, two committees were set up. The efforts of the Laboratory Committee led to the establishment of the European Molecular Biology Laboratory (EMBL). The Federal Organization Committee became the motor for initiating the EMBO programmes for post-doctoral research and for training of scientists – to become known as the EMBO Fellowship Programme and the EMBO Courses & Workshops Programme respectively.

The Ravello meeting also saw the election of *Max Perutz* as the first EMBO Chairman and *John Kendrew* as Secretary General. Thanks to the efforts of another EMBO founding member, *Eduard Kellenberger*, EMBO was awarded official legal status on 12 July 1964. The Volkswagen Foundation provided start-up funding for

the organization and EMBO initiated its first networking activities including fellowships, practical courses and the election of 200 scientists as the first EMBO Members.

The EMBO Council secured long-term funding for EMBO and in 1969 the governments of 14 member states established the European Molecular Biology Conference (EMBC). Formal ratification followed in 1970. EMBC adopted the activities started with the Volkswagen funding and these became known as the EMBC General Programme. Soon after its foundation, EMBC also accepted a proposal by EMBO to establish a European laboratory. As a result, 10 EMBC Member States came together in 1974 to form EMBL as an independent intergovernmental organization.

Today EMBC has grown to 27 member states including most of the European Union (EU) and some neighbouring countries. Thanks to EMBC funding and the success of *The EMBO Journal*, since its 1982 launch, EMBO has been able to expand its scope over the years, particularly in the past decade (see timeline opposite). Every year thousands of scientists benefit from EMBO training, career development and networking activities. The organization also plays an increasing role in European science policy.

With a current membership of around 1,300 of Europe's leading life scientists and over 80 associate members worldwide, EMBO has become a focal point of the European life sciences community and a catalyst for high-quality research.

EMBO

The European Molecular Biology Organization (EMBO) works with leading researchers to promote excellence in the molecular life sciences in Europe. EMBO recognizes and fosters talented scientists, empowering them to advance the life sciences to understand how life works and to share knowledge to help address the challenges of a changing world.

The organization supports training and exchange at all stages of the scientific career, promoting collaboration across Europe and worldwide. EMBO activities are funded predominantly by the European Molecular Biology Conference (EMBC) as part of the EMBC General Programme.

Through EMBC, EMBO supports over 600 research fellowships annually and more than 70 practical courses, workshops and conference series. The EMBO Young Investigator Programme promotes outstanding young group leaders across Europe, while EMBO Installation Grants strengthen scientific development in selected EMBC Member States. EMBC also supports the EMBO Science & Society Programme, promoting dialogue between scientists and other sectors of society. Many EMBO initiatives supported by EMBC promote international mobility. EMBC funds the EMBO Life Science Mobility Consultant.

EMBO also funds initiatives independently. These activities are developed based on careful analysis of the needs of the European life sciences community. Start-up funding comes

primarily from EMBO publications and occasionally from European Union (EU) grants or collaborations with international organizations. EMBO pilots these activities to determine the potential benefit of adding them to the EMBC General Programme. From 2009, an annual conference – *The EMBO Meeting* – aims to advance the life sciences through programmes reflecting the concepts of modern biological research.

Scientific publishing is another mainstay of EMBO. *The EMBO Journal* and *EMBO reports* are well established in the scientific literature with reputations for quality and innovation. *Molecular Systems Biology* is setting the same standards in the emerging field of molecular systems biology. Launching in 2009, *EMBO Molecular Medicine* aims to strengthen links between basic biology and clinical research.

EMBO takes its lead from the scientific community, in particular from EMBO Members. EMBO elects new members annually based on excellence in research. With around 1,300 EMBO Members in Europe and over 80 associate members worldwide, the organization works with a prestigious academy of outstanding researchers from the life sciences community. Forty-eight scientists from the EMBO membership have received the Nobel Prize. The membership provides valuable input to EMBO, in particular by participating in EMBO committees.

The EMBO Council is engaged intensely in EMBO actions and in the development of new activities and policies. Comprising 15 EMBO

Members, elected by the membership, the Council meets annually with EMBO management to discuss and review EMBO activities. A dedicated team of managers, administrators and editors deliver these activities from EMBO headquarters in Heidelberg, Germany. □

EMBC

The European Molecular Biology Conference (EMBC) is the intergovernmental organization that contributes the core funding of EMBO. Through the contributions of its 27 member states, EMBC supports and finances the majority of EMBO activities, providing quality scientific initiatives at a pan-European level. EMBC membership includes most of the European Union (EU) and a number of neighbouring countries (see table).

EMBC funds a wide range of EMBO activities as part of its General Programme (see opposite page). The EMBO Fellowship Programme, Courses & Workshops Programme and Young Investigator Programme are the main recipients of funding, but EMBC also supports other important actions such as the EMBO Science & Society Programme. Selected EMBC Member States also fund the EMBO Installation Grants, awarded to scientists establishing research groups in their countries (see page 27).

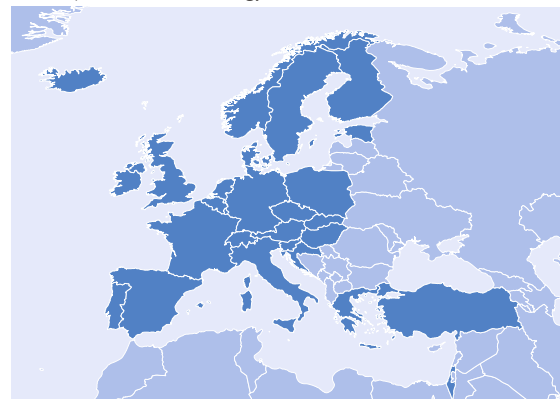
Both EMBC and EMBO are driven by a common commitment to quality research at the pan-European level. The actions of both organi-

zations are characterized by selection on the grounds of quality and a strong co-operation with the scientific community. EMBC has decision-making power over the funding and development of EMBO activities associated with the EMBC General Programme, while EMBO has full responsibility for their delivery. EMBC monitors EMBO activities and the overall programme is decided when the EMBC Delegates meet twice annually in conference. □

EMBC Member States

The following countries are member states of the European Molecular Biology Conference (EMBC):

- | | |
|------------------|-----------------------|
| → Austria | → Italy |
| → Belgium | → Luxembourg |
| → Croatia | → The Netherlands |
| → Czech Republic | → Norway |
| → Denmark | → Poland |
| → Estonia | → Portugal |
| → Finland | → The Slovak Republic |
| → France | → Slovenia |
| → Germany | → Spain |
| → Greece | → Sweden |
| → Hungary | → Switzerland |
| → Iceland | → Turkey |
| → Ireland | → United Kingdom |
| → Israel | |



→ For the scale of contributions by the individual EMBC Member States, see [page 55](#).

EMBL

The creation of a central molecular biology laboratory was one of the founding goals of EMBO. The early efforts of the EMBO Laboratory Committee, the EMBO Council and EMBC led to the subsequent establishment of the European Molecular Biology Laboratory (EMBL). In 1974 EMBL became an independent entity supported by a subset of EMBC Member States. Today 20 of the EMBC Member States are also member countries of EMBL.

EMBL has five core missions: to conduct basic research in molecular biology; to provide essential services to scientists from its member

states; to provide high-level training to staff, students and visitors; to develop new instrumentation for biological research; and to transfer the benefits of new discoveries and technologies to society. These core functions are complemented by outreach activities in the areas of science and society and training for science teachers.

EMBL, EMBO and EMBC are independent organizations but all three act in a mutually supportive manner, both at a strategic and practical level. Full details of EMBL activities can be found in the EMBL Annual Report or on the laboratory's website at www.embl.org □

Aerial view of EMBO and EMBL Heidelberg in Germany. The EMBC administration is also located in the EMBO building.



In 2008 the EMBO Council met twice. From 8–9 April, the spring meeting covered policy matters and strategies for potential new activities. The fall meeting took place on 2–3 October 2008. Major decisions from the latter meeting are listed below along with other important EMBO actions that are not described elsewhere in this report.

Council, committee and membership elections

→ *Tim Hunt* was re-elected as Chair of EMBO Council for 2009. *Anton Berns* was re-elected as Vice-Chair of EMBO Council for 2009. *Christiane Nüsslein-Volhard* was re-elected as Secretary General of EMBO.

→ *Benny Shilo* and *David Shore* were re-elected to Council by the membership for the period 2009–2011. *Andrea Ballabio*, *Patrick Charnay* and *Maria Leptin* were newly elected for the same period.

→ Fifty-one EMBO Members and eight EMBO Associate Members were elected in the 2008 membership election. Details of the newly elected members and associate members are listed on pages 60–71.

→ The EMBO Council approved new membership election procedures and increased to 20 the total number of members to serve on the EMBO Membership Committee (see page 59).

→ A restructured and amended version of The EMBO Rules was adopted by The Council. The title of “Executive Director” was changed to “Director”.

→ Council decided to form a new committee to oversee *The EMBO Meeting* (see pages 38 and 59). The committee will report annually to Council.

Financial matters

→ The EMBO Council unanimously approved the budget for EMBO activities for 2009. This funding comes from income generated by EMBO publications and supplements the EMBC financing of the EMBO Fellowship, Young Investigator, Courses & Workshops and Science & Society Programmes. It is also used to pilot EMBO activities that are not part of the EMBC General Programme. Current examples include *The EMBO Meeting* – an annual European life sciences conference – and the new publication *EMBO Molecular Medicine*, both launching in 2009. This funding also ensures that EMBO has the adequate staff and infrastructure to fulfil its responsibilities to the EMBO Members and the EMBC Member States.

→ The EMBO Council determined that a strategy and policy meeting should be scheduled again in early 2009.

Continued on next page → →

EMBO Officers & Council 2008

Tim Hunt

Chair, EMBO Council

Anton Berns

Vice-Chair, EMBO Council

Christiane Nüsslein-Volhard

Secretary General, EMBO

Maria Blasco

Margaret Buckingham

Roberto di Lauro

Carl Henrik-Heldin

Ari Helenius

Daniel Louvard

Marjori Matzke

Ferenc Nagy

Daniela Rhodes

Benny Shilo

David Shore

Kai Simons

Gunnar von Heijne

See **pages 58–59** for a complete list of the current EMBO Council and Committee members.



Valeria Kaplan

Administrator for the EMBO membership in 2008

Bernhard Huber

Head Administration
& Finance
and



Bärbel Traut-Laur

Finance Administration
are responsible for
EMBO's finances.



EMBO Committee Chairs 2008

Carl-Henrik Heldin

Interim Chair, EMBO Membership
Committee

Anthony Pugsley

Chair, EMBO Fellowship Committee

Pico Caroni

Chair, EMBO Course Committee

Michael Bevan

Chair, EMBO Young Investigator
Committee

Wendy Bickmore

Chair, EMBO Science & Society
Committee

Eric Westhof

Chair, EMBO Publications Committee

See **pages 58–59** for a complete
list of the current EMBO Council and
Committee members.

EMBO programmes, activities & publications

→ The EMBO Council approved the lists of names as suggested for the Advisory Editorial Boards for *The EMBO Journal* and *EMBO reports* and agreed to the suggestion that EMBO Young Investigators be included on the boards.

→ A working group was formed by the EMBO Council to advise on future strategies of the EMBO Science & Society Programme. The Science & Society Working Group members are the EMBO Director and six Council members.

→ The EMBO Council formed a working group to advise on future strategies related to contact with non-European countries. The Non-Europe Working Group members are the EMBO Director and five Council members.

EMBO/EMBL Cooperation

→ The EMBO Council suggested three candidates plus one reserve for each of two scientific areas to represent EMBO on the EMBL Scientific Advisory Committee (SAC). *Barry Dickson* and *Leena Peltonen* were selected.

→ EMBO will organize the 10th EMBO/EMBL Science & Society Conference to be held in Heidelberg on 6–7 November 2009 (see page 28).

→ EMBO and EMBL will hold joint EMBO/EMBL Symposia in the new EMBL Advanced Training Centre (ATC) beginning in 2010.

EMBO/ELSO fusion

→ The process to incorporate the European Life Sciences Organization (ELSO) into EMBO was begun following the 2008 ELSO Annual Meeting.

→ *The EMBO Meeting* will continue the ELSO tradition of an annual European life sciences conference with the inaugural event to be held in Amsterdam from 29 August to 1 September 2009 (see page 38).

→ *Luis Serrano* and *Denis Duboule* were appointed as co-chairs of *The EMBO Meeting 2010* to be held in Barcelona, 4–7 September.

Other EMBO activities Awards

→ *James Briscoe* of the Medical Research Council's National Institute for Medical Research (UK) won the 2008 EMBO Gold Medal in recognition of his discoveries in the regulation of neuronal cell development (see page 40).

→ *Axel Meyer* received the 2008 EMBO Award for Communication in the Life Sciences. A special discretionary prize was awarded to *Jürgen Tautz* (see page 41).

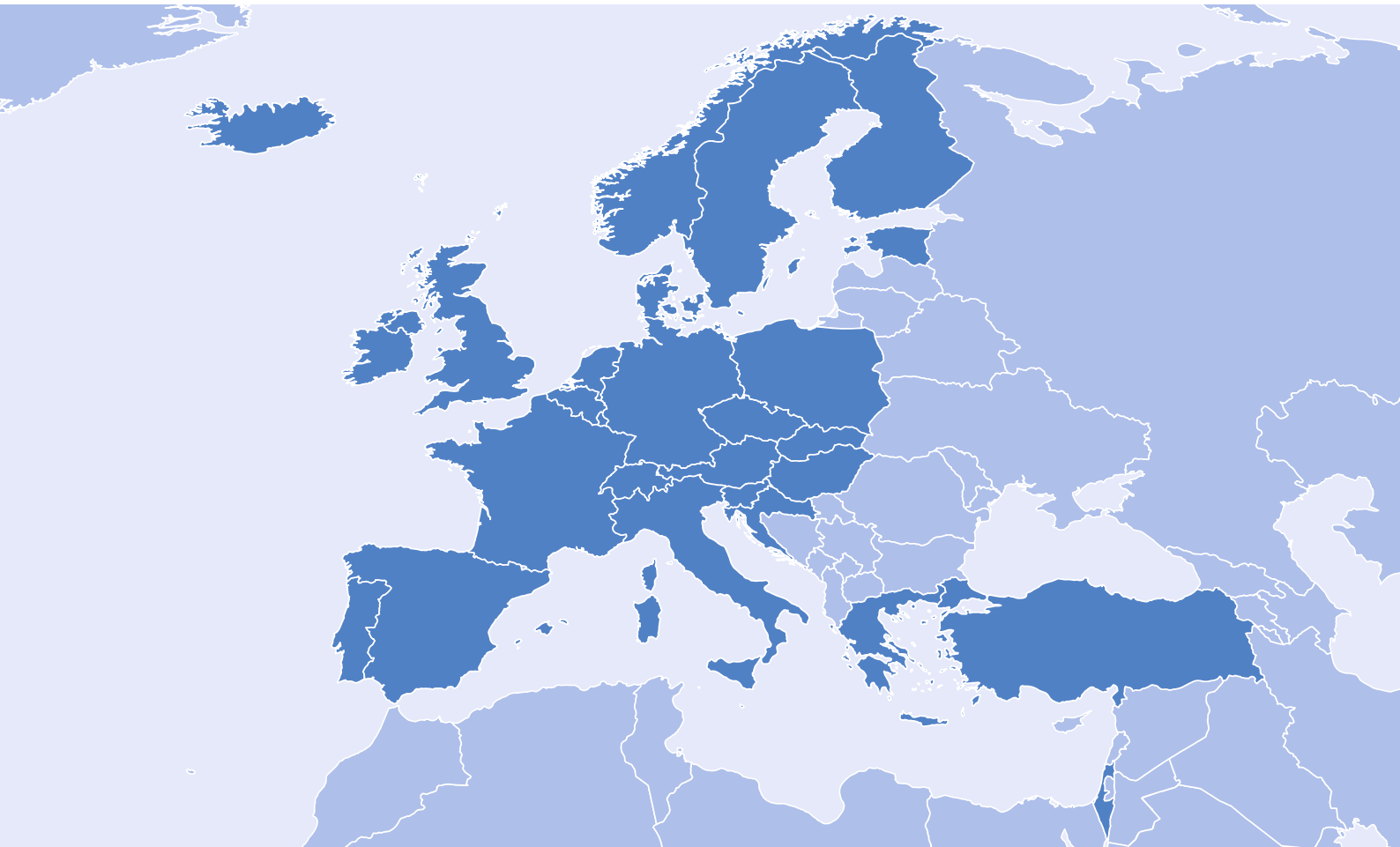
Meetings

→ The annual EMBO Members Workshop was held in Tampere, Finland on 5–8 September 2008. The meeting featured a lecture by *Tim Hunt*, Nobel Laureate and Chair of the EMBO Council. EMBO joined with local organizers to hold a special symposium – *Molecular Biology and Global Health Challenges* – during the workshop.

→ The EMBO Director and EMBO Managers were engaged in a variety of other meetings and collaborations – in particular with the Federation of European Biochemical Societies (FEBS), the European Science Foundation (ESF) and the various programmes of the European Commission (EC).

→ The first *EMBO Young Scientists Forum* was held in Istanbul on 20–22 February. The forum is an initiative developed from suggestions from EMBO Young Investigators and aims to reach out to PhD scientists in peripheral EMBC Member States, highlighting the attractiveness of a life science career and to showcase European science. (see page 27).

→ EMBO continues to drive and participate in the activities and meetings of the European Life Sciences Forum (ELSF) and the Initiative for Science in Europe (ISE) (see page 45). □



In 2008, two formal sessions of EMBC were held in Heidelberg and Hinxton (UK). The Financial Advisory Group and the Audit Committee met once and the EMBC Strategic Working Party met three times; all EMBC working group meetings took place in Heidelberg. The decisions and actions resulting from these meetings are listed below.

EMBC Officers

→ *Peter Weisbeek* (Netherlands) was re-elected President for 2009. *Claudio Sunkel* (Portugal) was re-elected Vice-President and *Toivo Maimets* (Estonia) was elected Vice-President for the first time.

→ *Krešimir Pavelić* (Croatia) was appointed EMBC Secretary General.

→ *Maria José Almeida* (Portugal) was re-elected Chair of the Financial Advisory Group and the Audit Committee for 2009. *Paula Heppner* (Germany) was re-elected Vice-Chair of the Financial Advisory Group and the Audit Committee.

Financial matters

→ EMBC accepted the accounts for 2007 and noted the reports of the external auditors.

→ A revised budget for 2008 and the draft budget for 2009 were approved.

→ See pages 48–54 for a list of all EMBC Delegates and Advisers.

→ EMBC continued its discussions on the next draft indicative scheme covering the period 2010–2015.

→ An application to the EU for co-funding of the EMBO Fellowship Programme was successful.

Reports on EMBO/EMBC activities

→ At each of its formal sessions, EMBC heard a report on the delivery by EMBO of the EMBC General Programme.

→ The EMBC Special Project supporting *Strategic Development Installation Grants* (known as the EMBO Installation Grants scheme) received 58 applications. Seven scientists were selected to receive funding from the seven participating member states as of 2009.

→ The EMBC heard a quality report on the EMBO Science & Society Programme.

→ Discussions on the initiation of an EMBO pension scheme for EMBO Fellows continued.



Gitta Bourke
administrator for
the EMBC and
EMBO Council matters

EMBC officers for 2008

Peter J. Weisbeek (Netherlands)
President

Krešimir Pavelić (Croatia)
Claudio Sunkel (Portugal)
Vice-Presidents

Isabella Beretta (Switzerland)
Secretary General

Maria José Almeida (Portugal)
Chair, Financial Advisory Group/
Audit Committee

Paula Heppner (Germany)
Vice-Chair, Financial Advisory Group/
Audit Committee

Strategic Working Party 2008

Ahmet Ademoğlu (Turkey)
Maria José Almeida (Portugal)
Isabella Beretta (Switzerland)
Eckhart Curtius/Oda Keppler
(Germany)

Mike Davies (United Kingdom)
Julien Galabru (France)
Toivo Maimets (Estonia)
Juan Modolell (Spain)

Krešimir Pavelić (Croatia)
Claudio Sunkel (Portugal)
Glauro Tocchini-Valentini (Italy)
Peter Weisbeek (Netherlands) Chair

fellowship programme	page 24
courses & workshops programme	page 25
young investigator programme	page 26
installation grants	page 27
science & society programme	page 28

Jan Taplick

Programme Manager
EMBO Deputy Director

**Liselott Maidment**

Administrator
Long-term fellowships

**Agnès Visser-de Matteis**

Administrator
Short-term fellowships

**Zsuzsanna O'Donoghue**

Administrator



Renowned for its strict attention to scientific excellence, the EMBO Fellowship Programme has supported thousands of talented young scientists since its launch in the 1960s. EMBO Fellowships support post-doctoral and pre-doctoral research visits of varying duration to laboratories throughout the EMBC Member States and internationally.

■ Approximately 220 long-term fellowships and 200 short-term fellowships awarded annually

■ Annual EMBO Fellows Meeting for fellows in the final year of their long-term fellowship

■ Biennial EMBO North American Fellows Meeting for current and former fellows working in the USA or Canada

■ EMBO Fellows Network forging links between EMBO Fellows past and present

■ Professional training for long-term fellows including EMBO Laboratory Management Courses (see page 154–155) and EMBO Media Workshops (see page 154)

■ Special conditions for EMBO Fellows with children (see page 39)

→ For long-term fellowship trends and statistics, see **pages 76–97**

→ For short-term fellowship trends and statistics, see **pages 98–119**

2008 HIGHLIGHTS→ **EMBO Long-Term Fellowships**

1218 applicants / 215 awards
18% success rate

→ **EMBO Short-Term Fellowships**

395 applicants / 213 awards
54% success rate

→ **EMBO Fellows Meeting**

12–15 June 2008
Heidelberg, Germany
78 participants

→ **3rd EMBO North American Fellows Meeting**

7–9 November 2008
Harvard Medical School, Boston US
100 participants

→ **EMBO Laboratory Management Courses**

for long-term fellows

→ **Co-funding of EMBO Long-Term Fellowship Programme by European Commission**

Application submitted and approved

The EMBO Courses & Workshops Programme has a renowned reputation for funding high-quality meetings and providing scientists at all career stages with networking and training opportunities. A careful selection process ensures that only the best and most diverse molecular biology meetings are funded.

- Over 70 practical courses, lecture courses, workshops and conference series funded annually
 - Maximum funding of €30,000 per meeting
 - Travel grants for eligible practical course participants
 - Joint activities, sponsored with other scientific organizations, such as ESF/EMBO Symposia and EMBO/FEBS Lecture Courses
 - Website, poster and registration assistance for meeting organizers (Online HelpDesk)
- **EMBO Practical Courses**
29 applications / 23 funded*
9 applications / 5 funded**
 - **EMBO Workshops**
22 applications / 13 funded*
3 applications / 1 funded**
 - **EMBO Conference Series**
18 applications / 14 funded*
 - **EMBO Lecture Courses**
2 applications / 2 funded**
 - **ESF/EMBO Symposia**
26 applications / 5 funded*
 - **Total participant numbers**
Approximately 6,000 researchers
 - **Online HelpDesk**
41 websites, 33 posters
- * Within Europe (EMBC)
** Outside Europe

→ For a list of all courses, workshops, conferences series and symposia in 2008, see **pages 130–135**

→ For a list of 2009 courses, workshops, conferences series and symposia, see **pages 148–153**



Anne-Marie Glynn
Programme Manager



Anne Seller
Administrator



Lynne Turnbull
Administrator
Online HelpDesk

Departure
Maria Barbosa
Programme Manager

Gerlind Wallon

Programme Manager
EMBO Deputy Director

**Kim Krynauw**

Administrator



The EMBO Young Investigator Programme supports outstanding young group leaders in the early years of their independent careers. Launched in 2000, the programme currently supports a network of over 200 scientists in 23 EMBC Member States. The Young Investigators benefit from unique networking and training opportunities designed to raise their profile, widen their network and support their research groups.

- Approximately 20 EMBO Young Investigators selected annually

- Networking support through annual meetings, laboratory exchanges and EMBO Member mentorship

- Promotional activities including sponsorship of lectures at international meetings and distribution of a brochure profiling the Young Investigators

- Training opportunities such as laboratory management courses, an annual PhD course for the Young Investigators' students and satellite meetings on different topics

- Annual award of € 15,000 plus possible small grants from EMBO

- One year's free subscription to *EMBO reports* and free online access to *The EMBO Journal*

2008 HIGHLIGHTS→ **EMBO Young Investigator Programme**

116 applicants / 12 awards
10% success rate

→ **8th EMBO Young Investigator Meeting**

18–20 June 2008,
EMBL, Heidelberg, Germany
55 participants

→ **EMBO Young Investigator Lectures**

33 lectures sponsored at international meetings

→ **EMBO Laboratory Management Courses and Advanced Leadership Courses**

For young group leaders and post doctoral fellows

→ **7th EMBO Young Investigator PhD Course**

21–28 September 2008
Heidelberg, Germany
36 participants

→ **2nd EMBO Young Investigator Sectoral Meeting on Neurobiology**

12 April 2008, Paris, France

→ **1st EMBO Young Investigator Sectoral Meeting on DNA Repair**

6–8 November 2008
Prague, Czech Republic

→ For a list of EMBO Young Investigators selected in 2008, see **page 120**

→ For programme statistics and EMBO Young Investigator Lectures in 2008, see **pages 122–129**

→ For a list of programme events in 2009, see **pages 154–155**

Launched in 2006, EMBO Installation Grants aim to strengthen science in selected EMBC Member States. Building on earlier initiatives targeting Central and Eastern Europe, the grants offer scientists an attractive funding and networking package to relocate and establish their laboratories in a participating country. Awardees are closely integrated into the young investigator network, helping them to establish a reputation in the European scientific community.

- Seven scientists selected in 2008
- Participating countries: Croatia, the Czech Republic, Estonia, Hungary, Poland, Portugal and Turkey
- Annual grant of €50,000 for three to five years
- Networking support through the EMBO Young Investigator Programme (see opposite page)
- Annual meetings to network scientists in the participating countries e.g. EMBO Young Scientists Forum

2008 HIGHLIGHTS

→ EMBO Installation Grant awards

32 applicants / 7 awards
22% success rate

→ 1st EMBO Young Scientists Forum

20–22 February 2008,
Istanbul, Turkey
400 participants

Current participating countries

Croatia	Poland
Czech Republic	Portugal
Estonia	Turkey
Hungary	

- For a list of the EMBO Installation Grantees selected in 2008, see **page 121**

Gerlind Wallon

Programme Manager
EMBO Deputy Director

Kim Krynauw

Administrator

Alessandra Bendiscioli
Administrator



The EMBO Science & Society Programme has been promoting and strengthening communication between life scientists and other sectors of society for over eight years. A range of initiatives helps scientists to communicate their research more effectively, stimulate and inform public debate, and contribute to improvements in science education and policy-making.

- Public dialogue on scientific developments of social concern through annual conferences co-organized with EMBL
 - Analysis of current issues in European life sciences policy resulting in publications informing policy-making
 - Annual Award for Communication in the Life Sciences rewarding scientists for outstanding communication with the public
 - Media communication training for young scientists
 - Activities supporting education in the molecular life sciences
 - Sessions at European scientific meetings
 - Funding of science and society speakers at European scientific meetings
- For a list of programme events in 2009, see **page 154**

2008 HIGHLIGHTS

→ **9th EMBL/EMBO Joint Conference on Science & Society**

Systems and Synthetic Biology: Scientific and Social Implications
7–8 November 2008, Heidelberg, Germany
256 participants

→ **EMBO Award for Communication in the Life Sciences**

Axel Meyer (see page 41)

→ **8th EMBO Media Workshop**

13 June 2008, Heidelberg, Germany
50 participants

→ **Taking the initiative in public communication**

Interactive session at
European Science Open Forum (ESOF),
2 September 2008, Barcelona, Spain

→ **Importance of complementary skills and skills training**

Survey of senior and younger scientists in Europe

Departure

Andrew Moore
Programme Manager

EMBO activities

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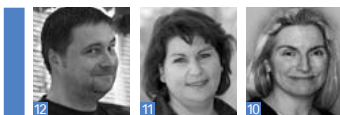


Pernille Rorth¹
Executive Editor

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Katherine Brown³
Karin Dumstrei⁴
Stan Gorski⁵
Thomas Schwarz-Romond⁶
Hartmut Vodermaier⁷
Editors

Jana Christopher⁸
Fiona Panayi⁹
Meryl Schneider¹⁰
Gerlinde Schuster¹¹
Editorial Assistants

Volker Wiersdorff¹²
Database/graphics/
web support



The EMBO Journal has been the flagship EMBO publication for almost 30 years. With a current impact factor of 8.662 and a citation half-life of 8.0 years*, the journal has an international reputation for quality and originality. Published papers are amongst the best in their fields, providing novel insights into a diverse range of biological problems. *Journal Citation Reports, Thomson 2008

- Broad scope spanning all areas of molecular biology (see subject categories on page 36)
- Owned and run by EMBO, published by Nature Publishing Group (NPG)
- Professional EMBO editorial team supported by an Executive Editor, Senior Advisors and an Advisory Editorial Board
- Efficient online submission system
- Initial editorial decisions within one week of submission and within three to four weeks for in-depth peer review
- Rapid online publication and wide exposure of articles through highlights across NPG's subject area pages and gateways
- Free online access after 12 months via nature.com and PubMed Central (immediate access to the developing world through the WHO-brokered HINARI initiative)
- Full archive available online

2008 HIGHLIGHTS

- **Transparent review process announced**
Online publication of the peer review detail and editorial process

2008 HIGHLIGHTS (cont.)

- **Unlimited references**
Allow citation of the primary literature
- **Have you seen...?**
Introduced additional article type with news / comments
- **Focus Issue**
Collection of eight reviews on quality control
- **EMBO Open**
Authors can publish via an Open Access model
- **Rapid time to first decision on manuscripts**
Average of five days following submission
- **High submission rate from outside Europe**
55% of submitting authors
- **14 percent annual increase for e-mail alerts**
Monthly average of almost 97,000 registrants
- **Online RSS feeds**
Average monthly uptake more than 97,000

Senior Advisors

David C. Baulcombe

Ari Helenius

Tim Hunt

Tony Hunter

- For a list of Advisory Editorial Board members, see **pages 72–73**

EMBO reports uniquely caters both to the scientific community and general readers interested in the social impact of life science advances. With a varied perspective on current research in a range of articles including short research papers, reviews and journalistic viewpoints, the journal currently has an impact factor of 7.450.*

*Journal Citation Reports, Thomson 2008

- Diverse scope and range of content covering all areas of molecular biology (see subject categories on page 36)
- Three sections: Science & Society, Reviews, Scientific Reports
- Owned and run by EMBO, published by Nature Publishing Group (NPG)
- Professional EMBO editorial team supported by a Senior Editor and international Advisory Editorial Board of EMBO Members
- Publication of special issues on topics of current scientific and social interest
- Initial editorial decision usually within one week of submission and within three to four weeks for in-depth peer review
- Rapid online publication and wide exposure of articles through highlights across NPG's subject area pages and gateways
- Full archive available online
- Free online access after 12 months via nature.com and PubMed Central (immediate access to the developing world through the WHO-brokered HINARI initiative)

2008 HIGHLIGHTS

- **Science & Society special issue**
The future of our species
July 2008
- **Review series and web focus**
*Protein Modifications:
Beyond the Usual Suspects*
September 2008 to mid-2009
- **Top downloads reflect journal identity**
Content from all three sections in monthly top ten downloads
- **EMBO Open**
Authors may publish using an Open Access model
- **Rapid time to first decision on manuscripts**
Average of seven days following submission
- **High submission rate from outside Europe**
Almost 50% of submitting authors
- For a list of Advisory Editorial Board members, see **pages 72–73**



Frank Gannon¹
Senior Editor



Les Grivell²
Associate Editor



Holger Breithaupt³
Editor, Science & Society



Sandra Caldeira⁴
Barbara Pauly⁵
Esther Schnapp⁶
Editors, Scientific Reports



Nonia Pariente⁷
Editor, Reviews



Samuel Caddick⁸
Assistant Editor



Uta Mackensen⁹
Graphics Editor



Susanne Hofner-Harris¹⁰
Editorial Assistant



Thomas Lemberger
Editor



Les Grivell
Associate Editor



Jana Christopher
Editorial Assistant



Senior Editors
Ruedi Aebersold
Peer Bork
George Church
Leroy Hood
Edison Liu

→ For a list of
Advisory Editorial
Board members
see **page 74**

Molecular Systems Biology is an open-access publication dedicated to the growing field of systems biology at the molecular level. Published exclusively online since 2005, the journal provides a unique forum for the publication of papers describing the molecular properties and behaviour of complex biological systems. The journal aims to set standards in the field, structuring research output and using pioneering systems biology technologies.

- Wide scope covering all aspects of molecular systems biology (see subject categories on page 36)
 - Immediate free access to all content online, supported by an author publication charge
 - Professional EMBO editorial team, panel of Senior Editors and Advisory Editorial Board of leading systems biology researchers
 - Published by Nature Publishing Group (NPG) and jointly owned by EMBO and NPG
 - Variety of article formats including primary research papers, reviews, perspectives, news & views, and editorials
 - Rapid publication and wide exposure of articles across NPG's subject area pages and gateways
 - Enhanced support for structured data formats such as Systems Biology Markup Language (SBML)
- 2008 HIGHLIGHTS**
- **Achieved Impact Factor 9.954***
 - **Submissions increased two-fold**
 - **Open-access license extended**
Authors can permit derivative works
 - **Perspectives article type**
Communicates novel concepts and innovative research directions
 - **Reprint collection published**
Topics covered: signalling, systems medicine and synthetic biology
 - **Redesigned homepage**
Displays thumbnails to research papers, *Top 10 downloads*, and links to *Latest blog posts*
 - **The Seven Stones blog**
Instant online publishing and commenting platform on systems and synthetic biology
 - **Meeting of Advisory Editorial Board**
 - **Journal partner for 9th International Conference on Systems Biology**
 - **Journal partner for RECOMB Satellite Conference on Systems Biology 2008**

*Journal Citation Reports, Thomson 2008

EMBO Molecular Medicine is a new journal from EMBO dedicated to the rapidly growing area of research at the interface between clinical research and basic biology.

- Publishes original research in molecular medicine of high interest to both medical and basic scientists (see subject categories on page 36)
 - Priority articles offer novel and relevant molecular insight into the etiology of human diseases and new perspectives for clinical application at the levels of diagnosis, prevention and therapy
 - Scientific quality guaranteed by dedicated in-house editorial team, renowned group of senior editors and an international advisory board
 - Rapid and fair peer review
 - Research articles and reviews for all fields of clinical medicine and related basic biology research areas will appear in both print and online
 - Studies based on model organisms are within the journal scope, provided results are evidently relevant to human disease
- Free institutional subscriptions for the first two years of publication. After this period authors of accepted articles may pay for immediate free access on publication
 - Published for EMBO by Wiley-Blackwell

2008 HIGHLIGHTS

→ **Wiley-Blackwell appointed as publisher**

Preparations for launch and marketing campaign initiated

→ **Senior Editors and Advisory Editorial Board Members appointed**

→ **Calls for submissions**

At major international meetings and workshops



Sandra Caldeira
Editor



Les Grivell
Associate Editor



Gerlinde Schuster
Editorial Assistant

Senior Editors

Dario R. Alessi

Giulio Cossu

Uta Francke

Fred H. Gage

Matthias Hentze

Edison Liu

Philippe Sansonetti

Bart de Strooper

→ For a list of
Advisory Editorial
Board members,
see **page 75**

THE
EMBO
JOURNAL

EMBO
reports

molecular
systems
biology

EMBO
Molecular Medicine

Subject categories

The EMBO Journal, EMBO reports and Molecular Systems Biology

- Development
- Immunology
- Neuroscience
- Plant Biology
- Structural Biology
- Genomic & Computational Biology
- Genome Stability & Dynamics
- Chromatin & Transcription
- RNA
- Proteins
- Cellular Metabolism
- Signal Transduction
- Cell Cycle
- Differentiation & Death
- Membranes & Transport
- Cell & Tissue Architecture
- Microbiology & Pathogens
- Molecular Biology of Disease

Categories unique to Molecular Systems Biology

- Bioinformatics
- Proteomics
- Functional Genomics
- Structural Genomics
- Metabolic and Regulatory Networks
- Synthetic Biology
- Computational Methods
- Simulation and Data Analysis

Categories of EMBO Molecular Medicine include (without limitation)

- Ageing
- Cancer biology
- Channelopathies
- Differentiation and development
- Endocrinology/Metabolic disease
- Genetics/epigenetics
- Genomics, transcriptomics, proteomics, metabolomics of disease
- Gene therapy,
- Immunology and inflammation
- Infectious diseases
- Neurodegeneration, neurological diseases and myopathies
- Sensory defects
- Stem cells
- Systems medicine
- Vascular and cardiovascular biology

Since 1994, EMBO has offered its services as a review body to the EMBC Member States, carrying out several assessments of national research programmes. Each review is executed by an expert panel of EMBO Members, who analyse the strengths and weaknesses of the respective life science programme. A comprehensive report and detailed recommendations are delivered to the relevant research councils or ministries.

EMBO and representatives of respective committees received during 2008 for various national assessments. Currently discussing requests for assessments.

EMBO Reviews (1995–2005)

1995 **Austrian Biochemistry & Biotechnology Programmes**

1997 **Finland Biotechnology Programme**

1999 **Hungarian Academy of Sciences** (life science centres)

2003 **French Genopole System**

2005 **Spanish National Biotechnology Centre (CNB)**

2005 **Spanish National Research Council (CSIC)**

Martin Cairns
Conference Officer



The EMBO Meeting is an annual conference that advances the life sciences through programmes reflecting the concepts and high-resolution approaches of modern biological research. Open to the broad life science community, researchers from Europe and the world over come together each year to tell and to learn of new developments, to forge new collaborations and, ultimately, to leave motivated by new ideas. *The EMBO Meeting* takes up the tradition of annual EMBO Symposia in the 1970s and follows on from former ELSO meetings to provide an annual European life sciences forum for scientific exchange.

- Latest research and innovations across all disciplines on show in diverse programme; high-quality programme ensured by EMBO Member selection of topics and speakers
- Participant horizons expanded by special lectures from eminent speakers from both within and outside the life sciences
- Scientists at all levels learn career skills through workshops and mentoring sessions; key event for early career scientists to learn from respected leaders
- Dialogue between scientists and policy makers about topical science & society issues
- Focused research discussions at specialist sub-group meetings
- EMBO programmes and publications on display to the life science community
- EMBO Gold Medal award ceremony and welcome of newly elected members; networking receptions for EMBO community
- Sponsored symposia plus large exhibition area for industry and societies
- Abstracts selected for poster & oral presentations

2008 HIGHLIGHTS

→ 7th Annual ELSO Meeting

Nice, 30 August – 2 September

EMBO joined with ELSO to promote and organize the final ELSO meeting that attracted more than 700 participants

→ *The EMBO Meeting 2009* – Inaugural event

Amsterdam 29 August – 1 September

Organizers: Hans Clevers (NL), Stephen West (UK)

Scientific programme with more than 30 lectures and 21 workshops with more than 120 speakers from 16 countries

Website designed & launched with online systems for registration & abstract submission

→ *The EMBO Meeting 2010*,

Barcelona 4–7 September

Organizers: Luis Serrano (ES), Denis Duboule (CH)

→ For a list of *The EMBO Meeting* Committee see **page 59**

EMBO assesses and acts upon imbalances in the scientific career path, with a focus on female scientists and researchers with young children. Monitoring of EMBO programmes ensures that the needs of all scientists are addressed, regardless of personal circumstances. EMBO aims to ensure family-friendly working conditions for all scientists.



Gerlind Wallon
Manager

- Analysis of gender balance in EMBO activities and the life sciences generally
 - Strategic measures to address imbalances and promote family-friendly conditions in research
 - Annual studies and statistics on the participation of female scientists in EMBO programmes
 - Collaboration with other scientific organizations such as the FEBS Women in Science working group and the SET-Routes initiative with EMBL and CERN
 - Targeted events such as the SET-Routes Women in Science Conference
 - Special conditions for EMBO Fellows with children including paid parental leave, part-time working hours, possibility of child-care support and a waiver of the requirement to move country for restart candidates
- Extended eligibility period for female scientists with children applying to the Young Investigator Programme (see page 26)

2008 HIGHLIGHTS

→ FEBS/EMBO Women in Science Award 2008

Naama Barkai
Rehovot, Israel

→ Joint FEBS/EMBO Women in Science events during 33rd FEBS Congress, Athens, Greece, 2 July 2008

Award ceremony for FEBS/EMBO Women in Science Award 2008

Session: Women in Science – The Way Forward:
Gender Equality in Science

→ For statistics on the participation of women in EMBO activities, see [pages 138–142](#)



The EMBO Gold Medal is awarded annually to a young life scientist for exceptional research carried out in Europe. Widely regarded as the most prestigious award of its kind, the prize highlights the standards being reached in molecular biology research in Europe and brings some of the very best young scientists to the attention of a global audience.

The 2008 winner was **James Briscoe**, group leader in the Division of Developmental Neurobiology at the Medical Research Council's National Institute of Medical Research. Briscoe was honoured for his discovery that cells integrate time of exposure and concentration of a

morphogen to subsequently mount a graded response.

James Briscoe received his award and presented a lecture on his research on 26 September 2008 at the EMBO Members Workshop in Tampere, Finland.

Winners of the EMBO Gold Medal 1986–2008

1986 **John Tooze** (Heidelberg, DE)

1987 **Barbara Pearse** (Cambridge, UK)

1988 **Antonio Lanzavecchia** (Basel, CH)

1989 **Hugh Pelham** (Cambridge, UK)

1990 **Erwin Wagner** (Vienna, AT)

1991 **Patrick Stragier** (Paris, FR)

1992 **Carl-Hendrik Heldin** (Uppsala, SE)

1993 **Jim Smith** (London, UK)

1994 **Paolo Sassone-Corsi** (Strasbourg, FR)

1995 **Richard Treisman** (London, UK)

1996 **Enrico Coen** (Norwich, UK)

1997 **Dirk Görlich** (Heidelberg, DE)

1998 **Adriano Aguzzi** (Zurich, CH)

1999 **Konrad Basler** (Zurich, CH)

2000 **Christof Niehrs** (Heidelberg, DE) &

Daniel St. Johnston (Cambridge, UK)

2001 **Matthew Freeman** (Cambridge, UK)

2002 **Amanda Fisher** (London, UK)

2003 **Anthony Hyman** (Dresden, DE)

2004 **María Blasco** (Madrid, ES)

2005 **Dario Alessi** (Dundee, UK)

2006 **Frank Uhlmann** (London, UK)

2007 **Jan Löwe** (Cambridge, UK)

2008 **James Briscoe** (London, UK)

The EMBO Award for Communication in the Life Sciences is presented annually to life scientists in Europe for outstanding contributions to the public communication of science. The prize rewards these scientists for their exceptional efforts to combine science communication with a full-time research career. The 2008 winner of the award was evolutionary biologist *Axel Meyer*, from the University of Konstanz, Germany. *Jürgen Tautz* from the University of Wuerzburg, Germany received a special discretionary prize.

Axel Meyer is recognized for his continuous endeavour to convey complex scientific topics to the general public in an accessible and thought-provoking manner. He is well known in the German media landscape, having published in leading national newspapers such as *Die Zeit*, *Frankfurter Allgemeine Zeitung*, *Die Welt* and many others. He also writes concise and opinion-strong articles in his weekly column for the largest German business newspaper *Handelsblatt*. Meyer pursues an active research programme as Head of Zoology and Evolutionary Biology Department at the University of Konstanz.

The discretionary prize recognizes **Jürgen Tautz's** long-term public communication activity on a single organism using all available media. Tautz is a world-leading zoologist with a particular interest in exploring the life and evolution of honeybees. He considers them an optimal model system to investigate the inner structure and

functioning of highly complex systems exhibiting "intelligent" behaviour. Tautz also pursues an active research programme in his capacity as professor and head of the BEEgroup at the Biocenter of the University of Wuerzburg.

Axel Meyer and Jürgen Tautz received their awards and presented their communication work on 1 September 2008 at the 7th Annual ELSO Meeting in Nice, France.



Winners of the EMBO Award for Communication in the Life Sciences

2002	Ronald Plasterk (Utrecht, NL)
2003	Peter Csermely (Budapest, HU)
2004	Fran Balkwill (London, UK)
2005	Edoardo Boncinelli (Milan, IT)
2006	Armand Marie Leroi (London, UK)
2007	Ali Saib (Paris, FR) & Christian Sardet (Villefranche-sur-Mer, FR)
2008	Axel Meyer (Konstanz, DE)

Anne-Marie Glynn
Manager

Anne Seller
Administrator

Lynne Turnbull
Administrator
Online HelpDesk

Departure
Maria Barbosa
Manager

Every year, EMBO sponsors plenary lectures by EMBO Members at major international scientific meetings. Plenary lectures raise awareness of EMBO activities, support EMBO Members in their collaborations with scientists from associated fields and promote European science worldwide. In 2008, EMBO sponsored 22 plenary lectures, 16 of these within EMBC Member States.

EMBO Plenary Lectures 2008: Geographical distribution

Europe (16 lectures)

Belgium (1)	Italy (2)
Denmark (2)	Portugal (1)
France (2)	Spain (2)
Germany (3)	Switzerland (1)
Greece (1)	United Kingdom (1)

Outside Europe (6 lectures)

Argentina (2)
Australia (1)
New Zealand (1)
United States of America (2)

→ For a list of all 2008 plenary lectures, see [pages 136–137](#)

EMBO Information Support and Resources ensures the reliability, quality and security of EMBO data and computing resources. The team develops software tools to improve the efficiency of in-house workflows and facilitate information exchange between EMBO and its communities.

- Support for desktop computing: standardization of hardware and software configurations; staff training
- Administration of internal file and database servers
- Administration of EMBO web servers
- Continued development of online application systems and information resources
- Provision of tools and data resources for the retrieval and statistical analysis of data collected through EMBO activities

2008 HIGHLIGHTS

- **Virtual machine webservers and distributed storage filesystems**
Reliability, redundancy, snapshot backups
- **Data acquisition and analysis tools for EMBO membership elections**
Production of ballot documents and analysis of election results
- **XML production process for the 2008 EMBO Membership List**
1,303 Members presented alphabetically, by scientific area, by country
- **Data analysis tools for *The EMBO Journal* and *EMBO reports***
Citation performance, efficiency of editorial processes
- **Collaborative email suite for EMBO Publications staff**
Shared information, annotation, advanced filtering



Volker Wiersdorff
Head



Kevin Fleming
Web & Database Developer

Departure
Ole Hansen
Technical Officer

Suzanne Beveridge
Head



Martin Cairns
Conference Officer



Patricia Codyre
Web Communications
Officer



Laura Cortesi
Web Communications
Administrator



Yvonne Kaul
Communications Officer



Uta Mackensen
Graphic Designer



**Sabine
Rehberger-Schneider**
Life Sciences Mobility
Consultant/
Web Communications
Officer



EMBO Public Relations & Communications promotes the organization and its role in the European research community and provides information to scientists, decision-makers, the media and the general public. A number of targeted activities support an active communication channel between EMBO and its networks of members, young investigators and fellows.

- Regular contact with the EMBO community, keeping scientists informed of developments at EMBO
- Interaction with the scientific community at major European scientific meetings & career events
- Communication with the media, providing a trusted source of information on EMBO activities and the life sciences
- Up-to-date information on EMBO activities, the EMBO community and the life sciences through the EMBO website
- Searchable online database of information on European funding, training and career opportunities through the EMBO Life Sciences Mobility Portal
- Support of web-based interaction and communication systems for EMBO programmes and the EMBO Fellows Network through EMBO fellowsNet (see page 24)
- EMBO*encounters* newsletter, featuring the latest news from EMBO and its scientific networks
- Logistics, promotion and public relations for *The EMBO Meeting* (see page 38)
- Information and publicity material on EMBO activities e.g. brochures, flyers, posters
- Print and online advertising in major scientific publications e.g. *Nature*, *Science*

2008 HIGHLIGHTS

- **Redesign and launch of EMBC website**
Improved site navigation & information access
- **Redesign of EMBO website**
Homepage access to user-specific information
- **Traffic to websites continued to increase**
25% annual increase in visits to EMBO website;
six-fold annual increase in visits to Life Sciences
Mobility Portal
- **Media coverage in national & international news & life science publications**
El Pais, *Frankfurter Allgemeine Zeitung*, *Nature*
& other key publications
- **Exhibition presence**
33rd FEBS Congress & 11th IUBMB Conference
XX International Congress of Genetics
7th Annual ELSO Meeting
The Source Event

The European Life Sciences Forum (ELSF) is a platform of organizations representing the life sciences in Europe. Founded by EMBO, the Federation of European Biochemical Societies (FEBS), EMBL and the European Life Scientist Organization (ELSO), ELSF aims to increase the impact of the research community in public and policy-making arenas. ELSF is also a founding member of the Initiative for Science in Europe (ISE) and co-ordinator of its activities.

- Analyses current issues in European science policy, co-ordinating campaigns on key topics such as research infrastructures and career development
- Monitors the activities of the European Research Council (ERC), structuring input from the scientific community
- Co-ordinates the input of the wider scientific community on crucial issues of European science policy via ISE
- Develops and maintains strong relationships with the European Commission and Parliament



Luc Van Dyck
Executive Co-ordinator

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Contributions from EMBC Member States

Member State	2004–2006 %	2007–2009 %
Austria	2.0900	2.0697
Belgium	2.5944	2.5121
Croatia	0.2032	0.2604
Czech Republic	0.6139	0.6742
Denmark	1.5800	1.5666
Estonia*		0.0479
Finland	1.2362	1.2364
France	14.8830	14.9765
Germany	20.7922	19.7377
Greece	1.3928	1.5218
Hungary	0.5573	0.6953
Iceland	0.0903	0.0836
Ireland	0.9230	1.0787
Israel	1.0958	1.0005
Italy	12.1778	12.0193
Netherlands	4.0805	4.3041
Norway	1.6928	1.8111
Poland	2.1200	1.8467
Portugal	1.1368	1.1105
Slovenia	0.2332	0.2176
Spain	6.4358	7.1822
Sweden	2.4625	2.4942
Switzerland	3.1173	2.8899
Turkey	2.3194	2.3655
United Kingdom	16.1718	16.2975
Total	100	100

* Estonia joined the EMBC in 2006
(Luxembourg and the Slovak Republic
joined the EMBC in 2007)

EMBO Council members are elected for a three-year term of office and may be re-elected for one additional term of office.

EMBO council members 2008

elected term(s) of office	name	country
2005–2007, 2008–2010	Anton J. Berns (<i>Vice-Chair</i>)	NL–Amsterdam
2008–2010	Maria A. Blasco	ES–Madrid
2003–2005, 2006–2008	Margaret Buckingham	FR–Paris
2005–2007, 2008–2010	Roberto di Lauro*	IT–Naples <i>*resigned in May 2008</i>
2008–2010	Carl-Henrik Heldin	SE–Uppsala
2007–2009	Ari Helenius	CH–Zurich
2004–2006, 2007–2009	Tim Hunt (<i>Chair</i>)	UK–London
2005–2007, 2008–2010	Daniel Louvard	FR–Paris
2006–2008	Marjori Matzke	AT–Vienna
2008–2010	Ferenc Nagy	HU–Szeged
2007–2009	Daniela Rhodes	UK–Cambridge
2006–2008	Benny Shilo	IL–Rehovot
2006–2008	David M. Shore	CH–Geneva
2004–2006, 2007–2009	Kai Simons	DE–Dresden
2004–2006, 2007–2009	Gunnar von Heijne	SE–Stockholm

ex officio

Christiane Nüsslein-Volhard	EMBO Secretary General
Hermann Bujard	EMBO Director

observers

Isabella Beretta	EMBC Secretary General
Peter J. Weisbeek	EMBC President
Iain Mattaj	EMBL Director General
Paul Nurse	Chair, EMBL SAC
Pico Caroni	Chair, EMBO Course Committee
Anthony Pugsley	Chair, EMBO Fellowship Committee
Carl-Henrik Heldin	Interim Chair, EMBO Membership Committee
Eric Westhof	Chair, EMBO Publications Committee
Wendy Bickmore	Chair, EMBO Science & Society Committee
Michael W. Bevan	Chair, EMBO Young Investigator Committee

EMBO committee members & auditors 2008

course committee

2006 Yehudit Bergman
2003 Pico Caroni (*Chair*)
2007 Isabel Guerrero
2005 Dirk Inzé
2004 Howy Jacobs
2005 Anne Ridley
2005 Philippe Sansonetti
2005 Detlef Weigel
2008 Karen Avraham
2008 William Earnshaw
2008 Christoph Müller

fellowship committee

2005 Robin Allshire
2008 József Burgyán
2008 Manuel Espinosa
2006 Marco Foiani
2008 Caroline Hill
2007 Roland Kanaar
2008 Dimitris Kioussis
2005 Jürgen Knoblich
2008 Sergio Moreno
2008 Staffan Normark
2004 Montserrat Pages
2004 Anthony Pugsley (*Chair*)
2008 Claude-Agnès Reynaud
2006 Yosef Shiloh
2006 Irma Thesleff

fellowship committee (cont.)

2008 Anna Tramontano
2008 Alfonso Valencia
2008 Dale Wigley
2008 David Wilkinson

membership committee

2005 Ueli Aebi
2008 József Burgyán
2006 Brigitte Gicquel
2005 Carl-Henrik Heldin
(*Interim Chair*)
2006 George Kollias
2005 Antonio Malgaroli
2007 Juan Valcárcel
2005 Veronica van Heyningen
2008 Harald Stenmark

publications committee

2007 Ruedi Aebersold
2005 Gianni Cesareni
2005 Angela Nieto
2005 Erich Nigg
2006 Stephen Oliver
2005 Václav Pačes
2005 Leena Peltonen
2007 Helen Saibil
2003 Eric Westhof (*Chair*)
2008 Hans Clevers

science & society committee

2005 Andrea Barta
2005 Wendy Bickmore (*Chair*)
2007 Helena Edlund
2008 Amanda Fisher
2007 Eric Karsenti
2008 Valerio Orlando
2006 Đurđica Ugarković

young investigator committee

2005 Michael Bevan (*Chair*)
2005 Thomas Boehm
2007 Manuel Espinosa
2007 Edith Heard
2005 Elisa Izaurralde
2007 Mehmet Öztürk
2007 Titia Sixma
2008 Joel Sussman
2008 Noel Lowndes
2008 Angel Nebreda

auditors (EMBO Members)

Diter von Wettstein
David J. McConnell

internal auditor (EMBL)

Brian Hamel*
Berthold Koch**

external auditor

(Office of the Auditor General of
Norway, Oslo, Norway)
Per Anders Engeseth

* left EMBL in 2008
** joined EMBL in 2008

EMBO Council members are elected for a three-year term of office and may be re-elected for one additional term of office.

EMBO council members 2009

elected term(s) of office	name	country
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2008–2010	María A. Blasco	ES–Madrid
2009–2011	Patrick Charnay	FR–Paris
2008–2010	Carl-Henrik Heldin	SE–Uppsala
2007–2009	Ari H. Helenius	CH–Zurich
2004–2006, 2007–2009	Tim Hunt (<i>Chair</i>)	UK–London
2009–2011	Maria Leptin	DE–Cologne
2005–2007, 2008–2010	Daniel Louvard	FR–Paris
2008–2010	Ferenc Nagy	HU–Szeged
2007–2009	Daniela Rhodes	UK–Cambridge
2006–2008, 2009–2011	Benny Shilo	IL–Rehovot
2006–2008, 2009–2011	David M. Shore	CH–Geneva
2004–2006, 2007–2009	Kai Simons	DE–Dresden
2004–2006, 2007–2009	Gunnar von Heijne	SE–Stockholm

ex officio

Christiane Nüsslein-Volhard	EMBO Secretary General
Hermann Bujard	EMBO Director

observers

Krešimir Pavelić	EMBC Secretary General
Peter J. Weisbeek	EMBC President
Iain Mattaj	EMBL Director General
Paul Nurse	Chair, EMBL SAC
Pico Caroni	Chair, EMBO Course Committee
Anthony Pugsley	Chair, EMBO Fellowship Committee
Ueli Aebi	Chair, EMBO Membership Committee
Helen Saibil	Chair, EMBO Publications Committee
Wendy Bickmore	Chair, EMBO Science & Society Committee
Michael W. Bevan	Chair, EMBO Young Investigator Committee

EMBO committee members & auditors 2009 (year elected)

course committee

2008 Karen Avraham
2006 Yehudit Bergman
2003 Pico Caroni (*Chair*)
2008 William Earnshaw
2007 Isabel Guerrero
2008 Gerd Jürgens
2008 Christoph Müller
2005 Anne Ridley
2005 Philippe Sansonetti
2009 Frank Uhlmann

fellowship committee

2008 József Burgyán
2008 Manuel Espinosa
2006 Marco Foiani
2008 Caroline Hill
2007 Roland Kanaar
2008 Dimitris Kioussis
2009 Rüdiger Klein
2005 Jürgen Knoblich
2008 Sergio Moreno
2004 Anthony Pugsley (*Chair*)
2008 Claude-Agnès Reynaud
2009 Ben Scheres
2006 Yosef Shiloh
2006 Irma Thesleff
2008 Anna Tramontano
2008 Alfonso Valencia
2008 Dale Wigley
2008 David Wilkinson

membership committee

2005 Ueli Aebi (*Chair*)
2009 Geneviève Almouzni
2009 Peer Bork
2008 József Burgyán
2009 Gerhard Christofori
2009 Elena Conti
2009 Anne Ephrussi
2006 Brigitte Gicquel
2009 Michel Goedert
2009 Cayetano Gonzalez
2009 Jules Hoffmann
2009 Reinhard Jahn
2006 George Kollias
2009 Jane Langdale
2009 David Sherrat
2009 Austin Smith
2008 Harald Stenmark
2007 Juan Valcárcel
2009 Michael Way
2009 Rolf Zinkernagel

publications committee

2007 Ruedi Aebersold
2009 Dario Alessi
2005 Gianni Cesareni
2008 Hans Clevers
2009 Ivan Đikić
2009 Nancy Hynes
2005 Angela Nieto
2006 Stephen Oliver
2007 Helen Saibil (*Chair*)

science & society committee

2005 Wendy Bickmore (*Chair*)
2007 Eric Karsenti
2008 Valerio Orlando
2006 Đurđica Ugarković

young investigator committee

2005 Michael Bevan (*Chair*)
2009 Andrea Brand
2009 Michael Brunner
2009 Maria De Sousa
2007 Manuel Espinosa
2007 Edith Heard
2008 Noel Lowndes
2008 Angel Nebreda
2007 Mehmet Öztürk
2008 Joel Sussman

The EMBO Meeting committee

2008 Adriano Aguzzi
2008 Hermann Bujard (*ex officio*)
2008 Pico Caroni (*ex officio*)
2008 Ueli Grossniklaus
2008 Tim Hunt (*ex officio*)
2008 Howy Jacobs
2008 Svante Pääbo
2008 Martin Raff
2008 Anne Ridley

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Sean Munro
Diter von Wettstein

internal auditor (EMBL)

Berthold Koch

external auditor

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Per Anders Engeseth






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Leif Andersson		Dept. of Medical Biochemistry & Microbiology Uppsala University Biomedical Centre Uppsala, Sweden	<ul style="list-style-type: none"> → comparative genomics → genetics → molecular & phenotypic evolution → domestic animals
Peter Angel		Dept. of Signal Transduction and Growth Control German Cancer Research Center (DKFZ) Heidelberg, Germany	<ul style="list-style-type: none"> → signal transduction → transcription factor → gene expression → mice → cancer
Bruno Antony		Institute of Molecular and Cellular Pharmacology Valbonne, France	<ul style="list-style-type: none"> → membrane traffic → small G proteins → protein coats → membrane curvature → self organization
Cecilia Maria Arraiano		Laboratory of Gene Expression Control Institute of Chemical and Technological Biology New University of Lisbon Oeiras, Portugal	<ul style="list-style-type: none"> → RNA processing & degradation → ribonucleases → RNA-protein interactions → small non-coding RNAs → molecular microbiology

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Philippe Bastiaens		Dept. of Systemic Cell Biology Max Planck Institute of Molecular Physiology Dortmund, Germany	systems biology → cell biology → signal transduction → self-organization → microscopic imaging
Thomas Boller		Institute of Botany University of Basel Basel, Switzerland	→ innate immunity → ethylene → symbiosis → plant-microbe interactions → receptors
Thomas Bourgeron		Unit of Human Genetics and Cognitive Functions Institut Pasteur Paris, France	→ genetics → clock → synapse → autism → psychiatry
Sarah Bray		Dept. of Physiology, Development and Neuroscience University of Cambridge Cambridge, United Kingdom	→ gene regulation → genomics → cell signalling → <i>Drosophila</i> → Notch






James Briscoe		Division of Developmental Neurobiology National Institute for Medical Research (NIMR) London, United Kingdom	→ neural development → spinal cord → Hedgehog signalling → vertebrate embryos
Javier Cáceres		Medical Research Council Human Genetics Unit Western General Hospital Edinburgh, United Kingdom	→ RNA processing → Alternative splicing → SR proteins → microRNA processing → nonsense-mediated decay (NMD)
Giacomo Cavalli		Institute of Human Genetics UPR 1142 CNRS Montpellier, France	→ Polycomb → trithorax → chromatin → nuclear organization → epigenetics
Elena Conti		Max Planck Institute of Biochemistry Dept. of Structural Cell Biology Martinsried, Germany	→ nuclear transport → RNA metabolism → mitosis → X-ray crystallography → biochemistry
Wouter de Laat		The Hubrecht Institute Utrecht, Netherlands	→ gene expression → epigenetics → nuclear organization & dynamics → 4C technology → genomic rearrangements




members elected in 2008

Paul Freemont		Division of Molecular Biosciences Imperial College London London, United Kingdom	→ structural biology → ubiquitination → macromolecular assemblies → protein turnover → synthetic biology
Stephen Fuller		Division of Structural Biology Wellcome Trust Centre for Human Genetics Oxford, United Kingdom	→ biological macromolecular structures and assembly → (cryo-) electron microscopy → membrane viruses → receptors → immunological & virus-induced synapse
Thierry Gaude		Plant Development Laboratory Institution of Higher Education Lyon Lyon, France	→ plant development → protein trafficking → cell signalling → self-incompatibility → <i>Arabidopsis</i>
Michel Georges		Unit of Animal Genomics GIGA-R & Faculty of Veterinary Medicine University of Liège (B34) Liège, Belgium	→ positional cloning → QTL → epigenetics → microRNAs
Colin Goding		Ludwig Institute for Cancer Research University of Oxford Oxford, United Kingdom	→ transcription → chromatin → signal transduction → melanoma → <i>Saccharomyces cerevisiae</i>

<p>Alex Gould</p>		<p>Division of Developmental Neurobiology National Institute for Medical Research (NIMR) London, United Kingdom</p>	<p>→ cell & tissue growth → metabolism → <i>Drosophila</i> → neuroblasts → oenocytes</p>
<p>Thanos Halazonetis</p>		<p>Dept. of Molecular Biology Sciences III University of Geneva Geneva, Switzerland</p>	<p>→ cancer → DNA damage → DNA replication → chromatin → genomic instability</p>
<p>Dirk Heinz</p>		<p>Division of Structural Biology Helmholtz Centre for Infection Research Braunschweig, Germany</p>	<p>→ host–pathogen interactions</p>
<p>Yrjö Helariutta</p>		<p>Plant Molecular Biology Laboratory Institute of Biotechnology University of Helsinki Helsinki, Finland</p>	<p>→ cambium → xylem → phloem → cytokinins → pattern formation</p>
<p>Winship Herr</p>		<p>Center for Integrative Genomics University of Lausanne Lausanne, Switzerland</p>	<p>→ cell-cycle → differentiation → transcription → herpes simplex virus → cancer</p>

Heribert Hirt		Plant Genomics Research (URGV) Evry, France	→ signal transduction → MAP kinase → <i>Arabidopsis</i> → <i>Agrobacterium</i> → <i>Salmonella</i>
Judith Klumperman		Dept. of Cell Biology University Medical Centre Utrecht Utrecht, Netherlands	→ membrane traffic → endocytosis → lysosomes → electron microscopy → live cell imaging
Pierre Léopold		Institute of Developmental Biology and Cancer (IBDC) UMR 6543 CNRS University of Nice Nice, France	→ growth control → insulin → ecdysone → metabolism → <i>Drosophila</i>
Gary R. Lewin		Max Delbrück Center for Molecular Medicine Berlin, Germany	→ sensory transduction → mechanotransduction → neurotrophic factors → ion channels → mouse genetics
Peter Lichter		Dept. of Molecular Genetics German Cancer Research Center (DKFZ) Heidelberg, Germany	→ tumour genome research → cancer mechanisms → molecular markers & diagnostic tools → molecular profiling → functional architecture of the nucleus

Maria Pia Longhese		Dept. of Biotechnology and Biosciences University of Milano – Bicocca Milano, Italy	→ checkpoints → DNA damage signalling → telomeres → meiosis → DNA replication
Andrew Lumsden		Medical Research Council Centre for Developmental Neurobiology King's College London London, United Kingdom	→ CNS → vertebrates → patterning → cell signalling → neurogenesis
Gero Miesenböck		Dept. of Physiology, Anatomy and Genetics University of Oxford Oxford, United Kingdom	→ neural circuits → optical imaging → optical control → behaviour → <i>Drosophila</i>
Luigi Naldini		San Raffaele Telethon Institute for Gene Therapy (HSR-TIGET) Milano, Italy	→ gene therapy → angiogenesis → entiviral vector → microRNA → tumour targeting
Manolis Pasparakis		Institute of Genetics University of Cologne Cologne, Germany	→ inflammation → transgenic mouse models → signal transduction → innate immunity → disease mechanisms

Daniel Peeper		Division of Molecular Genetics Netherlands Cancer Institute (NCI) Amsterdam, Netherlands	→ cancer drug target discovery → functional oncogenomics → senescence → anoikis → metastasis
Josef Penninger		Institute of Molecular Biotechnology Austrian Academy of Sciences Vienna, Austria	→ disease mechanisms → pain → cancer immunity → signalling → control of SARS infections and lung failure by ACE2 / RANKL & bone metabolism
Salomé Prat		Spanish National Research Council (CSIC) Autonomous University of Madrid National Center of Biotechnology Madrid, Spain	→ light signalling → gibberellin → <i>Arabidopsis</i> → photoperiod → potato
Olivier Schwartz		Virus and Immunity Unit Dept. of Virology Pasteur Institute URA 3015 CNRS Paris, France	→ HIV → replication → cell-to-cell transfer → antigen presentation
Camilla Sjögren		Dept. of Cell and Molecular Biology Karolinska Institute Stockholm, Sweden	→ genome stability → chromosome segregation & repair → chromosome topology → SMC protein complexes → <i>Saccharomyces cerevisiae</i>

Len Stephens		The Inositide Laboratory The Babraham Institute Cambridge, United Kingdom	→ PI3Ks → reactive oxygen species → chemotaxis → neutrophil NADPH oxidase complex → neutrophils
Brigitta Stockinger		Division of Molecular Immunology Medical Research Council (MRC) Institute for Medical Research London, United Kingdom	→ T cell differentiation → effector cells → autoimmunity → aryl hydrocarbon receptor → host defense
Markus Stoffel		Institute for Molecular Systems Biology ETH Zurich - HPT E73 Zurich, Switzerland	→ metabolism → transcription → microRNAs → gene expression → signal transduction
Tomoyuki Tanaka		Wellcome Trust Centre for Gene Regulation & Expression College of Life Sciences University of Dundee Dundee, United Kingdom	→ chromosome segregation → chromosome duplication → cell cycle → budding yeast → fluorescence live-cell imaging
Mike Tyers		Wellcome Trust Centre for Cell Biology University of Edinburgh Edinburgh, United Kingdom	→ cell growth → cell division → ubiquitin-dependent proteolysis → chemical genetics → systems biology

members elected in 2008

Helle Ulrich		DNA Damage Tolerance Laboratory Cancer Research UK Herts, United Kingdom	→ ubiquitin → SUMO → DNA repair → DNA replication → mutagenesis
Bas van Steensel		Division of Gene Regulation Netherlands Cancer Institute Amsterdam, Netherlands	→ chromatin → nuclear organization → transcription → genomics → bioinformatics
Bart Vanhaesebroeck		Institute of Cancer, Barts & The London Queen Mary's School of Medicine and Dentistry University of London London, United Kingdom	→ signal transduction → lipid kinase → mouse gene targeting → cancer / immunology
Núria Verdaguer		Spanish National Research Council (CSIC) Institute of Molecular Biology Barcelona Barcelona, Spain	→ X-ray crystallography → large macromolecular complexes → viral particles → virus complexes → RNA virus replication
Siniša Volarević		Dept. of Molecular Medicine & Biotechnology University of Rijeka School of Medicine Rijeka, Croatia	→ cell growth → ribosomal proteins → cell cycle checkpoints → mouse development → disease mechanisms

Roger Williams



Medical Research Council (MRC)
Laboratory of Molecular Biology
Cambridge, United Kingdom

→ phosphoinositides → molecular biology of cancer
→ structural biology → membrane protein sorting
→ signal transduction

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Dept. of Cell Biology
Harvard Medical School
Boston, United States

→ signalling → oncogenesis → *Drosophila*
→ spinal muscular atrophy → ischemic stroke

Claude Desplan



Dept. of Biology
New York University
New York, United States

→ *Drosophila* → vision → evo-devo
→ retina → development


Scott Emr



Weill Institute for Cell & Molecular Biology
and
Dept. of Molecular Biology & Genetics
Cornell University
Ithaca, United States

→ membrane trafficking → protein sorting
→ vesicles → phosphoinositide lipid signalling
→ multivesicular body

associate members elected in 2008

Ronald N. Germain		Laboratory of Immunology National Institutes of Health (NIH) Bethesda, United States	→ immunity → lymphocyte → antigen recognition → imaging → computer modelling
Richard P. Harvey		Developmental Biology Program The Victor Chang Cardiac Research Institute Darlinghurst, Australia	→ heart development → congenital heart disease → homeodomain → cardiac stem cells → heart regeneration
Edison T. Liu		Genome Institute of Singapore Singapore, Singapore	→ cancer genomics → systems biology → signalling → breast cancer → nuclear hormones
Elliot M. Meyerowitz		Division of Biology California Institute of Technology Pasadena, United States	→ <i>Arabidopsis</i> → development → live imaging → computational modelling → cell-cell signalling
Thomas J. Silhavy		Dept. of Molecular Biology Princeton University Princeton, United States	→ membrane biogenesis → protein targeting → lipopolysaccharide transport → stress responses → <i>E. coli</i>

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Philippe Sansonetti

Bart de Strooper

	name	nationality	host laboratory	home laboratory	research interest
Austria	Bergthaler, Andreas	Austrian	Institute of Systems Biology, Seattle, USA	University of Geneva, Switzerland	The role of virus-induced post-translational protein modifications (ISGylation) in shaping antiviral immune responses
	Ehebauer, Matthias	Austrian	European Molecular Biology Laboratory (EMBL), Hamburg, Germany	European Molecular Biology Laboratory (EMBL), Hamburg, Germany	Investigating the structure and function of ACCase: an enzyme involved in the synthesis of essential lipid components of <i>Mycobacterium tuberculosis</i> protective cellular envelope
	Herzog, Franz	Austrian	Swiss Federal Institute of Technology (ETH), Zurich, Switzerland	Swiss Federal Institute of Technology (ETH), Zurich, Switzerland	Analysis of the kinetochore architecture by a mass spectrometry-based integrative structural approach
	Hoeller, Oliver	Austrian	University of California, San Francisco (UCSF), USA	MRC Laboratory of Molecular Biology, Cambridge, UK	Breaking symmetry: using synthetic biology to rewire cell polarity
	Madl, Tobias	Austrian	Technical University of Munich, Garching, Germany	Technical University of Munich, Garching, Germany	Quaternary structure of 3' splice site recognition during spliceosome assembly
Belgium	Derouaux, Adeline	Belgian	Institute for Cell and Molecular Biosciences, Newcastle upon Tyne, UK	University of Liege, Belgium	Structure and assembly of the septal peptidoglycan synthesized during bacterial cell division
	Hallez, Regis	Belgian	Biozentrum, University of Basel, Switzerland	Institute for Molecular Biology and Medicine (IBMM), Free University of Brussels (ULB), Gosselies, Belgium	Molecular basis of a clock-like mechanism controlling cell cycle and development in <i>Caulobacter crescentus</i>
	Pauwels, Kris	Belgian	National Institute for Medical Research, London, UK	Brussels' Free University, Belgium	Structure determination of Abeta oligomers in Alzheimer's disease
	Vanhollebeke, Benoit	Belgian	University of California San Francisco (UCSF), USA	Institute of Molecular Biology and Medicine, Free University of Brussels, Gosselies, Belgium	Study of apolipoproteins L in zebrafish
Croatia	Novak, Ivana	Croatian	MedILS – Mediterranean Institute for Life Sciences, Split, Croatia	Karolinska Institute, Stockholm, Sweden	Functional analysis of interacting proteins with inactive ErbB family receptors
Czech Republic	Basler, Marek	Czech	Harvard Medical School, Boston, USA	Harvard Medical School, Boston, USA	Structure of <i>Pseudomonas aeruginosa</i> type VI secretion system
	Konopova, Barbora	Czech	University Museum of Zoology, University of Cambridge, UK	Biology Centre of the Czech Academy of Sciences, Institute of Entomology, Ceske Budejovice, Czech Republic	Hox gene specification and patterning of the uniquely modified first abdominal appendages of hexapods

long-term fellowship awards 2008

	name	nationality	host laboratory	home laboratory	research interest
Finland	Tyynismaa, Henna	Finnish	University College London, UK	Biomedicum Helsinki, Finland	Mitochondrial DNA copy number regulation
	Westerling, Thomas	Finnish	Dana-Farber Cancer Institute, Boston, USA	University of Helsinki, Finland	Epigenetic regulation of hormone response in breast cancer
France	Alix, Eric	French	Yale University School of Medicine, Boyer Center for Molecular Medicine, New Haven, USA	INSERM, Nazmes, France	Molecular determinants of RalF protein localization and specificity for Arf activation
	Apetoh, Lionel	French	Harvard Medical School, Boston, USA	Gustave Roussy Institute, Villejuif, France	Role of TIM-3 in regulating Th1 and Th17 responses
	Berni, Jimena	French	University of Cambridge, UK	Foundation Institute Leloir, IIBA-Conicet, Buenos Aires, Argentina	Homeostatic compensation for developmental defects in the axon- guidance mutant roundabout
	Besson, Morgane	French	University of Cambridge, UK	University of Cambridge, UK	Molecular basis of impulsivity and its relationship to drug addiction
	Boudet, Julien	French	Swiss Federal Institute of Technology (ETH), Zurich, Switzerland	Swiss Federal Institute of Technology (ETH), Zurich, Switzerland	NMR-based structure of the 58 kDa splicing repressor PTB free and bound to RNA
	Bouvier, Marie	French	Max Planck Institute for Infection Biology, Berlin, Germany	Max Planck Institute for Infection Biology, Berlin, Germany	Multiple mRNA target regulation by small noncoding RNA
	Bouvignies, Guillaume	French	Hospital for Sick Children, Toronto, Canada	Institute for Structural Biology Jean-Pierre Ebel, Grenoble, France	NMR studies of the dynamic Sic1-Cdc4 complex to characterize mechanisms of "ultrasensitive" regulation of disordered protein interactions
	Breau, Marie	French	National Institute for Medical Research, London, UK	Curie Institute, Paris, France	Functions of Hox genes in directed cell migration
	Camblong, Jurgi	French	University of Oxford, UK	University of Geneva, Switzerland	Role and regulation of transcription termination in cohesin deposition and establishment during the cell cycle
	Coolen, Marion	French	Institute for Developmental Genetics Helmholtz Zentrum Munich, Neuherberg, Germany	Institute for Developmental Genetics Helmholtz Centre Munich, Neuherberg, Germany	miR-9 and the fine-tuning of neurogenesis control in zebrafish
Dawid, Alexandre	French	FOM Institute for Atomic and Molecular Physics (AMOLF), Amsterdam, The Netherlands	Curie Institute, Paris, France	Directed evolution of "all-RNA" synthetic genetic circuits	

	name	nationality	host laboratory	home laboratory	research interest
France (cont.)	Duboc, Veronique	French	National Institute for Medical Research, London, UK	National Institute for Medical Research, London, UK	Identification of candidate limb-type identity determining genes
	Esnault, Cyril	French	Cancer Research UK, London, UK	Cancer Research UK, London, UK	Specification of the control of SRF mediated transcription
	Faresse, Nouridine	French	University of Lausanne (UNIL), Switzerland	University of Lausanne (UNIL), Switzerland	Novel roles of ubiquitylated proteins in aldosterone regulated Na ⁺ transport
	Ferri-Lagneau, Karine	French	University of Virginia, School of Medicine, Charlottesville, USA	University Claude Bernard Lyon1, Villeurbanne, France	Molecular definition of morphogenetic fields controlling the spatial identity of cells within the early zebrafish embryo through the interactions between FGF, BMP, Nodal and Wnt signalling pathways
	Gourion, Benjamin	French	Laboratory of Tropical and Mediterranean Symbiosis, Montpellier, France	Institute of Microbiology, Zurich, Switzerland	Functional analysis of CO ₂ fixation in the photosynthetic plant symbiont <i>Bradyrhizobium</i> spp. <i>ORS278</i>
	Guynet, Catherine	French	University of Cantabria, Santander, Spain	Laboratory of Microbiology and Molecular Genetics (LMGM), Toulouse, France	Function and regulation of the <i>stbABC</i> operon of plasmid R388: a system involved in plasmid establishment in recipient cells
	Junion, Guillaume	French	European Molecular Biology Laboratory (EMBL), Heidelberg, Germany	European Molecular Biology Laboratory (EMBL), Heidelberg, Germany	Dissecting the logic of cardioblast specification
	Kappeler, Caroline	French	Institute of Neuroscience, Alicante, Spain	Cochin Institute, Paris, France	The role of Disrupted in schizophrenia 1 (Disc1) in the development of cortical interneurons
	Lagouge, Marie	French	Karolinska Institute, Stockholm, Sweden	Institute of Genetics and Molecular and Cellular Biology (IGBMC), Illkirch, France	Dynamic regulation of mtDNA transcription in response to different demands for oxidative phosphorylation capacity
	Medioni, Caroline	French	Australian Regenerative Medicine Institute, Victoria, Australia	Institute of Developmental Biology of Marseille Luminy (IBDML), Marseille, France	Remodelling of the extracellular matrix by matrix metalloproteinases in zebrafish muscle attachment and disease models
	Menager, Mickael	French	Skirball Institute of Biomolecular Medicine, New York, USA	National Institute of Health and Medical Research (INSERM), Paris, France	Characterization of the mechanisms involved in DC-mediated HIV transport and enhanced replication
	Michalski, Nicolas	French	Brain Mind Institute, Lausanne, Switzerland	Pasteur Institute, Paris, France	Molecular mechanisms of the formation and early function of calyx of Held synapses in the auditory brainstem

long-term fellowship awards 2008

	name	nationality	host laboratory	home laboratory	research interest
France (cont.)	Mine-Hattab, Judith	French	Columbia University, New York, USA	Curie Institute, Paris, France	<i>In vivo</i> choreography of DNA molecules and repair proteins during the search for homology
	Mingueneau, Michael	French	Joslin Diabetes Center (Harvard Medical School), Boston, USA	Centre of Immunology Marseille-Luminy (CIML), Marseille, France	Molecular dissection of T cell receptor signalling networks leading to central tolerance breakdowns in the NOD mouse model
	Montel-Hagen, Amelie	French	Eli and Edythe Broad Center for Regenerative Medicine and Stem Cell Research, Los Angeles, USA	Institute of Molecular Genetics, Montpellier, France	Transcriptional regulation of haematopoietic stem cell homeostasis by Mef2c
	Revenu, Céline	French	European Molecular Biology Laboratory (EMBL), Heidelberg, Germany	Curie Institute, Paris, France	Regulation of adherens junction remodelling within morphogenetic tissues <i>in vivo</i>
	Sonneville, Remi	French	College of Life Sciences, University of Dundee, UK	College of Life Sciences, University of Dundee, UK	Using <i>C. elegans</i> to identify novel regulators and for developmental studies of DNA replication
	Tozer, Samuel	French	National Institute for Medical Research, London, UK	National Institute for Medical Research, London, UK	Integration of BMP signals during patterning of the dorsal neural tube
	Vernet, Nadege	French	National Institute for Medical Research, London, UK	National Institute for Medical Research, London, UK	Characterization of the functions of the Y-chromosome genes Zfy2, Jarid1d and H2AI2 during mouse spermatogenesis
	Vuillet, Laurie	French	Centre for Integrative Genomics – University of Lausanne, Switzerland	Centre for Integrative Genomics – University of Lausanne, Switzerland	Co-evolution after genome duplication as a tool to identify novel components of phototropin signalling
Germany	Ameres, Stefan	German	University of Massachusetts Medical School, Worcester, USA	University of Massachusetts Medical School, Worcester, USA	Regulation of the RNAi pathway in <i>Drosophila</i>
	Berger, Christian	German	IMBA – Institute of Molecular Biotechnology GmbH, Vienna, Austria	Institute of Genetics, Mainz, Germany	RNAi screen for novel factors involved in proliferation control in the <i>Drosophila</i> larval neuroblast
	Beringer, Malte	German	Centre for Genomic Regulation (CRG), Barcelona, Spain	Centre for Genomic Regulation (CRG), Barcelona, Spain	A new class of non-coding RNA involved in adult stem cell differentiation
	Bock, Christoph	German	Harvard University, Cambridge, USA	Institute of Genetics and Molecular and Cellular Biology (IGBMC), Saarbrücken, Germany	Untangling the cancer epigenome – from statistical correlation to inferred molecular function

	name	nationality	host laboratory	home laboratory	research interest
Germany (cont.)	Boos, Dominik	German	Cancer Research UK, Potters Bar, UK	Cancer Research UK, Potters Bar, UK	The function of TopBP1 in the initiation of chromosome replication
	Dohmann, Esther M. N.	German	University of Lausanne, Switzerland	University of Tuebingen, Germany	Receptor endocytosis and trafficking in plants
	Ernst, Robert	German	Whitehead Institute for Biomedical Research, Cambridge, USA	Institute of Biochemistry, Duesseldorf, Germany	Exploring the endoplasmic reticulum-associated protein degradation <i>in vitro</i>
	Feig, Christine	German	Cancer Research UK, Cambridge, UK	Cancer Research UK, Cambridge, UK	Are pancreatic stellate cells sentinels for tissue damage?
	Fritzenwanker, Jens	German	University of Chicago, USA	Sars International Centre for Marine Molecular Biology, Bergen, Norway	Delta-Notch signalling in the hemichordate <i>Saccoglossus kowalevskii</i> can reveal important insights into chordate nervous system evolution
	Frunzke, Julia	German	Swiss Federal Institute of Technology (ETH), Zurich, Switzerland	Swiss Federal Institute of Technology (ETH), Zurich, Switzerland	Analysis of the regulatory network controlling general stress response in <i>Methylobacterium extorquens AM1</i>
	Gauss, Robert	German	Institute of Microbiology, Zurich, Switzerland	Max Delbrueck Centre for Molecular Medicine, Berlin, Germany	Function of mannosidase-like proteins in ER protein homeostasis control of yeast and mammals
	Haas, Petra	German	Institute of Zoology, Heidelberg, Germany	European Molecular Biology Laboratory (EMBL), Heidelberg, Germany	Morphological and cell biological approach towards the understanding of stem cell differentiation in the fish retina
	Hock, Andreas	German	The Beatson Institute for Cancer Research, Glasgow, UK	The Beatson Institute for Cancer Research, Glasgow, UK	Investigation of MDM2 regulation
	Kirstein, Janine	German	Northwestern University, Evanston, USA	Free University of Berlin, Germany	Dysregulation of chaperone networks in chronic protein misfolding and disease
	Kramer, Armin	German	London Centre for Nanotechnology, UK	University Hospital Muenster, Germany	Investigating the cause of nuclear barrier breakdown during apoptosis
	Kuhn, Claus-Dieter	German	Cold Spring Harbor Laboratory, USA	Gene Center, Munich, Germany	Structure and function of Piwi proteins in planarians essential for regeneration and stem cell differentiation
	Löw, Christian	German	Karolinska Institute, Stockholm, Sweden	Karolinska Institute, Stockholm, Sweden	Structural studies of the human tetraspan vesicle membrane protein synaptogyrin
Meinecke, Michael	German	MRC Laboratory of Molecular Biology, Cambridge, UK	University of Osnabrueck, Germany	Morphology of the mitochondrial inner membrane – proteins involved in determining the shape of cristae and fission of the inner membrane	

	name	nationality	host laboratory	home laboratory	research interest
Germany (cont.)	Noeske, Jonas	German	California Institute of Quantitative Biosciences, Berkeley, USA	Johann Wolfgang Goethe University, Frankfurt/Main, Germany	Structural and biochemical investigations of translation initiation mediated by the hepatitis C virus internal ribosomal entry site RNA on human ribosomes
	Oelschlaegel, Tobias	German	The Wellcome Trust/ Cancer Research UK Gurdon Institute University of Cambridge, UK	The Wellcome Trust/ Cancer Research UK Gurdon Institute University of Cambridge, UK	Identifying novel aspects of the eukaryotic DNA-damage response
	Platta, Harald	German	Centre for Cancer Biomedicine, Faculty Division Norwegian Radium Hospital, University of Oslo, Norway	Ruhr-University Bochum, Germany	Characterization of the phosphatidylinositol 3-kinase (PI3K-III) complex in human cells
	Porstmann, Thomas	German	Institute of Molecular Systems Biology, Zurich, Switzerland	Institute of Molecular Systems Biology, Zurich, Switzerland	Regulation of Foxa2 activity by posttranscriptional acetylation and its role in metabolism and development
	Rister, Jens	German	New York University, USA	University of Wuerzburg, Germany	Cell-fate decisions in <i>Drosophila</i> photoreceptors
	Saum, Stephan H.	German	Harvard Medical School, Boston, USA	Johann Wolfgang Goethe University, Frankfurt/Main, Germany	Identification of novel microbial signalling compounds using novel screening techniques that are based on metabolite stimulation
	Schmidt, Christine	German	National Cancer Institute, Bethesda, USA	Cancer Research UK , London, UK	Identification of DSB immobility factors with tumour suppressor function
	Schneider, Leonid	German	IFOM – The FIRC Institute of Molecular Oncology Foundation, Milan, Italy	IFOM – The FIRC Institute of Molecular Oncology Foundation, Milan, Italy	Functionality of DNA damage response pathways in mammalian somatic stem cells and their role in oncogenic transformation, survival and differentiation
	Stigloher, Christian	German	École Normale Supérieure Paris, France	Institute of Developmental Genetics at the Helmholtz Centre Munich, Neuherberg, Germany	Analysis of a novel partner for localization and function of nicotinic acetylcholine receptors in <i>C. elegans</i>
	Tidow, Henning	German	PUMPKIN – Centre for Membrane Pumps in Cells and Disease, Aarhus, Denmark	Medical Research Council, Cambridge, UK	Structural studies of P-type ATPases and their characterization in native membranes
	Veit, Guido	German	McGill University, Montreal, Canada	Centre for Biochemistry, Cologne, Germany	Investigations of the cystic fibrosis transmembrane conductance regulator (CFTR) role in the innate immune response of respiratory epithelia

	name	nationality	host laboratory	home laboratory	research interest
Germany (cont.)	Von Blume, Julia	German	Centre for Genomic Regulation (CRG), Barcelona, Spain	Centre for Genomic Regulation (CRG), Barcelona, Spain	Regulation of mitotic entry and spindle dynamics by a Golgi associated protein
	von Philipsborn, Anne	German	Institute of Molecular Pathology, Vienna, Austria	University of Karlsruhe, Germany	Auditory control of courtship behavior in <i>Drosophila</i> : functional analysis of brain circuits and genes
	Wagner, Samuel	German	Yale University School of Medicine, New Haven, USA	Yale University School of Medicine, New Haven, USA	Functional and structural studies on the accessory membrane proteins of the type III secretion system export apparatus of <i>Salmonella typhimurium</i>
	Wegmeyer, Heike	German	Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto, Canada	Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto, Canada	Role of Shc scaffold proteins in regulating neuronal differentiation and survival in the mouse nervous system
	Wehr, Michael	German	Cancer Research UK, London, UK	Cancer Research UK, London, UK	Combining split-TEV and RNAi screening techniques to dissect the Hippo pathway
	Westenhoff, Sebastian	German	University of Gothenburg, Sweden	University of Gothenburg, Sweden	Transmembrane ion transport visualized by time-resolved X-ray scattering
	Willmund, Felix	German	Stanford University, USA	Stanford University, USA	Mechanisms of the cytoplasmic quality control for misfolded proteins
	Wollert, Thomas	German	National Institute of Health, Bethesda, USA	National Institute of Health, Bethesda, USA	Reconstitution of the ESCRT-machinery and of HIV budding from the cell membrane <i>in vitro</i>
	Wossning, Thomas	German	Spanish National Cancer Centre (CNIO), Madrid, Spain	Spanish National Cancer Centre (CNIO), Madrid, Spain	Role of activation-induced cytidine deaminase in inflammation-induced carcinogenesis
Greece	Gligoris, Thomas	Greek	University of Oxford, UK	University of Oxford, UK	Exploring dynamic conformational changes within the cohesion complex
	Kiskinis, Evangelos	Greek	Harvard Stem Cell Institute, Cambridge, USA	Institute of Reproductive and Developmental Biology, Imperial College, London, UK	Utilization of induced pluripotent stem cells for the study of Amyotrophic Lateral Sclerosis (ALS)
	Marangos, Petros	Greek	Alexander Flemming Biomedical Sciences Research Center, Varkiza, Greece	University College London, UK	Regulation of DNA damage checkpoints in mammalian meiosis
	Papanayotou, Costis	Greek	Institute Jacques Monod, Paris, France	University College London, UK	Nodal and the maintenance of pluripotency: transcription factors and regulatory sequences

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	name	nationality	host laboratory	home laboratory	research interest
Ireland	Harrington, Eoghan	Irish	Stanford University School of Medicine, USA	Stanford University, USA	Investigating the interplay between host gene expression and the gut microbiota in the pathogenesis of inflammatory bowel disease
Israel	Alt, Aaron	Israeli	Institute of Biomedicine of Valencia (CSIC), Spain	Ludwig-Maximilians University of Munich, Germany	The structures of endoglin and podocalyxin at atomic resolution
	Ben Shem, Adam	Israeli	Institute of Genetics and Molecular and Cellular Biology (IGBMC), Illkirch, France	Institute of Genetics and Molecular and Cellular Biology (IGBMC), Illkirch, France	Structural studies of the eukaryotic ribosome
	Cinnamon, Yuval	Israeli	National Institute for Medical Research, London, UK	National Institute for Medical Research, London, UK	Ventricular wall remodelling in development and disease
	Shvartsman, Dmitry	Israeli	Harvard University, Cambridge, USA	Tel-Aviv University, Israel	Spatiotemporal regulation of angiogenesis and reinnervation in engineered muscle tissue
	Eran, Yonatan	Israeli	University of California, San Francisco (UCSF), USA	The Hebrew University, Institute of Medical Research, Jerusalem, Israel	Activation of PI3K by <i>Pseudomonas</i> subverts host trafficking to enhance infection at mucosal surfaces
	Feldman, Michal	Israeli	Swiss Federal Institute of Technology (EPFL), Lausanne, Switzerland	Tel-Aviv University, Israel	Characterization of ER folding and assembly mechanisms of the CMG2 and LRP6 proteins
	Gat-Viks, Irit	Israeli	Broad Institute of MIT and Harvard, Cambridge, USA	Max Planck Institute for Molecular Genetics, Berlin, Germany	Deciphering the genetic and regulatory mechanisms underlying innate immune response variation in mammals
	Goren, Alon	Israeli	Harvard Medical School, Charlestown, USA	Broad Institute of MIT and Harvard, Cambridge, USA	Dissection of the regulatory circuits in mammalian pre-implantation development
	Habib, Shukry James	Israeli	Howard Hughes Medical Institute, Stanford, USA	Ludwig-Maximilians University of Munich, Germany	The role of Wnt proteins in symmetric/asymmetric divisions of the mammary stem cells
	Kaplan, Tomer	Israeli	Lawrence Berkeley National Laboratory, USA	The Hebrew University, Jerusalem, Israel	Deciphering the transcriptional regulatory system in <i>Drosophila</i> using cross species studies: a systems biology approach
	Kolodkin-Gal, Ilana	Israeli	Harvard University, Boston, USA	The Hebrew University, Hadassah Medical Centre, Jerusalem, Israel	New genetic and physiological components that regulate biofilm formation in <i>B. subtilis</i>
	Levy, Dan	Israeli	Stanford University, Palo Alto, USA	Weizmann Institute of Science, Rehovot, Israel	NSD3's function in chromatin-mediated processes and oncogenesis

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Israel (cont.)	May, Dalit	Israeli	Lawrence Berkeley National Laboratory, USA	The Hebrew University, Hadassah Medical Centre, Jerusalem, Israel	Combining genomic approaches with animal models to study the genetic basis of human diseases
	Nir, Yuval	Israeli	University of Wisconsin-Madison, USA	Weizmann Institute of Science, Rehovot, Israel	Sleep and neural plasticity: closing the gap between physiology and behavior
	Reef, Sharon	Israeli	University of California, San Francisco (UCSF), USA	Weizmann Institute of Science, Rehovot, Israel	Characterizing the regulation on p19ARF expression after Myc induction by the Bcl-2 family
	Reichmann, Dana	Israeli	University of Michigan, Ann Arbor, USA	Weizmann Institute of Science, Rehovot, Israel	Architecture and design of the redox regulated chaperone machinery
	Rolls, Asya	Israeli	Stanford University School of Medicine, Palo Alto, USA	Weizmann Institute of Science, Rehovot, Israel	Involvement of hypocretineric neurons in memory processes and sleep-dependent memory consolidation
	Schein, Aleks	Israeli	Aarhus University, Denmark	Technion – Israel Institute of Technology, Haifa, Israel	The role of endoribonucleases in human RNA metabolism
	Spiegel, Asaf	Israeli	Massachusetts Institute of Technology (MIT), Cambridge, USA	Whitehead Institute, Cambridge, USA	Inflammation induced cancer: recruitment and differentiation of tumour-associated macrophages
	Urbach, Achia	Israeli	Harvard Stem Cell Institute, Boston, USA	Institute of Life Sciences, Jerusalem, Israel	Modelling human epigenetic diseases by induced pluripotent stem cells
	Yacoby, Iftach	Israeli	Massachusetts Institute of Technology (MIT), Cambridge, USA	Tel-Aviv University, Israel	Study of the photosystem I electron flow to hydrogenase
	Zemach, Assaf	Israeli	University of California, Berkeley, USA	Weizmann Institute of Science, Rehovot, Israel	The role of histone H2A.Z in chromatin structure and transcription
Italy	Attanasio, Catia	Italian	Lawrence Berkeley National Laboratory, USA	University of Geneva, Switzerland	Identification of chromatin targets of conserved <i>in vivo</i> enhancers and large-scale mapping of new cis-regulatory sequences
	Bemporad, Francesco	Italian	University of Cambridge, UK	University of Florence, Italy	Linking <i>in vitro</i> aggregation of alpha-synuclein to its <i>in vivo</i> toxicity
	Crotti, Andrea	Italian	University of California, San Diego (UCSD), La Jolla, USA	University of California, San Diego (UCSD), La Jolla, USA	IKKalpha-mediated repression of maspin gene in prostate cancer
	Decembrini, Sarah	Italian	University College London, UK	University of Pisa, Italy	Generation of photoreceptor precursors from amniotic stem cells for retinal repair

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	name	nationality	host laboratory	home laboratory	research interest
Italy (cont.)	Frezza, Christian	Italian	The Beatson Institute for Cancer Research, Glasgow, UK	Dulbecco-Telethon Institute, Padova, Italy	Generation of succinate dehydrogenase B knockout model to study metabolic changes in hereditary paraganglioma syndrome
	Gandin, Valentina	Italian	European Molecular Biology Laboratory (EMBL), Monterotondo, Italy	European Molecular Biology Laboratory (EMBL), Monterotondo, Italy	The physiological function of argonaute 2's slicer endonuclease activity
	Giacomelli, Lisa	Italian	Consorcio CSIC-IRTA, Barcelona, Spain	Consorcio CSIC-IRTA (IBMB-CSIC), Barcelona, Spain	Molecular characterization and functional implications of calcium signalling in the <i>Arabidopsis</i> biological clock
	Pace, Luigia	Italian	Curie Institute, Paris, France	University of Rome Tor Vergata, Italy	Dynamic imaging of regulatory T cell activity
	Paronetto, Maria Paola	Italian	Centre de Regulació Genòmica, Barcelona, Spain	CERC/ Santa Lucia Foundation, Rome, Italy	Identification of alternative splicing targets of the tumour suppressor LUCA15 and its regulation through post-translational modification
	Porro, Antonio	Italian	Swiss Federal Institutes of Technology (EPFL), Epalinges, Switzerland	Swiss Federal Institutes of Technology (EPFL), Epalinges, Switzerland	Biogenesis and function of telomeric repeat containing RNA (TERRA)
	Settembre, Carmine	Italian	Columbia University, New York, USA	Telethon Institute of Genetic and Medicine (TIGEM), Napoli, Italy	Regulation of the osteocalcin pathway by insulin and adiponectin
	Stagno d'Alcontres, Martina	Italian	Spanish National Cancer Centre (CNIO), Madrid, Spain	Spanish National Cancer Centre (CNIO), Madrid, Spain	Role of Pot1 and Tpp1 in cancer and ageing
	Stavru, Fabrizia	Italian	Pasteur Institute, Paris, France	Max Planck Institute for Biophysical Chemistry, Goettingen, Germany	Role of mitochondria and mitochondrial dynamics in bacterial infection
	Zito, Ester	Italian	Skirball Institute of Biomolecular Medicine, New York, USA	Skirball Institute of Biomolecular Medicine, New York, USA	ERO1 and failure of homeostasis in the endoplasmic reticulum stress response
Luxembourg	Wehenkel, Annemarie	Luxembourgian	European Institute of Oncology, Milan, Italy	European Institute of Oncology, Milan, Italy	The structural and functional characterisation of the ROD–Zw10–Zwilch (RZZ) complex

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The Netherlands	Bruggeman, Sophia	Dutch	MRC Centre for Developmental Neuroscience, King's College London, UK	Netherlands Cancer Institute, Amsterdam, The Netherlands	Exploring the establishment of differential responses to Sonic Hedgehog signalling in the developing avian thalamus
	Epping, Mirjam	Dutch	Harvard Medical School, Boston, USA	Netherlands Cancer Institute, Amsterdam, The Netherlands	Functional analysis of PTEN, SOX4 and PML in prostate cancer development and progression
	Kind, Jop	Dutch	Netherlands Cancer Institute, Amsterdam, The Netherlands	Netherlands Cancer Institute, Amsterdam, The Netherlands	Studying the epigenomic regulation of gene-expression programs in dendritic cell lineage differentiation
	Kurreeman, Fina	Dutch	Harvard-Partners Center for Genetics & Genomics Harvard Medical School, Boston, USA	Leiden University Medical Center, The Netherlands	Identification of functional common and rare variants in the CD40 signalling pathway in rheumatoid arthritis
	Lammerts van Bueren, Alicia	Dutch	York Structural Biology Laboratory, University of York, UK	University of Victoria, Canada	Structural and functional dissection of polysaccharide biosynthesis involving family 2 glycosyltransferases
	Rooijackers, Suzan	Dutch	University of California, San Diego (UCSD), La Jolla, USA	University Medical Centre Utrecht, The Netherlands	Complement escape by gram-positive pathogens: <i>in vivo</i> importance
	Rowland, Benjamin	Dutch	University of Oxford, UK	University of Oxford, UK	Trigger for building sister chromatid cohesion: merely inhibition of anti-establishment proteins?
	Spoel, Steven	Dutch	University of Edinburgh, UK	Duke University, Durham, USA	Plant innate immunity: thioredoxins clear the SNO
	Van den Oever, Michel	Dutch	Hospital for Sick Children, Toronto, Canada	Hospital for Sick Children, Toronto, Canada	Neuronal selection during formation of an addiction memory
	Woltering, Joost	Dutch	University of Geneva, Switzerland	University of Geneva, Switzerland	From fins to limbs: evolutionary dissection of a digit enhancer
Poland	Krzemien, Joanna	Polish	University of Cambridge, MRC Laboratory of Molecular Biology, UK	Center of Developmental Biology (CBD), Toulouse, France	Planar cell polarity (PCP) in myogenesis in the <i>Drosophila</i> adult abdomen
Portugal	Barreiro, Luis	Portuguese	University of Chicago, USA	University of Chicago, USA	Phenotypic evolution of innate immune signalling pathways in primates
	Castelo-Branco, Goncalo	Portuguese	The Gurdon Institute, University of Cambridge, UK	Karolinska Institute, Stockholm, Sweden	Histone arginine methylation in oligodendrocyte development and neural stem cell specification

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	name	nationality	host laboratory	home laboratory	research interest
Portugal (cont.)	Real, Eliana	Portuguese	Institute of Molecular Medicine, Lisbon, Portugal	Institute of Molecular Medicine, Lisbon, Portugal	Host-parasite interactions in the asymptomatic liver stages of malaria: defining mechanisms of atypical PKC subversion by <i>F177</i>
	Reis, Pedro	Portuguese	University of Lausanne, Epalinges, Switzerland	Chalmers University of Technology, Goteborg, Sweden	Analysis of lipid transition and fusion pore dynamics in SNARE-dependent membrane fusion
	Soares, Helena	Portuguese	Pasteur Institute, Paris, France	Rockefeller University, New York, USA	Polarized molecular trafficking during the formation of the immunological synapse: targeting by human immunodeficiency virus (HIV-1)
Slovak Republic	Kutejova, Eva	Slovakian	National Institute for Medical Research, London, UK	National Institute for Medical Research, London, UK	Shh controlled, neural tube specific gene regulatory network
	Zelenay, Santiago	Slovakian	Cancer Research UK, London, UK	Gulbenkian Institute of Science, Oeiras, Portugal	Functional characterization of indirect dendritic cell activation and its impact on adaptive immunity
Slovenia	Dajkovic, Alex	Slovenian	Laboratory of Evolutive and Medical Molecular Genetics INSERM U571, Paris, France	Curie Institute, Paris, France	Role of SRC in tissue growth and morphogenesis
Spain	Abarrategui, Iratxe	Spanish	Biotech Research & Innovation Centre, University of Copenhagen, Denmark	Biotech Research & Innovation Centre, University of Copenhagen, Denmark	Analysis of the role of PLU-1 in development and cancer
	Agis-Balboa, Roberto Carlos	Spanish	European Neuroscience Institute, University of Goettingen Medical School, Germany	European Neuroscience Institute, University of Goettingen Medical School, Germany	The role of DNA methylation in the extinction of fear
	Andreu, Celia	Spanish	Sloan-Kettering Institute, New York, USA	University of Valencia, Burjassot (Valencia), Spain	Regulation of adult neural stem cells by microRNAs
	Belloc, Eulalia	Spanish	Friedrich Miescher Institute for Biomedical Research (FMI), Basel, Switzerland	Centre for Genomic Regulation (CRG), Barcelona, Spain	Deciphering the fate of mRNAs regulated by microRNAs
	Blanco Benavente, Sandra	Spanish	Wellcome Trust Center for Stem Cell Research, University of Cambridge, UK	Wellcome Trust Centre for Stem Cell Research, University of Cambridge, UK	Role of the RNA methyltransferase Misu in regulating epidermal stem cell fate and its implication for cancer
	Candel Ramon, Adela M.	Spanish	National Institute for Medical Research, London, UK	University of Granada, Spain	Interaction of FUSE binding protein 2/K-homology splicing regulator protein with FUSE DNA

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Spain (cont.)	Contreras, Laura	Spanish	University of Padova, Italy	Autonomous University of Madrid, Spain	Ca ²⁺ probes electroporation into the brain <i>in vivo</i> to image transients: relevance of Ca ²⁺ homeostasis in a mouse model of familial Alzheimer disease
	Garcia Gonzalez, Miguel	Spanish	Pasteur Institute, Paris, France	Pasteur Institute, Paris, France	Identification of modifier genes of maturity onset diabetes of the young type-3 (MODY-3/HNF1alpha)
	Garcia-Calero, Elena	Spanish	Institute of Biology, Free University of Berlin, Germany	Institute of Neuroscience UMH-CSIC, Alicante, Spain	Development and evolution of the bird song system: molecular basis, mechanism of development and evolutionary meaning
	Grego Bessa, Joaquin	Spanish	Sloan-Kettering Institute, New York, USA	Spanish National Centre of Biotechnology (CNB-CSIC), Madrid, Spain	The role of caofilin1 during neural tube morphogenesis
	Lamarca, Violeta	Spanish	University of Geneva, Switzerland	Institute of Biocomputation and Physics of Complex Systems, Zaragoza, Spain	Exploring the role of mitofusin-2, a mitochondrial shaping protein, in tethering organelles
	Madrid Mateo, Marisa	Spanish	Paterson Institute for Cancer Research, University of Manchester, UK	Paterson Institute for Cancer Research, University of Manchester, UK	Molecular analysis and regulation of the SPB protein Cut12p during mitotic commitment in fission yeast
	Mas Martin, Gloria	Spanish	Stanford University, USA	Pompeu Fabra University, Barcelona, Spain	Role of the histone methyltransferase NSD2 in chromatin regulation during oncogenesis
	Murillo Martin, Miguel Manuel	Spanish	Cancer Research UK, London, UK	Cancer Research UK, London, UK	RAS signalling to PI3K in cancer development and maintenance
	Noy, Agnes	Spanish	University of Sheffield, UK	Joint IRB-BSC Research Program in Computational Biology, Barcelona, Spain	The 3D code of DNA: understanding apparition of curvature from atomic detail to gene scale
	Reguera Vidaechea, Juan Javier	Spanish	European Molecular Biology Laboratory (EMBL), Grenoble, France	National Centre of Biotechnology (CNB), Madrid, Spain	Structural characterisation of bunyavirus polymerase by x-ray crystallography
	Revilla-i-Domingo, Roger	Spanish	Institute of Molecular Pathology, Vienna, Austria	Institute of Molecular Pathology, Vienna, Austria	Characterization of the B-cell-specific gene regulatory network by genome-wide identification of direct PAX5 target genes
	Roig-Villanova, Irma	Spanish	University of Milan, Italy	University of Barcelona, Spain	Regulation of floral organ identity genes by putative chromatin remodelling factors
	Rubio Somoza, Ignacio	Spanish	Max Planck Institute for Developmental Biology, Tuebingen, Germany	Max Planck Institute for Developmental Biology, Tuebingen, Germany	sRNAs and the interaction between GA and JA hormonal pathways

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	name	nationality	host laboratory	home laboratory	research interest
Spain (cont.)	Sanchez, Luis	Spanish	University of Oxford, UK	Spanish National Centre of Biotechnology (CNB-CSIC), Madrid, Spain	Understanding complex diseases by comprehensive computational analyses
Sweden	Carlsson, Jens	Swedish	University of California, San Francisco (UCSF), USA	Uppsala University, Sweden	Development and testing of a new method for describing receptor desolvation in molecular docking
	Gekas, Christos	Swedish	Centre for Genomic Regulation (CRG), Barcelona, Spain	University of California, Los Angeles (UCLA), USA	Generation of haematopoietic stem cells through transcription factor induced endothelial cell reprogramming
	Hjerling-Leffler, Jens	Swedish	New York University, USA	New York University School of Medicine, USA	Integration of developing GABAergic interneurons into cortical networks
	Maansson, Robert	Swedish	University of California, San Diego (UCSD), La Jolla, USA	Lund University, Sweden	Characterization and regulation of the Ig heavy locus 3D-structure
	Marklund, Ulrika	Swedish	National Institute for Medical Research, London, UK	Karolinska Institute, Stockholm, Sweden	Mechanisms for neuronal subtype specification during development of the enteric nervous system
	Nyqvist, Daniel	Swedish	IFOM – The FIRC Institute of Molecular Oncology Foundation, Milan, Italy	IFOM – The FIRC Institute of Molecular Oncology Foundation, Milan, Italy	Characterisation of the molecular role of endothelial beta-catenin in angiogenesis
	Sandblad, Linda	Swedish	Karolinska Institute, Stockholm, Sweden	European Molecular Biology Laboratory (EMBL), Heidelberg, Germany	Linking keratin and keratin-associated protein complex molecular structures to the function of the human skin barrier
	Widlund, Per	Swedish	Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany	Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany	Structure/function analysis of the Xmap215/Dis1 family of proteins
Switzerland	Bell, Stan Oliver	Swiss	Stanford University School of Medicine, USA	Friedrich Miescher Institute for Biomedical Research (FMI), Basel, Switzerland	<i>In vivo</i> analysis of the mechanism of ATP-dependent chromatin remodelling
	Mueller, Catherine	Swiss	Columbia University, New York, USA	Biozentrum, University of Basel, Switzerland	Analysis of the proteome of the <i>Legionella</i> containing vacuole membrane
	Oberstrass, Florian	Swiss	Stanford University, Schools of Engineering and Medicine, USA	Institute of Molecular Biology and Biophysics, Zurich, Switzerland	Mechanochemistry of replication initiation

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Turkey	Hamaratoglu, Fisun	Turkish	Biozentrum, University of Basel, Switzerland	Biozentrum, University of Basel, Switzerland	Co-ordinated control of patterning and growth: mechanisms of transcriptional regulation and dynamics of Dpp signalling in flies
United Kingdom	Boon, KumLoong	British	University of Heidelberg, Germany	Ohio State University, Columbus, USA	Functional analyses of G-patch proteins involved in ribosome biogenesis in yeast <i>S. cerevisiae</i>
	Costa, Alessandro	British	University of California, Berkeley, USA	University of Oxford, UK	Nucleoprotein architecture of an archaeal origin of replication
	Davidson, Iain	British	European Molecular Biology Laboratory (EMBL), Heidelberg, Germany	Wellcome Trust Biocentre, University of Dundee, UK	Role of SUN-domain proteins in nuclear envelope assembly in <i>Xenopus</i> egg extract
	James, John	British	University of California, San Francisco (UCSF), USA	Weatherall Institute of Molecular Medicine, Oxford, UK	Defining the role of the cytoskeleton in plasma membrane organization during T-cell activation
	Maxwell, Sarah	British	Karolinska Institute, Stockholm, Sweden	University of Edinburgh, UK	Phylogenetic fate mapping applied to adult hippocampal neurogenesis
	Pichlmair, Andreas	British	CeMM Center for Molecular Medicine of the Austrian Academy of Sciences, Vienna, Austria	Cancer Research UK, London, UK	Identifying networks of viral PAMPs, cellular proteins and viral pathogenicity factors through an integrated functional proteomics approach
	Saunders, Abbie	British	University of Manchester, UK	Cornell University, Ithaca, USA	Control of <i>Drosophila</i> Dpp target gene expression by SUMOylation of the transcriptional regulator, Brinker
	Wood, Andrew	British	University of California, Berkeley, USA	Howard Hughes Medical Institute, Berkeley, USA	Investigating mechanisms of X chromosome hyper-expression in metazoans
other nationalities	Wood, Kathleen	British	Groningen University, The Netherlands	University of Groningen, The Netherlands	Structural biology of neural cell adhesion
	Erickson, Jeffrey	American	Netherlands Proteomics Centre, Utrecht, The Netherlands	University of Iowa, USA	Proteomic analysis of CaMKII phosphorylation targets in the heart
	Ferguson, Matthew L.	American	CNRS/INSERM, Montpellier, France	CNRS-INSERM, University of Montpellier, France	<i>In vivo</i> study of transcriptional regulation in bacilli by fluorescence correlation spectroscopy
	Gelato, Kathy	American	Max Planck Institute for Biophysical Chemistry, Goettingen, Germany	Max Planck Institute for Biophysical Chemistry, Goettingen, Germany	Co-ordinated recognition of methylated DNA and methylated histones by human ICBP90

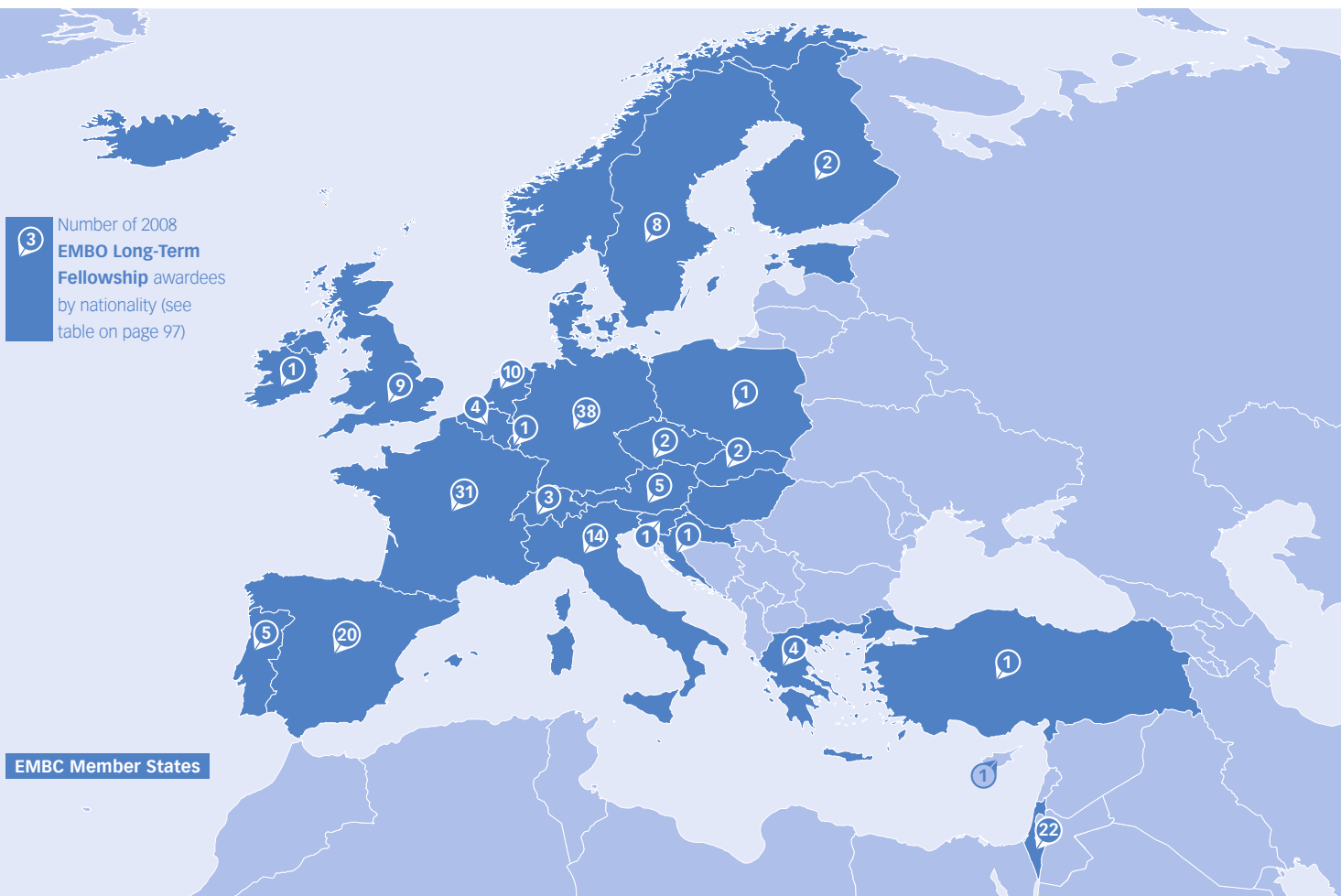
long-term fellowship awards 2008

	name	nationality	host laboratory	home laboratory	research interest
other nationalities (cont.)	Stouffer, Amanda	American	Swiss Federal Institute of Technology (ETH), Zurich, Switzerland	Swiss Federal Institute of Technology (ETH), Zurich, Switzerland	Interplay of conformational plasticity and enzymatic catalysis by a highly dynamic molten globular enzyme
	Bekinschtein, Pedro	Argentinian	University of Cambridge, UK	Institute for Cell Biology and Neurosciences, Buenos Aires, Argentina	Plasticity-related mechanisms involved in memory and pattern separation in the medial temporal lobe: from BDNF to cognition enhancement
	Fededa, Juan Pablo	Argentinian	Swiss Federal Institute of Technology (ETH), Zurich, Switzerland	Institute for Physiology, Molecular Biology and Neurosciences, Buenos Aires, Argentina	Functional live imaging-based screening for microRNAs regulating cell cycle progression
	Lioe, Hadi	Australian	University of Cambridge, UK	University of Melbourne, Parkville, Australia	Mass spectrometry and ion mobility mass spectrometry studies of macromolecular protein assemblies
	Loughran, Stephen	Australian	Weatherall Institute for Molecular Medicine, Oxford, UK	The Walter and Eliza Hall Institute for Medical Research, Parkville, Australia	Cellular and molecular determinants of pre-leukaemic and leukaemic stem cells
	MacArthur, Daniel	Australian	Wellcome Trust Sanger Institute, Hinxton, UK	Institute for Neuromuscular Research, Westmead, Australia	Evolutionary origins of human variation and common disease
	Vince, James	Australian	University of Lausanne, Epalinges, Switzerland	La Trobe University, Melbourne, Australia	Identifying novel regulators of RNA receptor signalling to modulate viral innate immunity
	Conder, Ryan	Canadian	Institute of Molecular Biotechnology (IMBA), Vienna, Austria	Institute of Molecular Biotechnology (IMBA), Vienna, Austria	Characterization of the <i>Drosophila</i> intestinal stem cell niche
	Dion, Vincent	Canadian	Friedrich Miescher Institute for Biomedical Research (FMI), Basel, Switzerland	Friedrich Miescher Institute for Biomedical Research (FMI), Basel, Switzerland	Mechanism of homology search during homologous recombination
	Tsaousis, Anastasios D.	Cypriot	Dalhousie University, Halifax, Canada	Dalhousie University, Halifax, Canada	Function of the mitochondria-like organelles of <i>Blastocystis</i>
Datta, Sourav	Indian	John Innes Centre (JIC), Norwich, UK	University of Gothenburg, Sweden	RSL4 is a master regulator of cell growth and size	
Gaur, Rahul	Indian	Umeå University, Sweden	Umeå University, Sweden	Pathways involved in nutrient sensing and metabolism in <i>C. elegans</i>	
Swamy, Mahima	Indian	King's College London, UK	Centre for Biological Signalling Studies, Freiburg im Breisgau, Germany	Role of Butyrophilin-like (Btl1) in gut epithelial cell-T cell interactions and immune surveillance	

	name	nationality	host laboratory	home laboratory	research interest
other nationalities (cont.)	Tiwari, Vijay	Indian	Friedrich Miescher Institute for Biomedical Research (FMI), Basel, Switzerland	Friedrich Miescher Institute for Biomedical Research (FMI), Basel, Switzerland	Topoisomerase function and epigenetic regulation of neuronal differentiation
	Miyanari, Yusuke	Japanese	Institute of Genetics and Molecular and Cellular Biology (IGBMC), Strasbourg, France	National Institute of Genetics, Mishima, Japan	Role of nuclear architecture in epigenetic genomic reprogramming during mammalian development
	Nakayama, Masanori	Japanese	Max Planck Institute for Molecular Biomedicine, Muenster, Germany	Max Planck Institute for Molecular Biomedicine, Muenster, Germany	Characterization of signalling complexes controlling vascular remodelling
	Nishimoto, Satoko	Japanese	National Institute for Medical Research, London, UK	National Institute for Medical Research, London, UK	Identification of Hox genes that determine limb-type identity and limb position
	Takashima, Yasuhiro	Japanese	Wellcome Trust Centre for Stem Cell Research University of Cambridge, UK	Wellcome Trust Centre for Stem Cell Research University of Cambridge, UK	Establishing human ground state pluripotent stem cells
	Bechara, Ahmad	Lebanese	Friedrich Miescher Institute for Biomedical Research (FMI), Basel, Switzerland	Friedrich Miescher Institute for Biomedical Research (FMI), Basel, Switzerland	Building the sensory musunculus: study of the involvement of Hox genes in the topographic organization of the whisker-to-barrel circuit
	Murr, Rabih	Lebanese	Friedrich Miescher Institute for Biomedical Research (FMI), Basel, Switzerland	Friedrich Miescher Institute for Biomedical Research (FMI), Basel, Switzerland	Occurrence and molecular mechanism of active demethylation during somatic differentiation in mammals
	Daujotyte, Dalia	Lithuanian	MRC Laboratory of Molecular Biology, Cambridge, UK	MRC Laboratory of Molecular Biology, Cambridge, UK	Identification and structural analysis of mammalian Staufen-RNA complexes
	Rucktooa, Prakash	Mauritian	Netherlands Cancer Institute, Amsterdam, The Netherlands	Netherlands Cancer Institute, Amsterdam, The Netherlands	Structural investigation of Cys-loop receptor-targeting drugs in complex with AChBP or human alpha7-nAChR
	Kondrashov, Fyodor	Russian	University of Constance, Germany	University of California, San Diego (UCSD), La Jolla, USA	Applying computation evolutionary genomics to functional genome studies
	Lekomtsev, Sergey	Russian	London Research Institute, UK	Engelhardt Institute of Molecular Biology, Moscow, Russian Federation	Regulation of cell division by BRCA2
	Trajkovic, Katarina	Serbian	University of Geneva, Switzerland	Centre for Biochemistry and Molecular Cell Biology, University of Goettingen, Germany	Coordination of intra-endosomal dynamics by Rab proteins

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	name	nationality	host laboratory	home laboratory	research interest
other nationalities (cont.)	Kim, Chun	South Korean	Institut for Genetics of the University of Cologne, Germany	Massachusetts General Hospital, Harvard Medical School, Charlestown, USA	Role of TRAF6 and of NF-kappaB signalling in skin tumourigenesis
	Rujano Maldonado, Maria Alexandra	Venezuelan	Curie Institute, Paris, France	Curie Institute, Paris, France	Role of abnormal spindle protein (Asp) in asymmetric cell division and tumourigenesis



applications and awards 2000–2008

country from	applications	% of total	awards	% of total	success rate %
Austria	124	1.33	37	2.24	30
Belgium	154	1.65	30	1.81	19
Croatia	50	0.54	12	0.73	24
Czech Republic	89	0.95	16	0.97	18
Denmark	76	0.81	17	1.03	22
Estonia	1	0.01	0	0.00	0
Finland	104	1.11	18	1.09	17
France	1847	19.79	314	18.98	17
Germany	1019	10.92	262	15.84	26
Greece	204	2.19	45	2.72	22
Hungary	120	1.29	20	1.21	17
Iceland	15	0.16	2	0.12	13
Ireland	91	0.98	12	0.73	13
Israel	478	5.12	95	5.74	20
Italy	606	6.49	91	5.50	15
Luxembourg	1	0.01	1	0.06	0
The Netherlands	324	3.47	82	4.96	25
Norway	18	0.19	2	0.12	11
Poland	142	1.52	16	0.97	11
Portugal	161	1.73	43	2.60	27
Slovak Republic	6	0.06	2	0.12	0
Slovenia	21	0.23	2	0.12	10
Spain	1123	12.03	141	8.52	13
Sweden	394	4.22	56	3.39	14
Switzerland	154	1.65	44	2.66	29
Turkey	62	0.66	6	0.36	10
United Kingdom	469	5.03	63	3.81	13
Eastern Europe	224	2.40	21	1.27	9
USA/Canada	381	4.08	74	4.47	19
Others	875	9.38	130	7.86	15
Total	9333	100	1654	100	18

* Estonia joined the EMBC in 2006

** Luxembourg and the Slovak Republic joined the EMBC in 2007

applications and awards 1977–2008

year	applications	awards	success rate %
2008	1218	215	18
2007	1288	212	16
2006	1232	222	18
2005	1236	198	16
2004	1137	163	14
2003	1080	164	15
2002	790	178	22
2001	645	147	23
2000	707	155	22
1999	830	170	20
1998	790	144	18
1997	831	185	22
1996	898	160	18
1995	877	147	17
1994	806	176	22
1993	739	199	27
1992	626	142	23
1991	571	139	24
1990	526	123	23
1989	460	118	26
1988	455	141	31
1987	383	120	31
1986	333	90	27
1985	340	92	27
1984	305	112	37
1983	294	103	35
1982	276	91	33
1981	274	111	41
1980	242	108	45

year	applications	awards	success rate %
1979	254	101	40
1978	235	101	43
1977	236	94	40

EMBO | long-term fellowships 2008: geographical distribution

applications Destination	Nationality																	Total													
	Austrian	Belgium	Croatian	Czech	Danish	Estonian	Finnish	French	German	Greek	Hungarian	Icelandic	Irish	Israeli	Italian	Luxembourgian	Dutch		Norwegian	Polish	Portuguese	Slovak	Slovenian	Spanish	Swedish	Swiss	Turkish	British	Eastern European nationalities	US-American/Canadian	Other nationalities
Austria								4										1					2			1	2	1	11		
Belgium							2	2							1	2		1					3			1			1	3	16
Croatia			1																											1	
Czech Republic																														0	
Denmark							1	2						1	1					1	1		2	6					2	17	
Estonia*																														0	
Finland				1			1	2			1																	1	1	7	
France		1	2				18	6	2	1		3	4	10		3		2	2	1	1	16	2			2	6	5	18	105	
Germany	1	1	2	1			14	5	2	1			2	6		2		1	3	1	1	14	3	1		5	1	4	16	87	
Greece										7																				7	
Hungary																														0	
Iceland																														0	
Ireland		1							1							1				1		1							2	7	
Israel																1		1											2	4	
Italy			2	1			3	1	1	1		1	1	4	1	1		1	2				4	4			2		4	34	
Luxembourg**																														0	
Netherlands							1	2				1	1			1		2				6				2	2	2	10	30	
Norway	1						1	2								1								2					2	9	
Poland				1															1											2	
Portugal							2													3							1		1	7	
Slovak Republic**																														0	
Slovenia																														0	
Spain		1	2				15	8	1	2			1	8						3			8	1		1	4	1	2	17	75
Sweden	2					1	4	4		2		1	1	2		1		1				2	2	2		1	3	3	4	36	
Switzerland	2	2		1			11	6	2	2		1	3	9		1		3	2			7		1	1	1	3	9	23	90	
Turkey																														0	
UK	2	3	1	2	2		3	49	19	5	2	1	2	6	19		10	2	6	3	3		50	4	6	2	6	7	15	40	270
EMBL	1						5	2					1	2		1						1		1		1				15	
Eastern Europe																														0	
USA/Canada	8	6	1	4	1		2	73	43	8	1		2	63	25		14	1	5	5		1	50	13	9	3	23	3	2	1	367
Others					1		7	2	1	1												2	2			3	1	1		21	
Total	17	15	11	11	4	0	6	207	111	29	14	1	12	83	87	1	39	3	25	25	6	3	168	39	20	8	49	30	47	147	1218

*Estonia joined the EMBC in 2006 **Luxembourg and the Slovak Republic joined the EMBC in 2007

	name	nationality	host laboratory	home laboratory	research interest
Austria	Badurek, Sylvia	Austrian	University Pablo de Olavide, Seville, Spain	European Molecular Biologoy Laboratory (EMBL), Monterotondo-Scalo, Italy	Study of the role of TrkB in GABAergic neurons during associative learning
	Binder, Ulrike	Austrian	University of Edinburgh, UK	Innsbruck Medical University, Innsbruck, Austria	<i>Penicillium chrysogenum</i> antifungal protein PAF disrupts calcium signalling in <i>Neurospora crassa</i>
	Hebenstreit, Daniel	Austrian	RIKEN BioResource Center, Tsukuba, Japan	MRC Laboratory of Molecular Biology, Cambridge, UK	Study of TH2 cell differentiation in JDP2 ^{-/-} mice
	Lechner, Doris	Austrian	University of Zaragoza, Spain	Karl-Franzens-University, Graz, Austria	Adaptation of an EtBr efflux assay to <i>M. smegmatis</i> mc ² 155 overexpressing the efflux-pump P55 from <i>M. tuberculosis</i>
	Lindinger, Peter Walter	Austrian	Wellcome Trust / MRC Cambridge, UK	University Hospital Basel, Switzerland	Nanoscale proteome analysis of human adipocyte-derived mitochondria
	Pickl-Herk, Angela Maria	Austrian	Purdue University, West Lafayette, USA	Medical University of Vienna, Austria	Uncoating intermediates of minor group human rhinoviruses
Belgium	Bauer, Fanelie	Belgian	Chemical Genetics Laboratory RIKEN, Tokyo, Japan	University of Namur, Belgium	Study of the role of a conserved tRNA modification on the fission yeast proteome by reverse protein array
	Brisson, Nathalie	Belgian	University of Modena and Reggio Emilia, Modena, Italy	Catholic University of Leuven, Belgium	Molecular characterization of two novel HOXD13 mutations in human congenital limb malformations
	De Rybel, Bert	Belgian	University of Nottingham, UK	University of Ghent, Belgium	A chemical genetics approach to lateral root emergence
	Depuydt, Stephen	Belgian	Max Planck Institute for Molecular Plant Physiology, Potsdam-Golm, Germany	University of Ghent, Belgium	Metabolite fingerprinting of <i>A. thaliana</i> plants infected by the phytopathogenic bacterium <i>R. fascians</i>
	Gillard, Jeroen	Belgian	Friedrich Schiller University, Jena, Germany	University of Ghent, Belgium	Characterization of the chemical cue(s) involved in sexual reproduction of the benthic diatom <i>Seminavis robusta</i>
	Nicolas, Emilien	Belgian	Paul Sabatier University, Toulouse, France	Catholic University of Leuven, Belgium	Biochemical characterization of the TnpA transposase of Tn4430, a transposon of the Tn3 family
	Van der Auwera, Geraldine	Belgian	Huazhong Agricultural University, Wuhan, China	Catholic University of Leuven, Belgium	A genomic approach to investigate the relationship between conjugative plasmids and their bacterial hosts
Croatia	Blaskovic, Sanja	Croatian	Goethe University Medical School, Frankfurt/Main, Germany	Mediterranean Institute for Life Sciences, Split, Croatia	Identification and characterization of new interacting partners of IKK α -ubiquitin like domain

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	name	nationality	host laboratory	home laboratory	research interest
Croatia <i>(cont.)</i>	Boskovic, Jasminka	Croatian	University of California, Berkeley, USA	Spanish National Cancer Research Centre (CNIO), Madrid, Spain	Electron microscopy and generation of a starting model for 3D reconstruction of the CAF-1 complex
	Matic, Ivan	Croatian	University of Dundee, UK	Max-Planck Institute for Biochemistry, Martinsried, Germany	Global SUMO proteome profiling during the cell cycle
	Mikecin, Ana-Matea	Croatian	University Medical Center Utrecht, The Netherlands	Rudjer Boskovic Institute, Zagreb, Croatia	Novel regulators of p27Kip1 expression
	Popovic, Matija	Croatian	University of Edinburgh, UK	International Centre for Genetic Engineering and Biotechnology (ICGEB), Trieste, Italy	Mapping the interaction surface of Jagged-1 cytoplasmic tail with afadin PDZ domain
	Seruga Music, Martina	Croatian	The John Innes Centre, Norwich, UK	University of Zagreb, Croatia	Linear and circular forms of PMUs (potential mobile units) in the Aster Yellows phytoplasma strain Witches Broom (AY-WB) genome
	Smole, Zlatko	Croatian	Necker hospital, INSERM Unit 571, Paris, France	Mediterranean Institute for Life Sciences, Split, Croatia	Protein function prediction
	Usenovic, Marija	Croatian	University of Toronto, Canada	Mediterranean Institute for Life Sciences, Split, Croatia	Mechanisms of neurodegeneration: lysosomal ATPase in Parkinson's disease
Czech Republic	Balik, Ales	Czech	MRC Laboratory of Molecular Biology, Cambridge, UK	Institute of Physiology (ASCR), Prague, Czech Republic	Distribution of alternatively RNA-edited AMPA receptor mRNAs and the dynamics of R/G editing in hippocampal circuits
Denmark	Poulsen, Hanne	Danish	Rockefeller University, New York, USA	University of Aarhus, Denmark	Electrophysiological studies of the sodium pump
Finland	Kuronen, Mervi	Finnish	King's College London, UK	University of Helsinki, Finland	Spatio-temporal characterization of the central nervous system in the neuronal ceroid lipofuscinosis Cln8 ^[mnd] mouse model: determining the disease onset and progression
	Sarparanta, Jaakko	Finnish	King's College London, UK	University of Helsinki, Finland	Transfection studies of myospdyn in neonatal rat cardiomyocytes
	Tegelberg, Saara	Finnish	King's College London, UK	University of Helsinki and Finnish Graduate School of Neuroscience, Helsinki, Finland	Stereological analysis of Cstb-deficient mouse brain
	Västinsalo, Hanna	Finnish	University of Oregon, Eugene, USA	Folkhalsan Institute of Genetics, Helsinki, Finland	Zebrafish as a model organism of Usher syndrome type 3 retinal phenotype

	name	nationality	host laboratory	home laboratory	research interest
France	Aycirix, Sophie	French	Max Planck Institute of Molecular Cell, Dresden, Germany	University Victor Segalen, Bordeaux, France	Molecular characterisation of lysophospholipid acyltransferases by mass spectrometry
	Decressac, Mickael	French	Centre for Brain Repair, Cambridge, UK	University of Poitiers, France	Effect of NPY in a transgenic model of Huntington's disease
	Demoinet, Emilie	French	Stanford University, Stanford, USA	University of Montpellier II, Paris, France	Novel <i>in vitro</i> methods to characterize the biochemical action of the Hsp40 chaperone Jj1 in ribosome biogenesis
	Dubois, Emeline	French	University of Cordoba, Spain	University Paris XI, Orsay, France	Biochemical characterization of AtUng
	Fillet, Sandy	French	Imperial College London, UK	Zaidin Experimental Station (EEZ-CSIC), Granada, Spain	TtgV crystallisation
	Jaglin, Xavier	French	New York University Medical Center, USA	Cochin Institute, Paris, France	Molecular investigation of potential folding and heterodimerization defects associated with TUBA1A <i>de novo</i> mutations causing cortical dysgeneses in human
	Kapusta, Aurelie	French	Purdue University, West Lafayette, USA	CNRS – CGM, Gif-sur-Yvette, France	RNA and DNA extraction during a conjugation time-course in highly synchronous <i>Paramecium</i> cells
	Lacoux, Caroline	French	Laboratory of Eukaryotic Molecular Biology (LBME), Toulouse, France	University of Rome, Italy	Characterization of the mechanism/s involved in the BC1 pseudouridine formation
	Maquaire, Sabrina	French	University of Freiburg, Germany	UMR CNRS 6247/Clermont University/INSERM U931, Clermont-Ferrand, France	Nucleophosmin, histone acetylation and androgen receptor-dependent transcription
	Mathieu, Juliette	French	University of Porto, Portugal	University Paris VI, Paris, France	Live imaging of survivin mutant neuroblasts in <i>Drosophila</i>
	Moindrot, Benoit	French	Erasmus Medical Center, Rotterdam, The Netherlands	Joliot Curie Laboratory, Lyon, France	Importance of replication origins in long-range interactions in the human genome
Pizette, Sandrine	French	UMC Utrecht, The Netherlands	Institut de Biologie du Developpement et Cancer (IBDC), Nice, France	Analysis of Hedgehog secretion route by immuno-electron microscopy	
Germany	Benz, Peter	German	John Radcliffe Hospital, Oxford, UK	University of Wuerzburg, Germany	Structural characterization of alpha II-spectrin SH3 domain interactions with Ena/VASP proteins
	Blanz, Judith	German	Sidney Weisner Laboratory of Genetic Neurological Disease, New York, USA	University of Kiel, Germany	Role of LIMP2 in the catabolism of gangliosides in neural cells of the brain

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	name	nationality	host laboratory	home laboratory	research interest
Germany (cont.)	Blombach, Fabian	German	Sapienza University, Rome, Italy	Wageningen University, The Netherlands	Molecular characterization of archaeal MBF1 and its contribution to translation fidelity
	Jaeger, Samira	German	Academic Medical Centre (AMC), Amsterdam, The Netherlands	Humboldt University, Berlin, Germany	Development of a confidence scoring scheme for protein functions predicted from protein interaction data
	Karagiannis, Panagiotis	German	Kings College London, UK	Medical University of Vienna, Austria	Comparison of Trastuzumab IgG1 and IgE antibodies for breast cancer therapy
	List, Felix	German	European Molecular Biology Laboratory (EMBL), Hamburg, Germany	University of Regensburg, Germany	X-ray structure determination of a constitutively active glutamine amidotransferase mutant
	Lutz, Thomas	German	Munich Technical University, Germany	National Centre of Biotechnology (CNB), Madrid, Spain	Structure analysis of the CHD6 double chromodomain-H3K4me complex
	Mischo, Hannah	German	University of Seville, Spain	University of Oxford, UK	Implications of the DEAD-box helicase Sen1p in recombination
	Morath, Eva	German	London School of Hygiene and Tropical Medicine, London, UK	University of Wuerzburg, Germany	Understanding the protective immunity mechanisms induced by attenuated malaria parasites
	Poeter, Michaela	German	Institute of Ophthalmology, London, UK	Institute for Medical Biochemistry, Muenster, Germany	Effects of annexin A8 on the ultrastructural morphology of late endosomes
	Port, Fillip	German	Harvard Medical School, Boston, USA	Institute of Molecular Biology, Zurich, Switzerland	A full-genome RNAi screen to identify genes regulating Wnt secretion
	Schneeweiß, Clemens	German	University of Oxford, UK	Jacobs University Bremen, Germany	Production and Purification of soluble HLA-B44 in human 293T cells
	Schöpf, Barbara	German	Curie Institute, Paris, France	University of Zurich, Switzerland	Influence of mismatch repair on chromatin assembly
	Schumacher, Valérie Anne	German	Medical University of Vienna, Austria	Heinrich-Heine University, Duesseldorf, Germany	RNA granules in podocyte foot processes: an adaptive mechanism to maintain cell architecture?
	Schwager, Evelyn	German	University Museum of Zoology, Cambridge, UK	University of Cologne, Germany	Investigating the segmentation function of a hunchback orthologue in the spider <i>Achaearanea tepidariorum</i>
Streitner, Corinna	German	University of Dundee, UK	Bielefeld University, Germany	Comprehensive investigation of alternative pre-mRNA splicing events controlled by the glycine-rich single RRM proteins AtGRP7 and AtGRP8	

	name	nationality	host laboratory	home laboratory	research interest
Germany (cont.)	Titz, Alexander	German	University of Natural Resources and Applied Life Sciences, Vienna, Austria	Institute of Microbiology, Zurich, Switzerland	Quest for the molecular basis of CGL2-mediated toxicity: structural characterization of the glycome of a mushroom galectin resistant <i>C. elegans</i> strain with mutation in a predicted glycosyltransferase gene
	Zakrzewski, Anne	German	Max F. Perutz Laboratories, Vienna, Austria	Free University Berlin, Germany	Molecular analysis of bristle formation in lophotrochozoan animals
	Zick, Michael	German	Institut de Biochimie et Génétique Cellulaires (I.B.G.C), Bordeaux, France	Adolf-Butenandt-Institut for Physiological Chemistry, Munich, Germany	Mitochondrial dynamics in NARP mutant cells and metabolic compensation mechanisms
Greece	Arvanitis, Constandina	Greek	University of Liège, Belgium	University Paul Sabatier Toulouse III, France	EphrinB1 and miR-195 interplay in corticogenesis
	Boikoglou, Eleni	Greek	University of Chicago, USA	Max Planck Institut for Plant Breeding Research, Cologne, Germany	Genomic and developmental response to artificial selection of a molecular output of the circadian clock
	Giannos, Ioannis	Greek	European Molecular Biology Laboratory (EMBL), Heidelberg, Germany	University of Ioannina, Greece	Analysis of LBR mutants <i>in vivo</i>
	Ionnadis, Nilolaos	Greek	Washington State University, Pullman, USA	University of Crete, Heraklion, Greece	The effect of putrescine (polyamine) on the thylakoidal proton motive force <i>in vivo</i> and <i>in vitro</i>
	Karkoulia, Eleni	Greek	MRC Molecular Haematology Unit, Oxford, UK	Institute of Molecular Oncology, Athens, Greece	<i>In vitro</i> differentiation of biotin tag GATA-1 knock-in ES cells towards haematopoietic lineages
	Kontaki, Haroula	Greek	Leiden University Medical Center, Leiden, The Netherlands	B.S.R.C. Alexander Fleming Institute, Athens, Greece	Global analysis of Set9-occupied genes by ChIP-sequencing
	Sarafidou, Theologia	Greek	University of Bath, UK	University of Thessaly, Larissa, Greece	Generation of a Fra10ac1 knockout mouse model
Hungary	Heéger, Zsófia	Hungarian	University of Pisa, Italy	Eötvös Loránd University, Budapest, Hungary	Examination of the intracellular bacterial spectra of free-living amoebae by molecular methods
	Merai, Zsuzsanna	Hungarian	CNRS, Gif-sur-Yvette, France	Agricultural Biotechnology Center, Gödöllő, Hungary	Subcellular localization of nonsense mediated mRNA decay factors in plants
	Schlett, Katalin	Hungarian	University of Stuttgart, Germany	Eötvös Loránd University, Budapest, Hungary	Protein kinase D (PKD) mediated actin remodelling in neurons: identification of the phosphatase Slingshot as a potential downstream target of PKD

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	name	nationality	host laboratory	home laboratory	research interest
Ireland	Coughlan, Lynda	Irish	Catalan Institute of Oncology (ICO), Barcelona, Spain	Cancer Research UK, London, UK	Characterisation of an a v b 6-retargeted, blood factor binding ablated Adenovirus; hepatocyte binding, hepatotoxicity and <i>in vivo</i> biodistribution
	Keeney, Michael	Irish	Radboud University Nijmegen Medical Center, The Netherlands	National University of Ireland, Galway, Ireland	Development of non-viral loaded collagen/ calcium phosphate scaffolds for bone tissue engineering
Israel	Halaf, Bracha	Israeli	Johannes Kepler University, Linz, Austria	Weizmann Institute of Science, Rehovot, Israel	Use of transport receptor mimics in single molecule fluorescence studies to explore the NPC's selectivity barrier
	Hayouka, Zvi	Israeli	MRC Laboratory of Molecular Biology, Cambridge, UK	The Hebrew University of Jerusalem, Israel	Quantitative characterization of the oligomerization equilibrium of HIV-1 Integrase and its modulation by peptide inhibitors
	Kler, Stanislav	Israeli	University of Oklahoma, Oklahoma City, USA	The Hebrew University of Jerusalem, Israel	Effect of nucleic acid scaffold on assembly of SV40 capsid
	Mattout, Anna	Israeli	Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland	The Hebrew University of Jerusalem, Israel	Influence of laminopathic mutations on gene regulation and chromatin organization in <i>C. elegans</i>
	Moran, Yehu	Israeli	University of Vienna, Austria	Tel Aviv University, Israel	Occurrence and localization of neurotoxins and the transcripts encoding them in the cnidarian F145
	Nousbeck, Janna	Israeli	University of Cologne, Germany	Technion Institute, Haifa, Israel	To identify and characterize genetic factors affecting the response of psoriasis to phototherapy
	Yaroslavitz, Carmit	Israeli	University of Regensburg, Germany	The Mina and Everard Goodman Faculty of Life Sciences, Ramat-Gan, Israel	Role of the yeast linker histone in the rDNA transcription process
Italy	Arnoldi, Francesca	Italian	John Innes Centre, Norwich, UK	International Centre for Genetic Engineering and Biotechnology (ICGEB), Padriciano (Trieste), Italy	Does the interaction of the rotavirus nonstructural protein NSP5 with the polymerase VP1 affect the replicase function?
	Autore, Flavia	Italian	Guy's Hospital, London, UK	University of Naples Federico II, Italy	APOBEC3G and HIV-1 Vif binding determinants
	Baldanzi, Gianluca	Italian	Bart's and The London School of Medicine and Dentistry, London, UK	University 'A. Avogadro', Novara, Italy	Diacylglycerol kinase alpha, a master regulator of phospholipid signalling?

	name	nationality	host laboratory	home laboratory	research interest
Italy (cont.)	Benvenuto, Giovanna	Italian	European Molecular Biology Laboratory (EMBL), Heidelberg, Germany	Zoological Station 'Anton Dohrn', Naples, Italy	Chromatin binding analysis of the DET1/DDB1 complex
	Cabianca, Daphne	Italian	University of Queensland, Brisbane, Australia	Vita-Salute San Raffaele University, Milan, Italy	An RNA potentially regulating 4q35 gene expression and chromatin structure in facioscapulohumeral muscular dystrophy (FSHD)
	Ceccato, Luca	Italian	Heinrich Heine University, Duesseldorf, Germany	University of Milan, Italy	4D analysis of auxin distribution in ovule patterning in <i>Arabidopsis</i>
	Cerrato, Flavia	Italian	Biotech Research and Innovation Centre (BRIC), Copenhagen, Denmark	Second University of Naples, Caserta, Italy	Determining the role of the epigenetic regulatory factors in the maintenance of genomic imprinting and identifying environmental factors that can interfere with it
	Colombo, Bilitis	Italian	Heinrich Heine University, Duesseldorf, Germany	University of Milan, Italy	Function of BPC proteins in the establishment of the histone core at the STK locus
	Crema, Silvia	Italian	Johannes Gutenberg University Mainz, Germany	University of Bologna, Italy	Genetic variability and speciation dynamics in the rare and endemic species <i>Primula apennina</i> Widmer (sect. <i>Auricula</i>) detected by ISSR and AFLP markers
	Damiano, Laura	Italian	Leiden University, The Netherlands	University of Turin, Italy	<i>In vivo</i> imaging and mammary epithelial cells transplanation to investigate the role of p140Cap as tumour suppressor
	d'Avenia, Morena	Italian	Hubrecht Institute, Utrecht, The Netherlands	University of Salerno, Fisciano (Salerno), Italy	AIR: a new gene sequence that regulates apoptosis
	Di Micco, Simone	Italian	Burnham Institute for Medical Research, La Jolla, USA	University of Salerno, Fisciano (Salerno), Italy	Characterization of putative Bcl-X _L antagonists by using biophysical approaches and cell-based assays
	Di Stefano, Paola	Italian	University of Edinburgh, UK	University of Torino, Italy	Role of p140Cap in the dynamic processes that control E-cadherin, EGFR signalling and actin polymerisation
	Fedito, Paola	Italian	University of Cambridge, UK	University of Padova, Italy	<i>Arabidopsis</i> RNAi involved in abiotic stresses
	Ferrai, Carmelo	Italian	MRC Clinical Sciences Centre, London, UK	Dept. Biological and Technological Research, Milan, Italy	Role of actin polymerization in the induction of HoxB cluster genes by retinoic acid
	Guariento, Mara	Italian	University of Glasgow, UK	University of Verona, Italy	Characterization of the binding properties of a new ileal bile acid-binding protein through calorimetric and fluorescence measurements

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	name	nationality	host laboratory	home laboratory	research interest
Italy (cont.)	Leo, Sara	Italian	Imperial College, London, UK	University of Ferrara, Italy	PML regulation of insulin release
	Lepore, Marco	Italian	Basel University Hospital, Basel, Switzerland	DIBIT, San Raffaele Scientific Institute, Milan, Italy	Identification of self-lipid antigens stimulating self-reactive CD1-restricted T cells
	Locascio, Antonella	Italian	Polytechnic University of Valencia, Spain	University of Padova, Italy	Definition of a plant-virus model to study symbiotic adaptation and development of a new cloning vector for rapid and efficient plant transformation
	Lombardi, Loredana	Italian	Erasmus Medical Center, Rotterdam, The Netherlands	University of Rome, Italy	Axonal growth and cytoskeleton dynamics in autonomic motoneurons of wild type and dystrophic mdx mice
	Marro, Samuele	Italian	University of Heidelberg, Germany	University of Turin, Italy	Role of miRNAs in haem-mediated post-transcriptional regulation of ferroportin expression
	Minetti, Giulia Claudia	Italian	UCSD School of Medicine, San Diego, USA	European Brain Research Institute (EBRI), Rome, Italy	ChIP-based wide genome analysis to identify the epigenetic profile of deacetylase inhibitor-sensitive muscle stem cells
	Montanari, Roberta	Italian	University of Leicester, UK	Crystallography Institute, Rome, Italy	Cloning and expression of nuclear receptors cofactors and study of their binding to PPARs, in the presence of partial and full agonists, by biochemical techniques and isothermal titration calorimetry
	Orioli, Andrea	Italian	Max Planck Institute of Biochemistry, Martinsried, Germany	University of Parma, Italy	Testing the potential of AluRNAs in post-transcriptional gene silencing
	Orioli, Donata	Italian	University Louis Pasteur, Illkirch, France	Institute of Molecular Genetics, Pavia, Italy	Identification of the molecular mechanisms leading to COL6A1 and MMP1 transcriptional alterations in trichothiodystrophy
	Piazzini, Manuela	Italian	University of Manchester, UK	University of Bologna, Italy	Proteome biology of stem cells related to nuclear inositolide-dependent PLCbeta 1 signalling
Rainero, Elena	Italian	Beatson Institute for Cancer Research, Glasgow, UK	University of Piemonte, Novara, Italy	Role of DGKα in beta-1 integrin trafficking in cell migrating in 3D collagen gel	
Silva, Nicola	Italian	University of Sheffield, UK	University of Naples "Federico II", Italy	Structural analysis of chromosomal alterations in DNA repair mutant of <i>C. elegans</i>	

	name	nationality	host laboratory	home laboratory	research interest
The Netherlands	Hut, Roelof	Dutch	University of Virginia, Charlottesville, USA	University of Groningen, Haren, The Netherlands	Day length responses in the molecular circadian clockwork of the rat suprachiasmatic nucleus
	Smit, Jenny	Dutch	University of Leeds, UK	Bijvoet Center for Biomolecular Research, Utrecht, The Netherlands	LDL-A folding: a multidisciplinary approach
	te Welscher, Yvonne	Dutch	University of Alberta, Edmonton, Canada	University of Utrecht, The Netherlands	Using the specific sterol binding antibiotic natamycin as an important tool to gain more insight into the role of sterols in vacuolar fusion
	van Beijnum, Judy	Dutch	University of Helsinki, Finland	Maastricht University Hospital, Maastricht, The Netherlands	High throughput functional validation of tumour angiogenesis genes
Norway	Utskarpen, Audrun	Norwegian	Harvard Medical School/ CBRI, Boston, USA	The Norwegian Radium Hospital, Oslo, Norway	Application of live cell imaging to study how Shiga toxin induces recruitment of clathrin and other components to the plasma membrane
Poland	Banaszak, Katarzyna	Polish	Louisiana State University, Baton Rouge, USA	Polish Academy of Sciences, Poznan, Poland	Biochemical studies of rabbit muscle phosphofructokinase
	Bregier, Cezary	Polish	University of Georgia, Athens, USA	Nencki Institute of Experimental Biology - Polish Academy of Science, Warsaw, Poland	The role of phospho-ucin-like proteins (PhLPs) as regulators of tubulin folding and assembly of microtubules in <i>Tetrahymena</i> cells
	Janicka, Sabina	Polish	Institute of Plant Molecular Biology, Strasbourg, France	Adam Mickiewicz University, Poznan, Poland	Characterization of AtWhy2 and SBP18 proteins purified by affinity to promoter region of mitochondrial atp9 gene
	Ponczek, Michal	Polish	University of California, San Diego, La Jolla, USA	University of Lodz, Poland	Studies on the sequences of published trace DNA to localize and analyse genes for clotting proteins of chordata, the evolutionary and functional aspects
	Puton, Tomasz	Polish	Centre for Integrative Bioinformatics (IBIVU), Amsterdam, The Netherlands	Adam Mickiewicz University, Poznan, Poland	Statistical geometry analysis of tRNA and its post-transcriptional modifications in the context of molecular recognition
	Rucinski, Marcin	Polish	University of Padova, Italy	Poznan University of Medical Sciences, Poznan, Poland	Studies on involvement of cerebellins in regulation of growth and secretory activity of the rat adrenocortical and calvaria osteoblast-like cells in primary culture

short-term fellowship awards 2008

	name	nationality	host laboratory	home laboratory	research interest
Poland (cont.)	Surma, Michal	Polish	University of California, San Francisco, USA	Max-Planck-Institute of Molecular Cell Biology and Genetics, Dresden, Germany	Analysing the function and organization of the yeast post-Golgi secretory pathway by epistatic miniarray profiling (E-MAP)
	Wlodarczyk, Jakub	Polish	University Medical Center, Geneva, Switzerland	Nencki Institute, Warsaw, Poland	Dynamic and morphology of dendritic spines in response to MMP-9 stimuli
Portugal	Almeida, Silvia	Portuguese	Institute for Animal Health Pirbright Laboratory, Pirbright, Woking, UK	Calouste Gulbenkian Foundation, Oeiras, Portugal	African swine fever virus gene I329L, a candidate gene for production of an ASFV virus deletion vaccine
	Barata, Lidia	Portuguese	European Molecular Biology Laboratory (EMBL), Hamburg, Germany	University of Lisbon, Portugal	Structural study of <i>Leishmania infantum</i> enzymes involved in the methylglyoxal metabolism
	Carvalho, Joana	Portuguese	VU University Medical Center, Amsterdam, The Netherlands	Institute of Molecular Pathology and Immunology, University of Porto, Portugal	Involvement of microRNAs in gastric cancer
	Gouveia, Susana	Portuguese	Paul Scherrer Institut, Villigen, Switzerland	Erasmus Medical Center, Rotterdam, The Netherlands	Characterization of the interaction between DDA3 and microtubule end-binding proteins
	Leal, Filipe	Portuguese	European Molecular Biology Laboratory (EMBL), Heidelberg, Germany	Calouste Gulbenkian Foundation, Oeiras, Portugal	Regulation of SAK/Plk4 activity in centrosome biogenesis
	Teixeira da Rocha, Simao Jose	Portuguese	University of Copenhagen, Denmark	University of Cambridge, UK	The role of H3K4 histone demethylases in the process of X-inactivation
Slovak Republic	Bôziková, Alexandra	Slovak	Uppsala University, Sweden	University of Preov, Slovak Republic	Study of the genetic basis of complex diseases
	Kulich, Ivan	Slovak	University of Tel Aviv, Israel	Charles University, Prague, Czech Republic	Interactions of ICR homologues with small GTPases of Rho family
	Ostatná, Veronika	Slovak	Max Planck Institute for Biophysical Chemistry, Goettingen, Germany	Institute of Biophysics of Academy of Sciences of the Czech Republic, Brno, Czech Republic	Aggregation of wild type and mutant forms of alpha-synuclein in Parkinson's disease as detected by electrochemical methods
Spain	Agirre, Jon	Spanish	Institute of Structural Biology Jean-Pierre Ebel, Grenoble, France	Biophysics Centre, Leioa, Spain	Structural studies of Triatoma virus (dis)assembly intermediates and their relationship to the viral cycle
	Barroso, Sonia	Spanish	University of Oxford, UK	Andalusian Centre for Molecular Biology and regenerative Medicine (CABIMER), Sevilla, Spain	Transcription-associated recombination in human cells depleted of THOC1

	name	nationality	host laboratory	home laboratory	research interest
Spain (cont.)	Bejarano Fernández, Eloy	Spanish	Curie Institute, Paris, France	Andalusian Molecular Biology and Regenerative Medicine Centre (CABIMER), Sevilla, Spain	<i>In vivo</i> dynamics of Golgi-associated GMAP-210 protein. Role of C-terminus and N-terminus of GMAP-210 in the architecture of the mammalian Golgi complex
	Caparros, Esther	Spanish	Medical Research Council, Cambridge, UK	Institute of Neurosciences (CSIC-UMH), San Juan, Alicante, Spain	Notch signalling and epigenesis in cancer
	Carballido-Lopez, Rut	Spanish	Max-Planck-Institut of Biochemistry, Martinsried, Germany	French National Institute for Agricultural Research (INRA), Jouy-en-Josas, France	Organization and dynamics of the bacterial actin-like cytoskeleton
	Clemente Ramos, Jose Angel	Spanish	Swiss Institute for Experimental Cancer Research, Epalinges, Switzerland	University of Salamanca, Spain	Role of the essential glucan synthase subunit Bgs1p in the novel link between the septation initiation network (SIN) and the establishment of growth polarity
	De La Puerta Turrillas, María Luisa	Spanish	University of Birmingham, UK	Institute of Molecular Biology and Genetics (IBGM), Valladolid, Spain	Regulation of GPVI signalling in platelets by the structurally distinct non- transmembrane tyrosine phosphatases Lyp and Shp1
	Encinar Del Dedo , Javier	Spanish	University of Edinburgh, UK	Institute of Biochemical Microbiology (CSIC/USAL), Salamanca, Spain	Reorganization of cytoplasmic microtubule organising centres during fission yeast mating
	Esteban-Martin, Santiago	Spanish	University of Karlsruhe, Germany	University of Valencia, Spain	Determining orientation and dynamics of a model monomeric membrane peptide using PISEMA NMR data
	García Rubio, María Luisa	Spanish	Campus IFOM-IEO, Milan, Italy	Andalusian Center for Molecular Biology and Regenerative Medicine (CABIMER), Seville, Spain	Genome-wide occupancy of mRNP-biogenesis factors as a function of genome transcription and replication
	Gasull, Xavier	Spanish	Institute of Molecular and Cellular Pharmacology, Valbonne, France	University of Barcelona, Spain	Acid sensing ion channels (ASICs) and associated proteins in nociception
	Giner Rubio, Ana	Spanish	Agricultural Biotechnology Center, Gödöllő, Hungary	Molecular Biology Institute (IBMB-CSIC), Barcelona, Spain	Biological and biochemical characterization of the viral silencing suppressor activity of SPMMV
	Guadix Dominguez, Juan Antonio	Spanish	Western General Hospital, Edinburgh, UK	University of Malaga, Spain	Functional targets of Wt1 in heart development: modulation of retinoic acid signalling
	Gutierrez, Alvaro	Spanish	Mount Sinai School of Medicine, New York, USA	University Complutense of Madrid, Spain	Characterization of the transcription factor network regulate by p38 alpha

short-term fellowship awards 2008

	name	nationality	host laboratory	home laboratory	research interest
Spain (cont.)	Herrero-González, Sandra	Spanish	Collège de France – INSERM 840, Paris, France	University of Salamanca, Spain	Effects of connexin43 on astrocytes proliferation and glucose uptake in model of brain injury and conditional connexin43 knock-out mice
	Jimenez, Beatriz	Spanish	Imperial College London, UK	The Prince Felipe Research Centre (CIPF), Valencia, Spain	Assessment of post-transplantation liver function
	Jimenez-Cabre, Elisa	Spanish	University of Aarhus, Denmark	University Complutense of Madrid, Spain	The study of hydrophobic surfactant proteins interaction with lipid vesicles using quartz crystal microbalances
	Joan, Teyra	Spanish	University of Granada, Spain	Dresden University of Technology, Dresden, Germany	Thermodynamic analysis of the Interleukin 16 recognition properties
	López, Noelia	Spanish	University of St Andrews, UK	Spanish National Centre for Biotechnology (CNB), Madrid, Spain	Key factors involved in the formation and function of Bunyavirus' viral factory: virus-host interactions
	Lucía Quintana, Ainhoa	Spanish	Global Health Institute - EPFL, Lausanne, Switzerland	University of Zaragoza, Spain	Insights into the function of the receptor domain of the essential protein kinase PknB from <i>M. tuberculosis</i>
	Lujambio, Amaia	Spanish	The Netherlands Cancer Institute, Amsterdam, The Netherlands	Spanish National Cancer Research (CNIO), Madrid, Spain	Epigenetic regulation mediated by microRNAs
	Macho, Alberto	Spanish	INRA, Castanet-Tolosan (Toulouse), France	University of Málaga, Spain	Applying competitive index assays to the genetic analysis of molecular components participating in the interaction of <i>Ralstonia solanacearum</i> with the plant
	Madrazo Toca, Fidel	Spanish	Marseille Luminy Immunology Centre, (CIML), Marseille, France	University Hospital "Marques de Valdecilla", Santander, Spain	Role of liosomal proteases in <i>Mycobacterium</i> phagosome maturation
	Marsal Teres, Maria	Spanish	European Molecular Biology Laboratory (EMBL), Heidelberg, Germany	Spanish National Research Council (CSIC), Barcelona, Spain	Role of the JNK signalling cascade in the control of cell movements involved in the expansion of the lateral line during Zebrafish embryogenesis
	Mata Cabana, Alejandro	Spanish	Imperial College of Science, London, UK	Institute of Plant Biochemistry and Photosynthesis, Seville, Spain	Redox regulation of the FtsH protease in the cyanobacterium <i>Synechocystis</i> sp. <i>PCC 6803</i>
	Mellén, Marian	Spanish	University of Rome, Italy	Centre of Biological Research (CIB), Madrid, Spain	Is autophagy regulating cell death, proliferation and neurogenesis in the developing retina? A comparative study using Ambra1 gt/gt mouse model

	name	nationality	host laboratory	home laboratory	research interest
Spain (cont.)	Moreno, Renata	Spanish	University Louis Pasteur, Strasbourg, France	Spanish National Research Council (CSIC), Madrid, Spain	Characterization of the complex formed by the Crc global regulator and its RNA target
	Navarro-Nuñez, Leyre	Spanish	Hospital Xavier Arnoz, Pessac, France	University of Murcia, Spain	Study of platelet ultrastructure in TUBB1 Q43P polymorphism carriers
	Orozco, Helena	Spanish	Gothenburg University, Sweden	University of Valencia, Burjassot, Spain	Carbon source regulation of mRNA translation efficiency by the mRNA binding proteins Pub1 and Ngr1
	Parra-Peralbo, Esmeralda	Spanish	MRC Centre for Developmental Neurobiology, London, UK	Pablo de Olavide University, Seville, Spain	The role of LRP1 and TGF-beta signalling during the development of <i>Drosophila</i> embryonic nervous system
	Polo Hernández, Erica	Spanish	Institute Stem Cell Research, Neuherberg (Munich), Germany	University of Salamanca, Spain	Role of the oleic acid in the central nervous system development
	Rivera,	Spanish	Rockefeller University, New York, USA	Spanish National Cancer Research Centre (CNIO), Madrid, Spain	Role of shugoshin in spindle assembly
	Varela Sanz, María Elisa	Spanish	Cancer Research UK, London, UK	Friedrich Miescher Institute, Basel, Switzerland	Understanding cohesion establishment and its impact on nuclear organization
	Zajac, Magdalena	Spanish	Yale University School of Medicine, New Haven, USA	Spanish National Cancer Research Centre (CNIO), Madrid, Spain	Identification of novel genes involved in DNA damage response in hereditary breast cancer cells
Sweden	Lindqvist, Arne	Swedish	University of Porto, Portugal	University Medical Center, Utrecht, The Netherlands	Effect of centrosome ablation for checkpoint recovery
Switzerland	Hänzi, Barbara	Swiss	University of Texas, Dallas, USA	Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland	Role of Memo in FGF23/FGFR1/klotho signalling in the kidney
	Maillard, Julien	Swiss	IBCG-CNRS, Toulouse, France	ENAC-ISTE, Lausanne, Switzerland	Three trigger factors in <i>Desulfotobacterium</i> : redundancy and/or substrate specificity
Turkey	Erdal, Esra	Turkish	INSERM 309, Grenoble, France	Dokuz Eylul University, Izmir, Turkey	Role of histone modification in lithium- induced growth inhibition of hepatocellular carcinoma cells
	Guran, Tulay	Turkish	University of Cambridge, UK	Marmara University Hospital, Istanbul, Turkey	Cellular and genetic elucidation of a novel insulin signalling defect in a large kindred with severe insulin resistance
	Balci, Hamza	Turkish	Ludwig Maximilians University, Munich, Germany	University of Illinois, Urbana, USA	DNA and ATP binding activities of Rad50 during DNA double strand break repair

short-term fellowship awards 2008

	name	nationality	host laboratory	home laboratory	research interest
Turkey (cont.)	Yaras, Nazmi	Turkish	University of Cambridge, UK	Akdeniz University, Antalya, Turkey	Expression of ryanodine receptors in the plasma membrane of pancreatic beta-cells
United Kingdom	Brian, Jayne	British	University of Florida, Gainesville, USA	Brunel University, Uxbridge, UK	Exploring the molecular basis of estrogenic mixture effects
	Daniels, Craig	British	Imperial College London, UK	Zaidin Experimental Station (SCIC), Granada, Spain	Structural determination of TtGR-DNA interactions during multi-drug efflux pump regulation
	Gsponer, Joerg	British	University of California, San Francisco, USA	MRC Laboratory of Molecular Biology, Cambridge, UK	Ca ²⁺ Signalome: structural mapping of the Ca ²⁺ -sensor network
	Hall, Jacqueline	British	German Cancer Research Centre, Heidelberg, Germany	McGill University, Montréal, Canada	A novel model of epithelial luminal breast cancer progression and interactions with the local microenvironment
	Hasan, Uzma	British	Yale School of Medicine, New Haven, USA	IARC International Agency for Research on Cancer, Lyon, France	The localization and association of TLR9 regulation by high risk types of human papillomavirus and viral persistence
	McPhee, Helen	British	The University of Auckland, New Zealand	University of Durham, UK	Examination of protein-lipid arrays by cryo-electron microscopy
	Nisbet, Ellen	British	University of Melbourne, Australia	University of Cambridge, UK	tRNA import to the <i>Plasmodium</i> mitochondrion
	Sonnen, Andreas	British	Max Planck Institute of Biochemistry, Munich, Germany	University of Oxford, UK	Investigating the mechanism of pore-formation by perforin and cholesterol-dependent cytolysins employing cryo-electron tomography
	Whittle, Andrew	British	University of Iowa, Iowa City, USA	University of Cambridge, UK	Effect of BMP8b overexpression and ablation on sympathetic stimulation of brown and white adipose tissue depots
other nationalities	Kim, Hyun (Joy)	American	The Scripps Research Institute, La Jolla, USA	Stockholm University, Sweden	Membrane protein subunit interaction of oligosaccharyltransferase in yeast
	Bazzini, Ariel	Argentinian	Max Planck Institute for Molecular Plant Physiology, Potsdam-Golm, Germany	Instituto Nacional de Tecnología Agropecuaria (INTA), Buenos Aires, Argentina	Comprehensive metabolic and miRNA profiling during plant viral infection
	Caimi, Karina Cnynthia	Argentinian	Veterinary Laboratories Agency, Weybridge, UK	Instituto Nacional de Tecnología Agropecuaria (INTA), Buenos Aires, Argentina	<i>In vivo</i> transcriptomic analysis of <i>Mycobacterium bovis</i> isolates
	Chorny, Alejo	Argentinian	University of Edinburgh, UK	Institute of Parasitology and Biomedicine, Granada, Spain	Induction of IL-10-producing B cells by neuropeptides

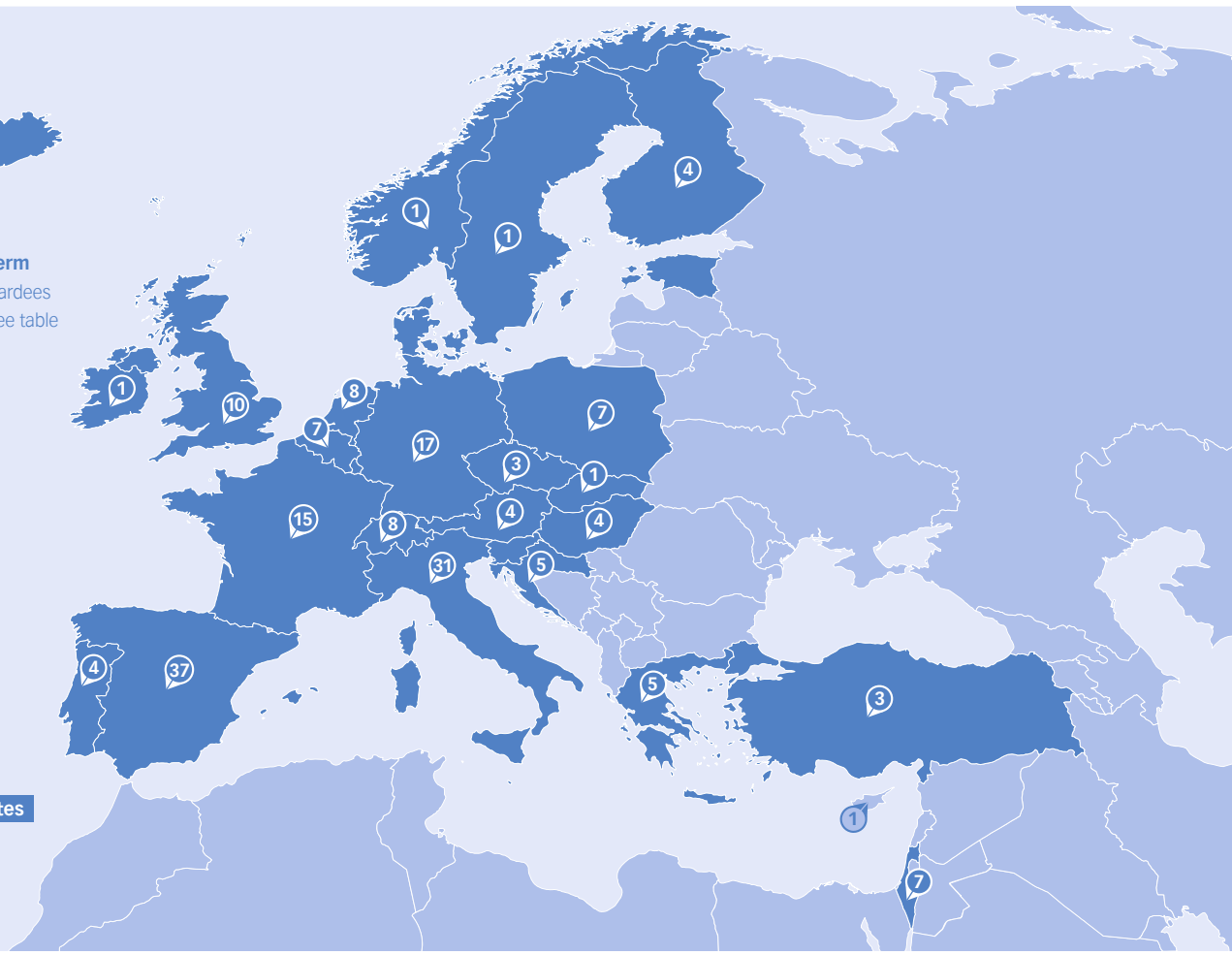
	name	nationality	host laboratory	home laboratory	research interest
other nationalities (cont.)	Correa Aragunde, Maria Natalia	Argentinian	University of Verona, Italy	National University of Mar del Plata, Argentina	Proteomic of S-nitrosylated proteins induced by auxin during lateral root development in <i>Arabidopsis</i>
	Giudice, Jimena	Argentinian	Max Planck Institute for Biophysical Chemistry, Goettingen, Germany	University of Buenos Aires, Argentina	Dynamics of insulin receptor and its ligand at high spatio and temporal resolution
	Luján, Adela Maria	Argentinian	Technical University of Denmark, Lyngby, Denmark	National University of Cordoba, Argentina	Involvement of MutS in quorum sensing (lasR) deficient variants biofilm formation
	Taverna Porro, Marisa Lía	Argentinian	Sapienza University, Rome, Italy	Institute for Research in Genetic Engineering and Molecular Biology (INGEBI), Buenos Aires, Argentina	Structure prediction and rational engineering of phosphopentomutase (PPM) from <i>E. coli</i>
	Zurbriggen, Matias D.	Argentinian	Leibniz Institute of Plant Genetics and Crop Plant Research, Gatersleben, Germany	Rosario National University, Argentina	Gene expression profiling of drought tolerant transgenic potato plants expressing a cyanobacterial flavodoxin
	Manova, Vasilissa	Bulgarian	University of Duisburg-Essen Medical School, Essen, Germany	Institute of Genetics, Sofia, Bulgaria	Efficiency of backup NHEJ in relation to chromatin structure
	Weljie, Aalim	Canadian	University of Cambridge, UK	University of Calgary, Alberta, Canada	Characterization of early stage metabolic perturbations in a rat model of hepatocellular carcinogenesis
	Sandoval, Pablo	Chilean	University of Montpellier, France	University of Chile, Santiago, Chile	Function of Ath1a, Sox2 and NeuroD in the regeneration process of hair cells in the zebrafish lateral line
	Bello Gil, Daniel	Cuban	Institute of Cellular and Molecular Biology, Alicante, Spain	Cuban Research Institute on Sugarcane By-Products (ICIDCA), Havana, Cuba	Structural and functional characterization of PhaZ depolymerase from <i>Pseudomonas putida</i> KT2442
	Campos, Javier	Cuban	The Netherlands Centre for Infectious Diseases Control, Bilthoven, The Netherlands	National Center of Scientific Investigations (CNIC), Havana, Cuba	Overproduction of <i>Bordetella pertussis</i> fimbriae for its use as an antigenic component of acellular vaccines
Charalambous, Despina	Cypriot	Catholic University of Leuven, Belgium	University of Cyprus, Nicosia, Cyprus	Functional characterization of motor protein KIF1B beta: a contribution to the molecular analysis of motor neuron disease	
Castillo Lizardo, Melissa Gissel	Honduran	IFREMER, Plouzane, France	University of Malaga, Spain	Replication slippage promoted by the hyperthermophilic <i>Euryarchaeota</i> <i>Pyrococcus abyssi</i>	

short-term fellowship awards 2008

	name	nationality	host laboratory	home laboratory	research interest
other nationalities (cont.)	Maurya, Ashish	Indian	European Molecular Biology Laboratory (EMBL), Heidelberg, Germany	Institute of Molecular and Cell Biology, Singapore	Upstream regulators of zebrafish engrailed gene expression
	Ray Chaudhuri, Arnab	Indian	London Research Institute, UK	University of Zurich, Switzerland	Uncovering the structural determinants of DNA replication stress induced by topoisomerase inhibition in <i>Xenopus</i> oocyte extracts
	Sai Sankar Gupta, Karthick Babu	Indian	Laboratory of Physical Chemistry, Zurich, Switzerland	Leiden University, The Netherlands	Spin torch experiments with ¹³ C photo-CIDNP MAS NMR
	Sen, Sonia	Indian	University of Basel, Switzerland	Tata Institute of Fundamental Research, Bangalore, India	Role of empty spiracles in the development of <i>Drosophila</i> olfactory receptor neurons
	Nyambega, Benson	Kenyan	Centre for Molecular Biology (ZMBH), Heidelberg, Germany	Maseno University, Kisumu, Kenya	Functional analysis of selected trans-splicing proteins in <i>Trypanosoma brucei</i>
	Bechara, Elias Georges	Lebanese	Martin-Luther-University Halle, Germany	Institut of Molecular and Cellular Pharmacology (IPMC), Valbonne, France	Role of fragile X mental retardation protein (FMRP) in the spatial regulation of translation of its mRNA targets
	Ghanem, Esther	Lebanese	University of Southampton, UK	Jacobs University, Bremen, Germany	Recognition of peptide-bound MHC class I molecules by the cell – a novel assay by cytofluorimetry
	Chan, Way	Malaysian	Centre of Biological Research (CIB), Madrid, Spain	University of Malaya, Kuala Lumpur, Malaysia	The genetic regulation of yefM-yoeBSpn toxin-antitoxin loci of <i>Streptococcus pneumoniae</i>
	Borg, Joseph	Maltese	Erasmus Medical Center, Rotterdam, The Netherlands	University of Malta, Msida, Malta	Genome-wide linkage analysis in a rare maltese family with unlinked beta-globin hereditary persistence of foetal haemoglobin
	Bakkali Kassemi, Lamia	Moroccan	Max Planck Institute of Psychiatry, Munich, Germany	University Abdel Malek Essaadi, Te'touan, Morocco	The signal transduction mechanism of cannabinoid receptors in hypothalamus: involvement of endocannabinoids on regulation of feeding behaviour
	Ayeotan (nee Iwakun), Temitope	Nigerian	University of Stockholm, Sweden	University of Ibadan, Nigeria	Specific inhibition of calcium pump by kolaviron, a biflavonoid complex purified from seeds of <i>Garcinia kola</i>
	Obasuyi, Osahon	Nigerian	University of Patras, Greece	University of Benin, Nigeria	Application of molecular typing methods for studying methicillin-resistant <i>Staphylococcus aureus</i> infections

	name	nationality	host laboratory	home laboratory	research interest
other nationalities (cont.)	Csorba, Tiberiu Levente	Romanian	University of Dundee, UK	Agricultural Biotechnology Center, Gödöllő, Hungary	Identification of endogenous and antiviral RISC complex component proteins in plants
	Gala, Ruxandra Ana	Romanian	University of Florida, Gainesville, USA	UMR GenHort, INRA, Beaucouzé, France	Study of rose candidate gene for flowering character by genetic transformation in <i>Fragaria</i>
	Kostareva,	Russian	Innsbruck Medical University, Austria	Russian Academy of Sciences, Pushchino, Russian Federation	Kinetic studies of the interaction of ribosomal protein L1 and its mutant forms with specific fragments of mRNA and rRNA
	Polyansky, Anton	Russian	University of Groningen, The Netherlands	Russian Academy of Sciences, Moscow, Russian Federation	Molecular modelling of antimicrobial peptides in action
	Vasiliev, Nikita	Russian	Institute of Genetics, Strasbourg, France	Russian Academy of Sciences, Pushchino, Russian Federation	Crystallization of RNA-dependent RNA polymerase of bacteriophage Q beta
	Guan, Xueli	Singaporean	University of Geneva, Switzerland	National University of Singapore, Singapore	Functional interactions between sterols and sphingolipids in biological membranes
	Breus, Oksana	Ukrainian	University College London, UK	Institute of Molecular Biology and Genetics National Academy of Sciences of Ukraine, Kyiv, Ukraine	Identification of tyrosine phosphorylation sites on coenzyme A synthase (CoASy) which are essential for interactions with signalling proteins via SH2 domains
	Klimenko, Pavel	Ukrainian	European Molecular Biology Laboratory (EMBL), Monterotondo, Italy	Gerontology Institute Academy of Medical Sciences of Ukraine, Kiev, Ukraine	Analysis of the ability of K14 driven miGF-1 to promote wound healing using diabetic mice as a model for an altered inflammatory response and tissue repair


 Number of 2008
**EMBO Short-Term
 Fellowship** awardees
 by nationality (see table
 on page 119)



EMBC Member States

applications and awards 2000–2008

country from	applications	% of total	awards	% of total	success rate %
Austria	25	1	13	1	52
Belgium	56	2	37	2	66
Croatia	26	1	14	1	54
Czech Republic	62	2	35	2	56
Denmark	22	1	11	1	50
Estonia	3	0	2	0	67
Finland	27	1	19	1	70
France	198	7	122	8	62
Germany	205	7	115	7	56
Greece	117	4	64	4	55
Hungary	73	2	41	3	56
Iceland	12	0	7	0	58
Ireland	31	1	18	1	58
Israel	115	4	76	5	66
Italy	443	17	230	14	52
Luxembourg	0	0	0	0	0
The Netherlands	78	3	51	3	65
Norway	12	0	6	0	50
Poland	115	4	53	4	46
Portugal	56	2	32	2	57
Slovak Republic	4	0	3	0	75
Slovenia	33	1	15	1	45
Spain	475	16	261	16	55
Sweden	33	1	23	1	70
Switzerland	43	1	27	2	63
Turkey	65	2	25	2	38
United Kingdom	112	4	71	4	63
Eastern Europe	225	8	100	6	44
Others	263	9	123	8	47
Total	2929	100	1594	100	54

* Estonia joined the EMBC in 2006

** Luxembourg and the Slovak Republic joined the EMBC in 2007

applications and awards 1977–2008

year	applications	awards	success rate %
2008	395	213	54
2007	409	211	52
2006	393	194	49
2005	383	201	52
2004	301	167	55
2003	289	138	48
2002	252	170	67
2001	233	124	53
2000	274	176	64
1999	230	138	60
1998	279	143	51
1997	339	188	55
1996	316	180	57
1995	325	187	57
1994	369	203	55
1993	376	209	55
1992	351	213	61
1991	344	194	56
1990	346	211	61
1989	331	199	60
1988	351	211	60
1987	301	212	70
1986	309	215	70
1985	304	221	73
1984	320	226	71
1983	335	223	67
1982	321	213	66
1981	339	235	69
1980	357	242	68

year	applications	awards	success rate %
1979	344	243	71
1978	349	244	70
1977	294	213	72

EMBO short-term fellowships 2008: geographical distribution

applications	Nationality																								Total						
Destination	Austrian	Belgium	Croatian	Czech	Danish	Estonian	Finnish	French	German	Greek	Hungarian	Icelandic	Irish	Israeli	Italian	Luxembourgian	Dutch	Norwegian	Polish	Portuguese	Slovak	Slovenian	Spanish	Swedish	Swiss	Turkish	British	Eastern European nationalities	US-American/Canadian	Other nationalities	Total
Austria				1					2		2			2									1	2			2				12
Belgium								1							1								2				1		3	8	
Croatia																														0	
Czech Republic															1															1	
Denmark															1								2			1			1	5	
Estonia*																														0	
Finland	1							1		2	1						1												2	8	
France		1	2	1					1		1				5	1		1					15		2	1	2	2		3	38
Germany		2	1	1			1	4			2			3	8	1				1	1	1	4			1	2	3	2	8	46
Greece																													1	1	
Hungary																							1							1	
Iceland																														0	
Ireland																						1				1				2	
Israel				1																									1	2	
Italy		1									2						1		1				4			1	2		5	17	
Luxembourg**																														0	
Netherlands			1					2	1	1			1		6				1	1			1				1	3	1	19	
Norway											1																		1	2	
Poland													1														1	1		3	
Portugal								1									1						1							3	
Slovak Republic**																														0	
Slovenia																														0	
Spain	1							2	2				2		5												2	1	5	20	
Sweden								2			1				1						1		3				1		2	11	
Switzerland			1		1									2	1		2		1				3				1		3	15	
Turkey																														0	
UK	3	1	1	1			3	2	9	5	2			1	17		1		3	1			24		3	3		6	3	4	93
EMBL								1	1	1					2								1						1	9	
Eastern Europe																														0	
USA/Canada	1		1	3	2		1	8	7	2				3	9		5	2	4	1			11	1	2		5		1	69	
Others		2						1							1										1		5			10	
Total	6	7	7	8	3	0	5	22	26	11	12	0	4	11	58	0	13	2	11	6	2	2	73	1	10	6	20	18	6	45	395

*Estonia joined the EMBC in 2006 **Luxembourg and the Slovak Republic joined the EMBC in 2007

short-term fellowships 2008: geographical distribution

awards	Nationality																			Total											
	Destination	Austrian	Belgium	Croatian	Czech	Danish	Estonian	Finnish	French	German	Greek	Hungarian	Icelandic	Irish	Israeli	Italian	Luxembourgian	Dutch	Norwegian		Polish	Portuguese	Slovak	Slovenian	Spanish	Swedish	Swiss	Turkish	British	Eastern European nationalities	US-American/Canadian
Austria									2					2											1		1				6
Belgium							1																						1	2	
Croatia																														0	
Czech Republic																														0	
Denmark															1									1			1		1	4	
Estonia*																														0	
Finland																	1													1	
France		1	1						1		1				2				1					9	2	1		1	1	21	
Germany		2	1	1				4			1			2	5									3			1	1	2	5	28
Greece											1																		1	2	
Hungary																								1						1	
Iceland																														0	
Ireland																														0	
Israel				1																										1	
Italy		1									1						1	1						2				1	2	9	
Luxembourg**																														0	
Netherlands			1					2	1	1			1	3						1	1			1			1	2	15		
Norway																														0	
Poland																														0	
Portugal								1																						2	
Slovak Republic**																	1													0	
Slovenia																														0	
Spain	1						1	1						2													2		2	9	
Sweden																						1		1					1	3	
Switzerland														1	1	2			1					2				2	9		
Turkey																														0	
UK	2	1	1	1			3	1	8	2	1			1	13		1			1				12	3	2		1	1	1	56
EMBL								1	1						1									1					1	7	
Eastern Europe																														0	
USA/Canada	1		1		1		1	5	3					1	2		2	1	3					4	1	2		3		31	
Others		2													1												3			6	
Total	4	7	5	3	1	0	4	15	17	5	4	0	1	7	31	0	8	1	7	4	1	0	37	1	8	3	10	6	3	20	213

*Estonia joined the EMBC in 2006 **Luxembourg and the Slovak Republic joined the EMBC in 2007

EMBO young investigators 2008

name	nationality	institute	research interest
Fernández-Capetillo , Óscar	Spanish	CNIO, Madrid, Spain	DNA damage response
Gil , Jesús	Spanish	MRC Clinical Sciences Centre, London, UK	Regulators of senescence
Gotta , Monica	Italian/Swiss	University of Geneva, Switzerland	Asymmetric cell division
Hardingham , Giles	British	University of Edinburgh, UK	NMDA receptor signalling
Martin-Serrano , Juan	Spanish	King's College London, UK	HIV budding
Miska , Eric	German	Gurdon Institute, Cambridge, UK	Small RNA regulatory networks
Morillon , Antonin	French	CNRS, Gif sur Yvette, France	ncRNA-mediated gene silencing
Peters , Antoine	Dutch	Friedrich Miescher Institute, Basel, Switzerland	Epigenetic programming in germ cells
Sahai , Erik	British	Cancer Research UK, London	Cancer cell invasion
Schulze , Almut	German	Cancer Research UK, London	Akt kinase in cancer
Simons , Mikael	German	MPI for Experimental Medicine, Goettingen, Germany	Myelin biogenesis
So , Eric	British	The Institute of Cancer Research, London, UK	Transcriptional deregulation in leukaemia

EMBO installation grantees 2008

name	nationality	moving from	moving to	research interest
Anger, Martin	Czech	Academy of Sciences of the Czech Republic, Libechov	Academy of Sciences of the Czech Republic, Libechov	Chromosome segregation during meiosis
Gacser, Attila	Hungarian	Albert Einstein College of Medicine, New York, USA	University of Szeged, Hungary	<i>Candida</i> infectivity
Guzik, Tomasz	Polish	Emory University School of Medicine, Atlanta, USA	Jagiellonian University, Cracow, Poland	T-cells in hypertension
Jaks, Viljar	Estonian	University of Tartu, Estonia	University of Tartu, Estonia	Hedgehog signalling in liver stem cells
Kılıç, Ertuğrul	Turkish	University of Zurich, Switzerland	Yeditepe University, Istanbul, Turkey	Cholesterol transport and drug delivery
Outeiro, Tiago	Portuguese	Harvard Medical School, Boston, USA	Institute of Molecular Medicine, Lisbon, Portugal	Molecular basis of neurodegeneration
Sinka, Rita	Hungarian	MRC, Cambridge, UK	University of Szeged, Hungary	Spermatogenesis in <i>Drosophila</i>

EMBO young investigators 2000–2007

- A** Adams, Ralf
 Agami, Reuven
 Allain, Frederic
 Alon, Uri
 Antony, Bruno
 Arber, Silvia
 Arkowitz, Robert
 Arribas, Joaquin
 Ashe, Hilary
 Averof, Michalis
- B** Barkai, Naama
 Barr, Francis
 Barral, Yves
 Barre, François-Xavier
 Batista, Facundo
 Baum, Buzz
 Behrens, Axel
 Beja, Oded
 Bellaïche, Yohanns
 Ben-Yehuda, Sigal
 Berger, Frederic
 Bertolotti, Anne
 Bertrand, Edouard
 Blazquez, Miguel
 Bochtler, Matthias
 Boulton, Simon
 Bouso, Philippe
 Boutros, Michael
 Briscoe, James
 Bujnicki, Janusz
 Bumann, Dirk
- C** Casares, Fernando
 Cavallé, Jérôme
 Chin, Jason
 Chiti, Fabrizio
 Christoforidis, Savvas
 Clausen, Tim
 Collinson, Ian
 Conradt, Barbara
 Cosma, Maria Pia
 Costanzo, Vincenzo
 Cramer, Patrick
 Currie, Peter
- D** d'Adda di Fagagna, Fabrizio
 Davis, Daniel
 de Gier, Jan-Willem
 Del Pozo, Miguel A.
 Delledonne, Massimo
 Dessen, Andrea
 Dickson, Barry
 Dominguez, Maria
 Donaldson, Anne
 Dutzler, Raimund
- E** Einsle, Oliver
 Elena, Santiago
 Etienne-Manneville, Sandrine
- F** Fankhauser, Christian
 Fernandez-Chacon, Rafael
 Friml, Jiri
 Fuks, François
- G** Gerhardt, Holger
 Glotzer, Michael
 Gönczy, Pierre
 Gonzalez-Reyes, Acaimo
- H** Hajnal, Alex
 Harkany, Tibor
 Hassan, Bassem
 Haucke, Volker
 Helariutta, Ykä
 Helms, Volkhard
 Hidalgo, Alicia
 Hirst, Judy
 Holstege, Frank
 Hopfner, Karl-Peter
 Hoppe, Thorsten
 Hummel, Thomas
- I** Ivaska, Johanna
- J** Janke, Carsten
 Jansen, Ralf
 Jensen, Torben Heick
- K** Kaessmann, Henrik
 Ketting, René
 Khakh, Baljit
 Klaholz, Bruno
 Knoblich, Jürgen
 Köhler, Claudia
 Konieczny, Igor
 Kunji, Edmund
- L** Labib, Karim
 Längst, Gernot
 Lappalainen, Pekka
 Lecuit, Thomas
 Lemaitre, Bruno
 Levashina, Elena A.
 Leys, David
 Logan, Malcolm
 Lohmann, Jan
 Löwe, Jan
 Lygerou, Zoi
- M** Malnasi Csizmadia, Andras
 Mansuy, Isabelle
 Manzanares, Miguel
 Marin, Oscar
 Marine, Jean-Christophe
 Martin-Bermudo, Maria Dolores
 Martinez, Javier
 Más, Paloma
 Mattevi, Andrea
 Mehlen, Patrick
 Meier, Pascal
 Milán, Marco
 Mitchell, Kevin
 Møller, Simon Geir
 Mosialos, George
 Mota, Maria
 Musacchio, Andrea

EMBO young investigators 2000–2007 (cont.)

N Nagy, Laszlo

Nehrbass, Ulf
Neuhauss, Stephan
Nichols, Benjamin
Nissen, Poul
Noselli, Stephane

O Oldroyd, Giles

Otzen, Daniel
Owen, David
Owen-Hughes, Tom
Oxenius, Annette

P Palková, Zdena

Palmer, Ruth
Pasero, Philippe
Peeper, Daniel
Pellizzoni, Livio
Peracchi, Alessio
Perrakis, Anastassis
Peters, Jan-Michael
Philpott, Dana
Pierre, Philippe
Pilpel, Yitzhak
Poirazi, Panayiota
Posas, Francesc

R Radtke, Freddy

Reich, Ziv
Rescigno, Maria
Robinson, Robert
Rodriguez, Ivan
Rouse, John

S Salecker, Iris

Santos, Manuel
Saudou, Frédéric
Schärer, Orlando D.
Schedl, Andreas
Schleper, Christa
Schlötterer, Christian
Schneitz, Kay
Schnittger, Arp
Schübeler, Dirk
Schwappach, Blanche
Scorrano, Luca
Segal, Eran
Seoane, Joan
Sourjik, Victor
Spahn, Christian
Spang, Anne
Stancheva, Irina
Stock, Daniela
Sträßer, Katja
Strick, Terence
Stumpf, Michael
Suomalainen-Wartiovaara, Anu
Szabò, Ildikò

T Taipale, Jussi

Tamagnone, Luca
Tanaka, Tomoyuki
Tapon, Nicolas
Tavernarakis, Nektarios
Teichmann, Sarah
Telford, Maximilian
Therond, Pascal
Trouche, Didier
Trumpp, Andreas
Tsiantis, Miltos
Tuschl, Thomas

U Uhlmann, Frank

Ulrich, Helle
Ungermann, Christian

V van Aalten, Daan

Van den Ackerveken, Guido
van der Goot, Gisou
van Steensel, Bas
Vendruscolo, Michele
Vinkemeier, Uwe
Viola, Antonella
Voinnet, Olivier

W Wimmer, Ernst A.

Wutz, Anton

Z Zeeman, Samuel

Zernicka-Goetz, Magdalena
Zimmermann, Pascale

applications and awards 2000–2008

country	2000		2001		2002		2003		2004		2005		2006		2007		2008	
	appl.	aw.	appl.	aw.	appl.	aw.	appl.	aw.	appl.	aw.	appl.	aw.	appl.	aw.	appl.	aw.	appl.	aw.
Austria	9	5	3	0	1	0	0	0	3	1	3	1	3	0	2	1	1	0
Belgium	8	0	2	0	3	0	2	1	1	0	3	0	6	2	6	1	2	0
Croatia	2	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Czech Republic	2	0	0	1	6	0	14	0	4	0	2	0	2	0	0	0	1	0
Denmark	5	1	0	0	0	0	2	2	0	0	1	0	3	0	2	0	1	0
Estonia*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finland	9	2	1	0	4	1	3	0	9	0	2	0	5	2	8	0	2	0
France	72	5	17	4	26	4	26	2	17	3	14	2	16	4	8	3	11	1
Germany	52	7	22	4	17	4	15	3	30	3	23	4	27	2	19	3	21	1
Greece	8	2	1	2	4	1	3	0	4	1	6	0	4	0	4	0	2	0
Hungary	2	1	1	0	6	0	7	1	5	0	1	0	3	0	0	0	3	0
Iceland	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0
Ireland	6	0	3	0	0	0	0	0	3	1	1	0	2	0	0	0	0	0
Israel	13	2	7	1	4	0	5	1	5	0	3	1	5	1	2	1	4	0
Italy	22	1	6	3	14	3	11	1	14	0	14	1	11	3	9	1	4	0
Luxembourg**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
The Netherlands	10	2	6	2	3	0	4	0	3	1	5	1	8	0	5	1	7	0
Norway	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Poland	13	1	2	0	8	1	6	0	8	1	2	0	0	0	0	0	1	0
Portugal	9	1	6	1	2	0	2	1	3	0	4	0	2	0	1	0	1	0
Slovak Republic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Slovenia	3	0	0	0	0	0	0	0	1	0	2	0	1	0	0	0	0	0
Spain	40	4	26	1	18	2	26	2	21	1	17	1	16	0	18	3	12	1
Sweden	23	1	3	0	15	0	7	1	8	0	3	1	10	0	14	1	3	0
Switzerland	21	6	11	3	12	3	5	1	8	1	8	3	5	2	4	0	5	2
Turkey	8	0	1	0	2	0	2	0	1	0	0	0	0	0	2	0	3	0
United Kingdom	75	14	30	1	23	4	21	5	20	7	13	2	22	5	26	3	32	7
Others	1	0	0	0	0	0	0	0	3	0	0	0	1	0	0	0	0	0
Total	415	55	150	23	169	23	163	21	172	20	128	17	153	21	131	18	116	12
Female	94	13	44	4	45	4	47	7	39	4	32	2	32	6	37	3	32	2
Male	321	42	106	19	124	19	116	14	133	16	96	15	121	15	94	15	84	10

* Estonia joined the EMBC in 2006

** Luxembourg and the Slovak Republic joined the EMBC in 2007

general statistics: awards 2000–2008

	average	general statistics for all young investigators upon selection 2000–2008
age	35.1	
post-doctoral years	4.7	
total number of publications	22	
last-author publications	3.8	
first-author publications	9.6	

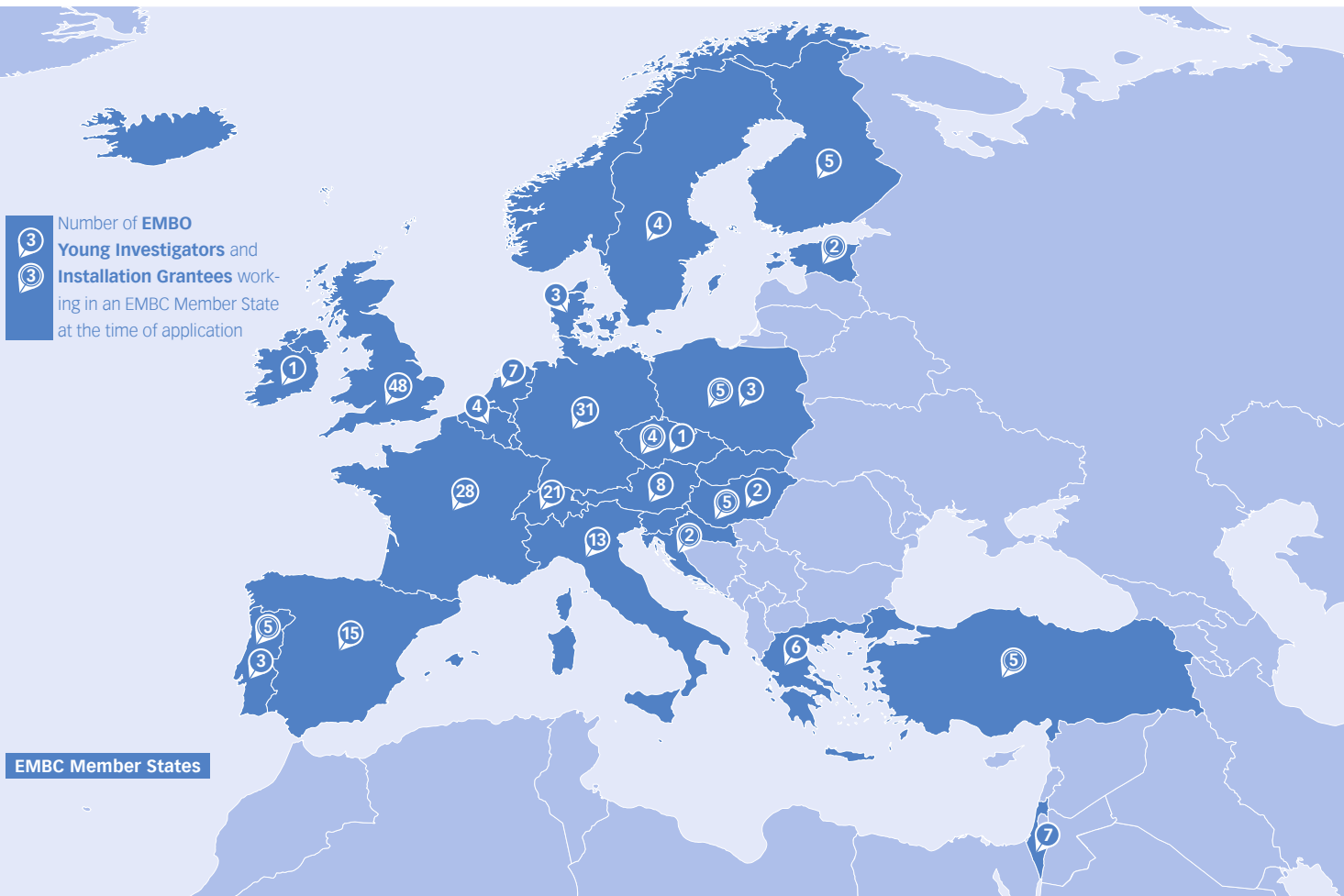
	no.	% of total	pre- and/or post-doctorate spent in USA
USA	125	60.0	

	no.	% of total	post-doctoral fellowships received from international agencies
EMBO	82	39.0	
HFSP	46	22.0	
EU TMR	23	11.0	

young investigator lectures 2008	Sourjik, Victor	Gordon Research Conference – Sensory transduction in microorganisms	US–Ventura	13–18 January
	Etienne-Manneville, Sandrine	Cell migration in invasion and inflammation	US–New Mexico	12–17 February
	Fuks, Francois	59. Mosbacher Kolloquium 2008 – Epigenetics: Molecular principles and mechanisms	DE–Mosbach	26–29 March
	Tapon, Nicolas	Invasion and metastasis	DE–Berlin	26–29 March
	Batista, Facundo	B Cells 2008: Complexity, integration and translation – <i>ESF-EMBO Joint Symposium</i>	ES–San Felieu de Guixols	16–21 May
	Boulton, Simon	DNA recombination: From mechanisms to inheritable human disease	IT–San Quirico	19–23 May
	Pasero, Philippe	DNA recombination: From mechanisms to inheritable human disease	IT–San Quirico	19–23 May
	Batista, Facundo	Biology of the immune system	US–Phoenix	8–13 June
	Labib, Karim	Replication and segregation of chromosomes	NO–Geilo	16–20 June
	Harkany, Tibor	6th FENS Forum for European Neuroscience	CH–Geneva	12–16 July
	Gerhardt, Holger	Vascular differentiation and remodelling	DE–Frankfurt	16–19 July
	Tsiantis, Miltos	19th International Conference on <i>Arabidopsis</i> Research	CA–Montreal	23–27 July
	Friml, Jiri	FESPB 2008	FI–Tampere	17–22 August
	Pasero, Philippe	Cancer and the cell cycle	CH–Lausanne	21–23 August

young investigator lectures 2008 (cont.)	Etienne-Manneville, Sandrine	ELSO 2008	FR–Nice	30 August – 2 September
	Hummel, Thomas	ELSO 2008	FR–Nice	30 August – 2 September
	Strick, Terence	ELSO 2008	FR–Nice	30 August – 2 September
	Schnittger, Arp	9th Biennial Korean-German Joint Symposium on Plant Science and Biotechnology	DE–Berlin	7–10 September
	Gerhardt, Holger	European Tissue Repair Society – Joint meeting with the Tissue Viability Unit of Malta	MA–Malta	10–12 September
	Barre, François-Xavier	2008 Workshop on transposition and site-specific recombination	US–Massachusetts	14–19 September
	Del Poso, Miguel	Vesicular transport and cancer	UK–Glasgow	21–23 September
	Ivaska, Johanna	Vesicular transport and cancer	UK–Glasgow	21–23 September
	Taipale, Jussi	Joint meeting of the British (BSDB) and Spanish (SEBD) societies of developmental biology	ES–Seville	24–27 September
	Tapon, Nicolas	Joint meeting of the British (BSDB) and Spanish (SEBD) Developmental Biology Societies	ES–Seville	24–27 Sep
	Zimmermann, Pascale	The 8th KIAS-Yonsei Conference on Protein Structure & Function – Frontiers in protein science: structure, folding, & function”	KR–Seoul	9–11 October
	d’Adda di Fagagna, Fabrizio	Biological responses to DNA damage	FR–Roscoff	11–15 October
	Pasero, Philippe	Biological responses to DNA damage	FR–Roscoff	11–15 October

young investigator lectures 2008 (cont.)	Köhler, Claudia	Frontiers of sexual plant reproduction III	US–Arizona	17–19 October
	Schnittger, Arp	Frontiers of sexual plant reproduction III	US–Arizona	17–19 October
	Facundo, Batista	Initiation of antigen receptor signalling	ES–Madrid	20–22 October
	Segal, Eran	4th EMBO Conference: From functional genomics to systems biology	DE–Heidelberg	15–18 November
	Taipale, Jussi	4th EMBO Conference: From functional genomics to systems biology	DE–Heidelberg	15–18 November
	Ivaska, Johanna	Genes & cancer	UK–Coventry	8–10 December



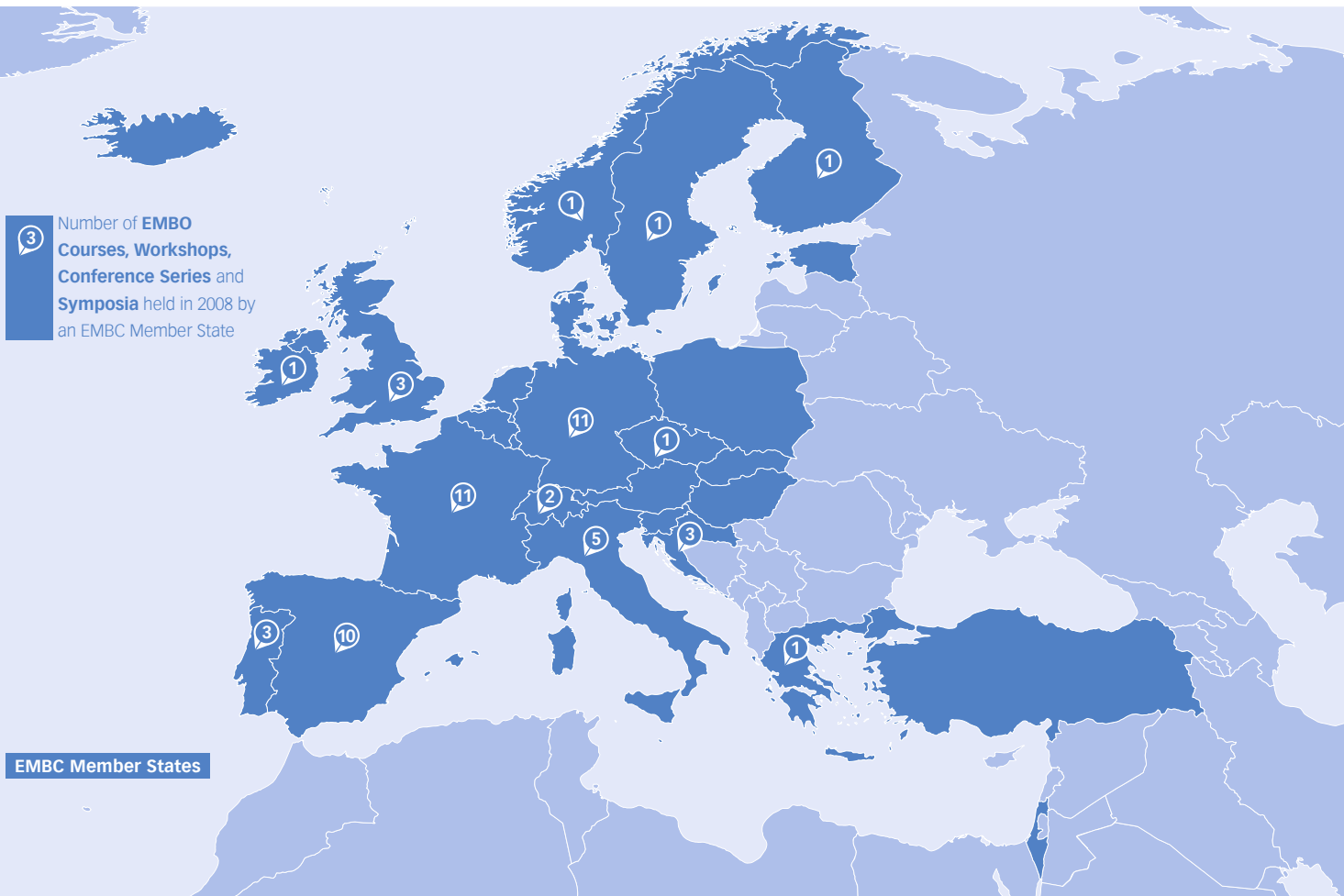
practical courses 2008 Europe (EMBC)	Combination of electron microscopy and x-ray crystallography	J. Navaza	FR–Gif-sur-Yvette	17–24 February
	High-throughput microRNA profiling	V. Benes	DE–Heidelberg	6–11 April
	Computational RNA biology	K. Nieselt	FR–Corsica	14–20 April
	Structural characterisation of macromolecular complexes	C. Petosa	FR–Grenoble	2–7 June
	Tissue and protein microarrays: From construction to image analysis	W. Gallagher	IE–Dublin	9–14 June
	High-throughput RNAi	M. Boutros	DE–Heidelberg	13–18 June
	3-D developmental imaging	G. Martins	PT–Oeiras	23 June – 1 July
	Molecular approaches to evolution and development in co-operation with ZONET (<i>Marie Curie Research Training Network</i>)	D. Arendt	SE–Fiskebaeckskil	30 June – 12 July
	Biomolecular simulation	M. Nilges	FR–Paris	1–8 July
	Advanced cytometry and cell sorting	A. Thiel	DE–Berlin	6–11 July
	Multi-dimensional NMR in structural biology	C. Griesinger	IT–Il Ciocco	3–8 August
	Cell biology of host–pathogen interactions	J. Pizarro-Cerda	FR–Paris	18–29 August
	Electron microscopy and stereology in cell biology	J. Nebesarova	CZ–Ceske Budejovice	20–29 August
	Cryo-electron microscopy and 3-D image analysis	B. Böttcher	DE–Heidelberg	24–31 August
	Protein expression, purification and crystallisation (PEPC-6)	J. Müller-Dieckmann	DE–Hamburg	1–9 September
	Anatomy and embryology of the mouse	A. Marusic	HR–Zagreb	6–14 September
	Transient kinetics methods applied to biological macromolecules	M. Geeves	UK–Canterbury	7–13 September
Ubiquitin and SUMO	F. Melchior	HR–Split	12–19 September	

practical courses 2008 Europe (EMBC) <i>cont.</i>	X-ray crystal structure determination of macromolecules	R. Meijers	FR–Saint Aubin	14–20 September
	Computational aspects of the protein target selection, protein production management and structure analysis pipeline	K. Henrick	UK–Hinxtton	22–26 September
	Differential proteomics: From 2-D gel electrophoresis to mass spectrometry	T. Franz	DE–Heidelberg	6–10 October
	Docking predictions of protein–protein interactions	J. Janin	ES–Barcelona	14–17 October
	Solution scattering from biological macromolecules	D. Svergun	DE–Hamburg	19–26 October
practical courses 2008 outside Europe	Advanced methods in reconstructing molecular phylogenetic relationships	M. Embley	BR–Rio de Janeiro	3–9 March
	Advanced course on bioinformatics and comparative genome analysis	F. Tekaia	BR–Florianopolis	30 June – 12 July
	Computational biology: From genomes to cells and systems	P. Bork	SG–Singapore	10–17 August
	Structure determination of biological macromolecules by solution NMR	M. Sattler	CN–Beijing	8–15 September
	Genetics of laboratory rodents	M. Crispo	UY–Montevideo	24 November – 6 December
lecture courses 2008 outside Europe	Molecular and cellular basis of infection	I. Parker	ZA–Cape Town	1–9 March
	Recent developments in macromolecular crystallography	M. Weiss	IN–Pune	9–14 November
workshops 2008 Europe (EMBC)	Semaphorin function and mechanisms of action	A. Chedotal	FR–Cernay-La-Ville	8–11 May

workshops 2008 Europe (EMBC) <i>cont.</i>	Cell and molecular biology of <i>Chlamydomonas</i>	M.Goldschmidt-Clermont	FR–Hyeres-les-Palmiers	27 May – 1 June
	Microbial diversity and metagenomics: Science, technology, applications and regulatory affairs	C. Ouzounis	GR–Chalkidiki	21–24 June
	Gene transcription in yeast	M. Collart	ES–Sant Feliu de Guixols	21–26 June
	The nucleolus and disease	J. Hiscox	UK–Derby	23–25 June
	MHC Class I molecules at the interface between biology and medicine	F. Arosa	PT–Porto	4–6 July
	EMBO Members Workshop: Frontiers of Molecular Biology	H. Jacobs	FI–Tampere	5–8 September
	Cytotoxicity, cell death and the immune system	A. Anel	ES–Zaragoza	17–20 September
	Polo-like kinases: From the fly to the clinic 20 years onwards	C. Sunkel	PT–Porto	24–27 September
	Chromosome segregation: Centromeres and kinetochores	R. Allshire	FR–Arcachon	27 September – 2 October
	Evolutionary and environmental genomics of yeasts	L. Steinmetz	DE–Heidelberg	1–5 October
	Can epigenetics influence reprogramming and metastatic progression?	U. Rapp	DE–Bad Staffelstein	6–9 October
	The NF- κ B network in development and disease	M. Ursini	IT–Capri	18–21 October
workshops 2008 outside Europe	Parental genomic imprinting	F. Berger	SG–Singapore	21–24 September
conference series 2008 (1st in a series) Europe (EMBC)	Genomes 2008: Functional genomics of microorganisms	C. Buchrieser	FR–Paris	8–11 April
	Cellular signalling and molecular medicine	I. Đikić	HR–Dubrovnik	29 May–4 June

conference series 2008 (1st in a series) Europe (EMBC) (cont.)	Replication and segregation of chromosomes	E. Boye	NO–Geilo	16–20 June
	Centrosomes and spindle pole bodies	M. Knop	DE–Heidelberg	12–16 September
	Telomeres and the DNA damage response	J. Cooper	CH–Villars-sur-Ollon	15–19 September
	The molecular and cellular mechanisms regulating skeletal muscle development and regeneration	P. Munoz-Canoves	ES–Sant Feliu de Guixols	24–29 September
	From functional genomics to systems biology	E. Furlong	DE–Heidelberg	15–18 November
	Protein structure prediction (CASP8)	A. Tramontano	IT–Cagliari	3–7 December
conference series 2008 (2nd in a series) Europe (EMBC)	Recombination mechanisms	M. Foiani	IT–Il Ciocco	19–23 May
	RNA and disease: RNA metabolism and associated pathologies	C. Bagni	IT–Rome	31 May – 5 June
	The molecular and developmental biology of <i>Drosophila</i>	T. Kaufman	GR–Crete	22–29 June
	At the joint edge of cellular microbiology and cell biology	G. van der Goot	CH–Villars-sur-Ollon	20–25 September
	Molecular and cellular basis of regeneration and tissue repair	E. Amaya	ES–Mallorca	5–10 October
	Control, co-ordination and regulation of protein targeting and translocation	T. Pugsley	FR–Sainte-Maxime	25–28 October
joint ESF/EMBO symposia 2008	Molecular bioenergetics of cyanobacteria: Towards systems biology level of understanding	E. Aro	ES–Sant Feliu de Guixols	29 March – 3 April
	Antiviral applications of RNA interference	J. Kurreck	ES–Sant Feliu de Guixols	5–10 April

joint ESF/EMBO symposia 2008 <i>(cont.)</i>	B cells 2008: Complexity, integration & translation	J. Gordon	ES–Sant Feliu de Guixols	16–21 May
	Bacterial Networks (BACNET08)	M. Buttner	ES–Sant Feliu de Guixols	13–18 September
	Protein design and evolution for biocatalysis	J. Damborsky	ES–Sant Feliu de Guixols	25–30 October



plenary lectures 2008 Europe (EMBC)	Yanagida, Mitsuhiro	The cell cycle and genomic stability	FR–Brittany	26–30 April
	Dobson, Chris	XXI Sitges Conference: Statistical mechanics of molecular biophysics	ES–Sitges (Barcelona)	2–6 June
	Klein, George	6th Annual International Conference: Transposition and animal biotechnology	DE–Berlin	19–21 June
	Willmitzer, Lothar	4th EPSO Conference: Plants for life	FR–Presquile de Giens	22–26 June
	Bergman, Yehudit	Integrated mechanisms of cellular identity and homeostasis	UK–Cambridge	26–27 June
	Blobel, Günter	33rd FEBS Congress & 11th IUBMB Conference	GR–Athens	28 June – 3 July
	Pääbo, Svante	XX International Congress of Genetics (ICG 2008)	DE–Berlin	12–17 July
	Carafoli, Ernesto	12th International ATPase Conference	DK–Aarhus	5–10 August
	Livingston, David M.	Cancer and the cell cycle	CH–Lausanne	21–23 August
	Bisseling, Ton	8th European Nitrogen Fixation Conference	BE–Ghent	30 August– 4 September
	Schekman, Randy	FEBS Special Meeting – The Golgi Meeting: Membrane trafficking in global cellular responses	IT–Pavia	4–9 September
	Valencia, Alfonso	European Conference on Computational Biology 2008	IT–Cagliari	22–26 September
Holt, Christine	Joint meeting of the British (BSDB) and Spanish (SEBD) Developmental Biology Societies	ES–Seville	24–27 September	

plenary lectures 2008 Europe (EMBC) <i>cont.</i>	Corda, Daniela	XVI National Congress of Biochemistry	PT – Ponta Delgada (Acores)	22–25 October
	Hunt, Tim	Decision making in biology – nature at the crossroads	DE – Heidelberg	23–25 October
	Bork, Peer	Frontiers in genomics	DK – Fyn	29–31 October
plenary lectures 2008 outside Europe	Basler, Konrad	The 8th Hunter Cellular Biology Meeting	AU – Pokolbin	1–4 April
	Wittinghofer, Alfred	Regulation and function of small GTPases	US – Vermont	13–18 July
	Helenius, Ari	2008 International Meeting: The molecular biology of hepatitis B viruses	US – La Jolla	17–21 August
	Pirrota, Vincenzo	Queenstown Molecular Biology Meeting: Epigenetics	NZ – Queenstown	31 August – 2 September
	Stern, Claudio	4th International Meeting of the Latin American Society of Developmental Biology	AR – Buenos Aires	1–3 November
	Rey, Felix	XLIV Annual Meeting of the Argentine Society for Biochemistry and Molecular Biology	AR – Cordoba	8–11 November

participation of women in EMBO activities

EMBO Membership *(includes Associate Members)*

Total number of members	women %	year
1092	12.9	2001
1126	13.1	2002
1162	13.3	2003
1191	13.7	2004
1223	13.8	2005
1261	13.9	2006
1305	14.3	2007
1357	14.4	2008

EMBO Courses and Workshops

		female participants %	female speakers %
2001	Practical Courses	44	23
	Workshops	40	26
	Lecture Courses	63	20
2002	Practical Courses	51	23
	Workshops	39	25
	Lecture Courses	58	19
2003	Practical Courses	49	22
	Workshops	41	24
	Lecture Courses	48	13
2004	Practical Courses	56	27
	Workshops	40	25
	Conferences	40	21
	Lecture Courses	50	29
2005	Practical Courses	53	27
	Workshops	41	22
	Conferences	40	26
	Lecture Courses	60	25
2006	Practical Courses	45	22
	Workshops	45	24
	Conferences	45	43
	Lecture Courses	52	20
2007	Practical Courses	52	28
	Workshops	39	25
	Conferences	40	22
	Lecture Courses	65	18
2008	Practical Courses	54	25
	Workshops	47	28
	Conferences	48	30
	Lecture Courses	55	31

participation of women in EMBO activities (cont.)

EMBO Short-Term Fellowships

		applications	awarded	Success rate %
2001	Female applicants	130 (55.8%)	70 (56.5%)	53.8
	Male applicants	103 (44.2%)	54 (43.5%)	52.4
	Overall	233	124	53.2
2002	Female applicants	148 (53.4%)	81 (53.3%)	54.7
	Male applicants	129 (46.6%)	71 (46.7%)	55.0
	Overall	277	152	54.9
2003	Female applicants	139 (53.7%)	72 (52.2%)	51.8
	Male applicants	120 (46.3%)	66 (47.8%)	55.0
	Overall	259	138	53.3
2004	Female applicants	161 (53.7%)	84 (52.2%)	52.2
	Male applicants	140 (46.3%)	83 (47.8%)	59.3
	Overall	301	167	55.5
2005	Female applicants	190 (49.6%)	88 (44.0%)	46.3
	Male applicants	193 (50.4%)	112 (56.0%)	58.0
	Overall	383	200	52.2
2006	Female applicants	203 (51.7%)	99 (51.0%)	48.7
	Male applicants	190 (48.3%)	95 (49.0%)	50.0
	Overall	393	194	49.3
2007	Female applicants	212 (51.8%)	117 (55.5%)	55.2
	Male applicants	197 (48.2%)	94 (44.5%)	47.7
	Overall	409	211	47.2
2008	Female applicants	219 (55.4%)	126 (59.1%)	57.5
	Male applicants	176 (44.6%)	87 (40.9%)	49.4
	Overall	395	213	53.9
2001–2008	Female applicants	1403 (53.0%)	738 (52.4%)	52.6
	Male applicants	1246 (47.0%)	670 (47.6%)	53.8
	Overall	2649	1408	53.2

participation of women in EMBO activities (cont.)

EMBO Long-Term Fellowships

		applications	awarded	Success rate
1996–2001	Female applicants	1914 (40.8 %)	347 (35.0%)	18.1
	Male applicants	2772 (59.2 %)	644 (65.0%)	23.2
	Total	4686	991	21.1
2002	Female applicants	347 (43.4%)	68 (40.5%)	19.5
	Male applicants	453 (56.6%)	100 (59.5%)	22.1
	Overall	800	168	21.0
2003	Female applicants	469 (43.4%)	64 (36.4%)	13.6
	Male applicants	611 (56.6%)	112 (63.6%)	18.3
	Overall	1080	176	16.3
2004	Female applicants	533 (46.9%)	65 (39.9%)	12.2
	Male applicants	604 (53.1%)	98 (60.1%)	16.2
	Overall	1137	163	14.3
2005	Female applicants	589 (47.7%)	89 (44.9%)	15.1
	Male applicants	647 (52.3%)	109 (55.1%)	16.8
	Overall	1236	198	16.0
2006	Female applicants	593 (48.1%)	87 (39.2%)	14.7
	Male applicants	639 (51.9%)	135 (60.8%)	21.1
	Total	1232	222	18.0
2007	Female applicants	582 (45.2%)	82 (38.7%)	14.1
	Male applicants	706 (54.8%)	130 (61.3%)	18.4
	Total	1288	212	16.5
2008	Female applicants	590 (48.4%)	81 (37.7%)	13.7
	Male applicants	628 (51.6%)	134 (62.3%)	21.3
	Overall	1218	215	17.6
1996–2008	Female applicants	5617 (44.3%)	883 (37.7%)	15.7
	Male applicants	7065 (55.7%)	1460 (62.3%)	20.7
	Overall	12682	2343	18.5

participation of women in EMBO activities (cont.)

EMBO Young Investigator Programme

		applications	awarded	Success rate
2000–2001	Female applicants	138 (24.4%)	17 (21.8%)	12.3
	Male applicants	427 (75.6%)	61 (78.2%)	14.3
	Overall	565	78	13.8
2002	Female applicants	45 (26.8%)	4 (17.4%)	8.9
	Male applicants	123 (73.2%)	19 (73.8%)	15.4
	Overall	168	23	13.8
2003	Female applicants	47 (28.8%)	7 (33.3%)	14.8
	Male applicants	116 (71.2%)	14 (66.7%)	12.1
	Overall	163	21	12.8
2004	Female applicants	38 (22.1%)	4 (20.0%)	10.5
	Male applicants	134 (77.9%)	16 (80.0%)	11.9
	Overall	172	20	11.6
2005	Female applicants	32 (25.0%)	2 (11.8%)	6.3
	Male applicants	96 (75.0%)	15 (88.2%)	15.6
	Overall	128	17	13.3
2006	Female applicants	32 (20.9%)	6 (28.6%)	18.8
	Male applicants	121 (79.1%)	15 (71.4%)	12.5
	Overall	153	21	13.7
2007	Female applicants	37 (28.0%)	3 (16.7%)	8.1
	Male applicants	95 (72.0%)	15 (83.3%)	15.8
	Overall	132	18	13.6
2008	Female applicants	32 (27.6%)	2 (16.7%)	6.3
	Male applicants	84 (72.4%)	10 (83.3%)	11.9
	Overall	116	12	10.3
2000–2008	Female applicants	401 (25.1%)	45 (21.4%)	11.2
	Male applicants	1195 (74.9%)	165 (78.6%)	13.8
	Overall	1596	210	13.2

participation of women in EMBO activities (cont.)

EMBO Installation Grants

		applications	awarded	Success rate %
2006	Female applicants	28 (37.8%)	1 (10.0%)	3.6
	Male applicants	46 (62.2%)	9 (90.0%)	19.6
	Overall	74	10	13.5
2007	Female applicants	17 (37.8%)	3 (33.3%)	17.6
	Male applicants	41 (62.2%)	6 (66.7%)	14.6
	Overall	58	9	15.5
2008	Female applicants	7 (21.8%)	1 (14.3%)	14.3
	Male applicants	25 (78.2%)	6 (85.7%)	24.0
	Overall	32	7	21.9

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practical courses 2009 Europe (EMBC)	Next generation sequencing: ChIP-seq and RNA-seq	M. Yaspo	DE–Berlin	1–13 February
	Advanced optical microscopy	B. Amos	UK–Plymouth	25 March – 4 April
	Mass spectrometry and proteomics	O. Nørregaard Jensen	DK–Odense	15–22 April
	MicroRNA profiling: From <i>in situ</i> hybridization to next-generation sequencing	V. Benes	DE–Heidelberg	18–24 April
	Fluorescence (cross-) correlation spectroscopy (FCS/FCCS) for cell biology applications	M. Knop	DE–Heidelberg	18–23 May
	Light microscopy in living cells	N. Moreno	PT–Oeiras	29 May–5 June
	Electron tomography in life science	B. Koster	NL–Leiden	1–7 June
	Molecular genetics with the fission yeast <i>Schizosaccharomyces pombe</i>	I. Hagan	UK–Manchester	13–25 June
	EMBO / MAX-INF2 Practical Course on structure determination in macromolecular crystallography	C. Müller-Dieckmann	FR–Grenoble	15–19 June
	High throughput methods for protein production and crystallization	R. Owens	UK–Oxford	17–25 June
	Molecular approaches to evolution and development	D. Arendt	SE–Fiskebaeckskil	29 June – 10 July
	Developmental neurobiology from worms to mammals	C. Houart	UK–London	1–15 July
	Single molecule analysis of DNA protein interactions	T. Strick	FR–Paris	5–18 July
	Structure, dynamics and function of biomacromolecules by solution NMR	M. Sattler	DE–Garching	27 July – 3 August

practical courses 2009 Europe (EMBC) <i>cont.</i>	Two-photon imaging of brain cell dynamics	F. Helmchen	CH–Zurich	6–13 September
	Image processing for cryo-electron microscopy	E. Orlova	UK–London	7–17 September
	Quantitative FRET, FRAP and FCS	V. Sourjik	DE–Heidelberg	23–28 September
	Networks in biology analysis, modelling and reverse engineering	G. Romeo	IT–Bologna	26–30 September
	Current methods in cell biology	M. Kaksonen	DE–Heidelberg	8–16 October
	Advanced analysis and informatics of microarray data	A. Brazma	UK–Hinxtun	12–17 October
	The combination of electron microscopy and x-ray crystallography for the structure determination of large biological complexes	J. Navaza	FR–Gif-sur-Yvette	18–24 October
	High throughput microscopy for systems biology	R. Pepperkok	DE–Heidelberg	8–13 November
practical courses 2009 outside Europe	Advanced methods for phylogenetic analysis of molecular sequences	M. Embley	BR–Rio de Janeiro	9–15 March
	FRET, FLIM, FCS, FRAP & 3-D imaging: Application to cell and developmental biology	S. Ahmed	SG–Singapore	13–24 April
	II International School of Biochemistry, Molecular & Cell Biology – Current tools in cell biology: Probing normal and pathological cell functions	L. Cameron	BR–Rio de Janeiro	3–14 August
	DNA microarray: Analysis and applications	P. Vincent	IN–Tamil Nadu	16–20 August
	Bioinformatics and comparative genome analyses	F. Tekaia	CN–Hong Kong	17–29 August

practical courses 2009 outside Europe (<i>cont.</i>)	Advanced bioinformatic methods in the study of gene and genome evolution	J. McInerney	CO–Medellin	23–30 August
	Structure and dynamics of biomolecules by NMR spectroscopy	C. Fernandez	AR–Rosario	21–30 September
lecture courses 2009 Europe (EMBC)	Mitochondrial medicine: From genetics to biological mechanisms and beyond	V. Carelli	IT–Bologna	18–22 April
workshops 2009 Europe (EMBC)	The multiple faces of lamins in ageing and disease	R. Foisner	AT–Vienna	6–9 January
	New functions of regulatory RNAs in pro- and eukaryotes	R. Schroeder	AT–Vienna	14–15 January
	Visualizing immune system complexity	L. Alexopoulou	FR–Marseille	15–17 January
	Model organisms in cell death research	A. Villunger	AT–Oberurgl	31 January – 4 February
	Beta cell differentiation and regeneration	K. Docherty	UK–Peebles	26 February – 1 March
	EMBO-FEMS Workshop on microbial sulfur metabolism	I. Cardoso Pereira	PT–Tomar	15–18 March
	bHLH transcription factors	F. Guillemot	UK–London	7–8 May
	Blood and lymphatic vasculature: From models to human disease	K. Alitalo	FI–Helsinki	12–13 June
	Cortical interneurons in health and disease	O. Marin	ES–Mallorca	21–25 June
	RUNX transcription factors in development and disease	M. de Bruijn	UK–Oxford	16–19 August
	Developmental systems	I. Rodriguez	CH–Arolla	18–22 August
	Frontiers of prokaryotic cell biology	J. Loewe	UK–Oxford	24–27 August

workshops 2009 Europe (EMBC) <i>cont.</i>	Wnt signalling in development and disease	J. Huelsken	CH–Arolla	26–29 August
	2009 EMBO Molecular Medicine Workshop – Invasive growth: A genetic programme for stem cells and cancer	P. Comoglio	IT–Torino	10–13 September
	Messenger RNA 3' ends and gene expression	N. Proudfoot	UK–Oxford	16–20 September
	Mitochondria, apoptosis and cancer	J. Neuzil	CZ–Prague	1–3 October
	Evo-Devo meets marine ecology: New frontiers in ocean science through integrative biology	M. Arnone	IT–Ischia (Napoli)	9–11 October
workshops 2009 outside Europe	Amoebiasis: Molecular approaches in an important but neglected disease	J. Verweij	MX–Guanajuato	24–27 February
conference series 2009 (1st in a series) Europe (EMBC)	Spatial 2009 – Overcoming distance in signalling networks	M. Fainzilber	IL–Maale Hachamisha	15–19 March
	Cancer Proteomics 2009: Mechanistic insights, technological advances and molecular medicine	W. Gallagher	IE–Dublin	8–11 June
	Helicase and NTP-driven nucleic acids motors: Structure, function, mechanism and roles in human disease	P. Linder	CH–Les Diablerets	27 June – 2 July
	Population and molecular biology of vectors	C. Louis	GR–Kolymbari	19–26 July
	8th International Conference on Ribosome Synthesis	H. Tschochner	DE–Regensburg	26–30 August
	The physics of cells	A. Smith	HR–Dubrovnik	6–13 September

conference series 2009 <i>(1st in a series)</i> Europe (EMBC) <i>cont.</i>	Meiosis	B. de Massy	FR–Isle sur la Sorgue	19–23 September
	Morphogenesis and dynamics of multicellular systems	D. Brunner	DE–Heidelberg	2–6 October
	Endocytic machineries in control of cell signalling and tissue morphogenesis	H. Stenmark	GR–Chania	3–8 October
	Comparative genomics of eukaryotic microorganisms: Diversity of life	E. Louis	ES–San Feliu de Guixols	17–22 October
	Autophagy: Cell Biology, physiology and pathology	M. Peter	CH–Ascona	18–21 October
conference series 2009 <i>(2nd in a series)</i> Europe (EMBC)	Tackling and imaging the complexity of the immune system	B. Malissen	IT–Capo Caccia	20–24 April
	Frontiers of plant research	C. Gutierrez	ES–Cadiz	6–9 May
	Chromatin and epigenetics	W. Reik	DE–Heidelberg	13–17 May
	Cellular protein homeostasis in disease and ageing	H. Kampinga	HR–Dubrovnik	23–28 May
	Advances in stem cell research: Stem cells, systems and synthetic biology	A. Smith	UK–Cambridge	15–17 June
	Europhosphatases 2009: Protein phosphatases in development and disease	J. den Hertog	NL–Egmond aan Zee	14–18 July
	Protein synthesis and translational control	M. Hentze	DE–Heidelberg	9–13 September
	Antigen receptor signalling: From lymphocyte development to effector function	C. Baldari	IT–Certosa di Pontignano	12–16 September

conference series 2009 (2nd in a series) Europe (EMBC) cont.	Ubiquitin and ubiquitin-like modifiers in health and disease	T. Sommer	IT–Riva del Garda	23–27 September
	Nuclear receptors: From molecular mechanisms to molecular medicine	L. Nagy	HR–Dubrovnik	25–29 September
	Nuclear structure and dynamics	G. Cavalli	FR–Isle sur la Sorgue	30 September – 4 October
	The assembly and function of neuronal circuits	P. Caroni	CH–Ascona	5–8 October
	Host genetic control of infectious diseases	M. Yaniv	FR–Paris	7–10 October
	<i>Legionella</i> 2009	C. Buchrieser	FR–Paris	13–17 October
ESF/EMBO Symposia 2009	Spatio-temporal radiation biology: Transdisciplinary advances for biomedical applications	Y. Gauduel	ES–Sant Feliu de Guixols	16–21 May
	Cell polarity and membrane traffic	A. Spang	ES–Sant Feliu de Guixols	23–28 May
	Biological surfaces and interfaces	J. Gold	ES–Sant Feliu de Guixols	28 June – 3 July
EMBO/FEBS Lecture Courses 2009	Molecular and cellular membrane biology	G. van Meer	FR–Cargese	8–19 June
	Proteins and their networks: From specific to global analysis	A. Fersht	GR–Spetses	7–17 September

The EMBO Meeting	Annual life sciences conference	S. Beveridge M. Cairns G. Wallon V. Kaplan	NL–Amsterdam	29 August – 1 September
membership	EMBO Member and EMBO Young Investigators Reception at <i>The EMBO Meeting</i>	H. Bujard G. Wallon V. Kaplan	NL–Amsterdam	30 August
fellowship programme	Fellows Meeting	J. Taplick A. Visser-de Matteis	DE–Heidelberg (EMBL)	11–14 June
science & society programme	Science & Society Symposium at the Strategic Working Party meeting	H. Bujard G. Wallon	PL–Warsaw	13 May
	Media Workshop at the Fellows Meeting	A. Bendiscioli G. Wallon	DE–Heidelberg (EMBL)	12 June
	Media Communication Skills Workshop at <i>The EMBO Meeting</i>	A. Bendiscioli G. Wallon	NL–Amsterdam	30 August
	Science & Society Session at <i>The EMBO Meeting</i>	H. Bujard G. Wallon A. Bendiscioli	NL–Amsterdam	1 September
	10th EMBO/EMBL Joint Conference on Science & Society: Food, sustainability and plant science: a global challenge	H. Bujard G. Wallon A. Bendiscioli H. Breithaupt S. Caddick H. Stefánsson	DE–Heidelberg (EMBL)	6–7 November
young investigator programme	Post-doc Laboratory Management Course	G. Wallon K. Krynauw	DE–Heidelberg	27–29 January
	Open Laboratory Management Course	G. Wallon K. Krynauw	DE–Heidelberg	16–19 February
	Post-doc Laboratory Management Course	G. Wallon K. Krynauw	DE–Heidelberg	1–3 April

young investigator programme <i>cont.</i>	Open Laboratory Management Course	G.Wallon K. Krynauw	UK – Cambridge	5–8 May
	Annual Young Investigator Meeting	G.Wallon K. Krynauw	TR – Istanbul	13–15 May
	Advanced Laboratory Management Course on <i>Project Management</i>	G.Wallon K. Krynauw	DE – Heidelberg	2–3 July
	Post-doc Laboratory Management Course	G.Wallon K. Krynauw	DE – Heidelberg	6–8 July
	Open Laboratory Management Course	G.Wallon K. Krynauw	DE – Heidelberg	14–17 September
	Young Investigator PhD Course	G.Wallon K. Krynauw	DE – Heidelberg	14–22 September
	Post-doc Laboratory Management Course	G.Wallon K. Krynauw	DE – Heidelberg	7–9 October
	Advanced Laboratory Management Course on <i>Managing Lab Conflicts</i>	G.Wallon K. Krynauw	DE – Heidelberg	12–14 October
	Open Laboratory Management Course	G.Wallon K. Krynauw	DE – Heidelberg	10–13 November

The following organizations are represented by their acronyms throughout this report:

ABI	Adolf Butenandt Institute (Adolf-Butenandt-Institut), Munich, Germany	CABIMER	Andalusian Molecular Biology and Regenerative Medicine Centre (Centro Andaluz de Biología Molecular y Medicina Regenerativa) Seville, Spain
AMC-DEI	Amsterdam Medical Center Department of Experimental Immunology University of Amsterdam (Academisch Medisch Centrum Afdeling Experimentele Immunologie Universiteit van Amsterdam) The Netherlands	CBD	Center of Developmental Biology (Centre de Biologie du Développement) Toulouse, France
AMOLF	Institute for Atomic and Molecular Physics (Instituut voor Atoom- en Molecuulfysica) Amsterdam, The Netherlands	CBM	Center for Molecular Biology Severo Ochoa (Centro de Biología Molecular Severo Ochoa) Madrid, Spain
AS ČR	Academy of Sciences of the Czech Republic (Akademie věd České Republiky) Prague, Czech Republic	CBM-UAM	Centre of Molecular Biology, Autonomous University of Madrid (Centro de Biología Molecular Universidad Autónoma de Madrid) Spain
BBSRC	Biotechnology and Biological Sciences Research Council Swindon, UK	CBRI	Center for Blood Research Boston, USA
BIOTEC	Biotechnological Centre of the Dresden University of Technology (Biotechnologisches Zentrum der Technischen Universität Dresden), Germany	CEA	Atomic Energy Commission (Commissariat à l'Energie Atomique) Grenoble, France
BM:BWK	Federal Ministry for Education, Science and Culture (Bundesministerium für Bildung, Wissenschaft und Kultur) Vienna, Austria	CEBIMAR	Center of Marine Bioactive Substances Havana, Cuba
BMBF	Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung) Bonn, Germany	CERN	European Organization for Nuclear Research Geneva, Switzerland
BRIC	Biotech Research and Innovation Centre Copenhagen, Denmark	CIB	Centre of Biological Research (Centro de Investigaciones Biológicas) Madrid, Spain
BTI	Boyce Thompson Institute for Plant Research Ithaca, USA	CIHR-IRCM	Canadian Institutes of Health Research Clinical Research Institute of Montreal (Instituts de recherche en santé du Canada l'Institut de recherches cliniques de Montréal) Canada
BUTE	Budapest University of Technology and Economics Hungary	CIML	Marseille Luminy Immunology Centre (Centre d'Immunologie de Marseille Luminy) France
CABD	Developmental Biology Institute (Centro Andaluz de Biología del Desarrollo) Seville, Spain		

organizations and ACRONYMS

CIPF	The Prince Felipe Research Centre (Centro de Investigación Príncipe Felipe) Valencia, Spain	CRG	Center for Genomic Regulation (Centre de Regulacio Genomica) Barcelona, Spain
CMU	University of Geneva Medical Centre (Centre Médical Universitaire, Université de Genève) Switzerland	CRU-CHL	Cancer Research UK, London Research Institute: Clare Hall Laboratories South Mimms, UK
CNB	Spanish National Biotechnology Centre (Centro Nacional de Biotecnología) Madrid, Spain	CRU-LIFL	Cancer Research UK, London Research Institute: Lincoln's Inn Fields Laboratories London, UK
CNCR	Center for Neurogenomics & Cognitive Research Amsterdam, The Netherlands	CRU-TBL	Cancer Research UK, London Research Institute: Telomeres Biology Laboratory London, UK
CNIC	National Center of Scientific Investigations (Centro Nacional de Investigaciones Científicas) Havana, Cuba	CSDC	Center for the Study of Complex Dynamics (Centro Interdipartimentale per lo Studio di Dinamiche Complesse) Florence, Italy
CNIO	Spanish National Cancer Centre (Centro Nacional de Investigaciones Oncológicas) Madrid, Spain	CSHL	Cold Spring Harbor Laboratory USA
CNR-IBC	Italian National Research Council Institute of Cell Biology (Consiglio Nazionale delle Ricerche Istituto di Biologia Cellulare) Rome, Italy	CSIC	Spanish National Research Council (Consejo Superior de Investigaciones Científicas) Spain
CNRS	French National Center for Scientific Research (Centre National de la Recherche Scientifique) France	DBBM IOC- FIOCRUZ	Department of Biochemistry & Molecular Biology Oswaldo Cruz Institute Fiocruz, Rio de Janeiro, Brazil
CNRS-CGM	Centre of Molecular Genetics (Centre de Génétique Moléculaire) Gif-sur-Yvette, France	DIBIT	Department of Biological & Technological Research, San Raffaele Science Institute Milan, Italy
CNRS-CRBM	Macromolecular Biochemistry Research Center (Centre de Recherche de Biochimie Macromoléculaire) Montpellier, France	DKBW	Dept. of Clinical Biological Research University of Basel (Dept. Klinisch-Biologische Wissenschaften Universität Basel) Switzerland
CNRS-IGH	Institute of Human Genetics (Institut de Génétique Humaine) Montpellier, France	DKFZ	German Cancer Research Center (Deutsches Krebsforschungszentrum) Heidelberg, Germany
CRA	Council of Experimental Research in Agriculture Center for Genomic Research (Consiglio per la Ricerca e la Sperimentazione in Agricoltura Centro di Genomica) Firenze/Arca, Italy	EBRI	European Brain Research Institute Rome, Italy
		EEBMB	Hellenic Society for Biochemistry and Molecular Biology Athens, Greece
		EED	European Society for Evolutionary Developmental Biology Leiden, The Netherlands

EEZ	Zaidín Experimental Station (La Estación Experimental del Zaidín) Granada, Spain	FEBS	Federation of European Biochemical Societies (Europe-wide)
ELSF	European Life Sciences Forum Heidelberg, Germany	FESPB	Federation of European Societies of Plant Biology Heraklion, Greece
ELSO	European Life Scientist Organization Sandhausen, Germany	FIRC	Italian Cancer Research Foundation (Fondazione Italiana per la Ricerca sul Cancro) Milan, Italy
EMBL	European Molecular Biology Laboratory (Europe-wide)	FIUBA	Faculty of Engineering, University of Buenos Aires (Facultad de Ingeniería de la Universidad de Buenos Aires) Argentina
ENAC-ISTE	School of Architecture, Civil and Environmental Engineering – Institute of Environmental Science and Technology Swiss Federal Institute of Technology (Environnement Naturel, Architectural et Construit – Institut des Sciences et Technologies de l'Environnement Ecole Polytechnique Fédéral de Lausanne) Lausanne, Switzerland	FMI	Friedrich Miescher Institute for Biomedical Research Basel, Switzerland
EPFL	Swiss Federal Institute of Technology Lausanne (École Polytechnique Fédérale de Lausanne) Switzerland	FU	Free University (Freie Universität Berlin) Berlin, Germany
ERC	European Research Council Brussels, Belgium	GRC	Gordon Research Conferences West Kingston, USA
ESF	European Science Foundation Strasbourg, France	GRICES	Office for International Relations in Science and Higher Education (Gabinete de Relações Internacionais da Ciência e do Ensino Superior) Lisbon, Portugal
ETH	Swiss Federal Institute of Technology Zurich (Eidgenössische Technische Hochschule Zürich) Switzerland	GSF	National Research Center for Environment and Health (Forschungszentrum für Umwelt und Gesundheit) Neuherberg, Germany
ETH-IBC	Swiss Federal Institute of Technology Zurich Institute of Biochemistry (Eidgenössische Technische Hochschule Zürich) Switzerland	HFSP	Human Frontier Science Program Strasbourg, France
EU TMR	European Union's Research Training Networks – Training and Mobility of Researchers (Europe-wide)	HHMI	Howard Hughes Medical Institute USA
FASEB	Federation of American Societies for Experimental Biology Bethesda, USA	HINARI	Health InterNetwork Access to Research Initiative World Health Organization Geneva, Switzerland
FCT- DREBM	Foundation for Science & Technology – Department for European Bilateral and Multilateral Relations (Fundação para a Ciência e a Tecnologia – Departamento de Relações Europeias, Bilaterais e Multilaterais) Lisbon, Portugal	IAPTC&B	International Association for Plant Tissue Culture and Biotechnology Beijing, China
		IBB-PAS	Institute of Biochemistry and Biophysics Polish Academy of Sciences Warsaw, Poland
		IBCG	Institute of Cell Biology and Genetics Institut de Biologie Cellulaire et de Génétique Toulouse, France

organizations and ACRONYMS

IBCMIP	Cellular and Molecular Immunobiology of Infectious Parasites Pierre and Marie Curie University (Immuno-Biologie Cellulaire et Moléculaire des Infections Parasitaires, Université Pierre et Marie Curie) Paris, France	ICT	Institute of Chemical Technology Prague (Vysoká škola Chemicko-Technologická v Praze) Czech Republic
IBDC	Institute of Developmental Biology and Cancer (Institut de Biologie du Développement et Cancer) Nice, France	IEO	European Institute of Oncology (Istituto Europeo di Oncologia) Milan, Italy
IBDM	Developmental Biology Institute of Marseille (Institut de Biologie du Développement de Marseille) France	IFOM	FIRC Institute of Molecular Oncology (Istituto FIRC di Oncologia Molecolare) Milan, Italy
IBGC	Institute of Cellular Biochemistry and Genetics (Institut de Biochimie et Génétique Cellulaires) Bordeaux, France	IFREMER	French Research Institute for Exploitation of the Sea (Institut Français de Recherche pour l'Exploitation de la Mer) Plouzane, France
IBIVU	Centre for Integrative Bioinformatics of the Free University (Integrative Bioinformatics Institute Vrije Universiteit) Amsterdam, The Netherlands	IGB	Institute of Genetics Research "Adriano Buzzati Traverso" National Research Council (Istituto di Genetica e Biofisica "Adriano Buzzati Traverso" Consiglio Nazionale delle Ricerche) Naples, Italy
IBMB	Institute of Molecular Biology of Barcelona (Institut de Biologia Molecular de Barcelona) Spain	IGBMC	Institute of Genetics and Molecular and Cellular Biology (Institut de Génétique et de Biologie Moléculaire et Cellulaire) Illkirch, France
IBMC	Institute for Molecular and Cell Biology (Institut de Biologie Moléculaire et Cellulaire) Strasbourg, France	IGUC-DCG	Institute for Genetics of the University of Cologne Department of Cell Genetics Germany
IBMP	Institute of Plant Molecular Biology (Institut de Biologie Moléculaire des Plantes) Strasbourg, France	IHEM- CONICET	Institute of Histology and Embryology Argentinian Centre of Science and Technology (Istituto de Histología y Embriología Centro Regional de Investigaciones Científicas y Tecnológicas) Mendoza, Argentina
IBPC	Institute of Biology and Physical Chemistry (Institut de Biologie Physico-Chimique) Paris, France	IBBA- CONICET	Institute of Biochemical Research Buenos Aires – Argentinian Centre of Science and Technology (Istituto de Investigaciones Bioquímicas Buenos Aires – Consejo Nacional de Investigaciones Científicas y Técnicas) Argentina
ICGEB	International Centre for Genetic Engineering and Biotechnology Trieste, Italy	IJM	Jacques Monod Institute (L'Institut Jacques-Monod) Paris, France
ICIDCA	Cuban Research Institute on Sugarcane By-Products (Instituto Cubano de Investigaciones de los Derivados de la Caña de Azúcar) Havana, Cuba	IMBA	Institute of Molecular Biotechnology of the Austrian Academy of Sciences (Institut für Molekulare Biotechnologie der Österreichischen Akademie der Wissenschaften) Vienna, Austria
ICL-DMB	Imperial College of London Division of Molecular Biosciences UK		
ICO	Catalan Institute of Oncology (Institut Català d'Oncologia) Barcelona, Spain		

IMBB-FORTH	Institute of Molecular Biology & Biotechnology Heraklion, Greece	INTA	National Institute for Agricultural Technology (Instituto Nacional de Tecnología Agropecuaria) Buenos Aires, Argentina
IMCB	Institute of Molecular and Cellular Biosciences The University of Tokyo Japan	IPBO	Plant Biotechnology Institute for Developing Countries Gent University (Instituut voor Plantenbiotechnologie voor Ontwikkelingslanden Universiteit Gent) Belgium
IMCR	Institute of Molecular Cancer Research University of Zurich Switzerland	IPMC	Institute of Molecular and Cellular Pharmacology (Institut de Pharmacologie Moléculaire et Cellulaire) Valbonne, France
IMG	Institute of Microbiology and Genetics Technical University of Darmstadt (Institut für Mikrobiologie und Genetik Technische Universität Darmstadt) Germany	IRB-BSC	Institute for Research in Biomedicine / Barcelona Supercomputer Center (Centro Nacional de Supercomputing) Spain
IMG	Institute of Molecular Genetics (Ústav molekulární genetiky AV CR) Prague, Czech Republic	IRCC	Institute for Cancer Research and Treatment Torino, Italy
IMM	Molecular Medicine Institute (Instituto de Medicina Molecular) Lisbon, Portugal	IRIBHM	Institute of Interdisciplinary Research in Human and Molecular Biology (Institut de Recherche Interdisciplinaire en Biologie Humaine et Moléculaire) Brussels, Belgium
IMP	Research Institute of Molecular Pathology (Forschungsinstitut für Molekulare Pathologie) Vienna, Austria	IRTA	Institute for Food and Agricultural Research and Technology (Institut de Recerca i Tecnologia Agroalimentàries) Barcelona, Spain
IMT	Institute for Molecular Biology and Tumour Research Philipps University Marburg (Institut für Molekularbiologie und Tumorforschung Philipps-Universität Marburg) Germany	ISE	Initiative for Science in Europe Heidelberg, Germany
InCoB	International Conference in Bioinformatics Department of Biotechnology, Government of India New Delhi, India	ISIS-ULP	Institute of Supermolecular Science and Engineering Louis Pasteur University (Institut de Science et d'Ingénierie Supramoléculaires, Université Louis Pasteur) Strasbourg, France
INGEBI	Institute for Research in Genetic Engineering and Molecular Biology (Instituto de Ingeniería Genética y Biología Molecular) Buenos Aires, Argentina	ISME	International Society for Microbial Ecology Vienna, Austria
INRA	French Institute for Agricultural Research (L'Institut National de la Recherche Agronomique) Toulouse, France	ISPMB	International Society for Plant Molecular Biology Athens, USA
INSERM	French National Institute for Health and Medical Research (Institut National de la Santé et de la Recherche Médicale) France	ISREC	Swiss Institute for Experimental Cancer Research (Institut Suisse de Recherche sur le Cancer) Epalinges, Switzerland

organizations and ACRONYMS

ISV	Plant Science Institute (Institut des Sciences du Végétal – UPR 2355) Gif-sur-Yvette, France	LRI	Cancer Research UK London Research Institute UK
IWR	Interdisciplinary Center for Scientific Computing of the Ruprecht Karls University of Heidelberg (Interdisziplinäres Zentrum für Wissenschaftliches Rechnen der Ruprecht-Karls-Universität Heidelberg) Germany	LSRC- SCBCT	Lund Strategic Research Center for Stem Cell Biology and Cell Therapy Sweden
KTH	Royal Institute of Technology (Kungliga Tekniska Högskolan) Stockholm, Sweden	LU-DCMP	Division for Cellular and Molecular Pharmacology Department of Experimental Medical Science Lund University (Cellulär och Molekylär Farmakologi Lunds Universitet) Sweden
LBI-CR	Ludwig Boltzmann Institute for Cancer Research (Ludwig Boltzmann Institut für Krebsforschung) Vienna, Austria	LVMS	Laboratory of molecular and structural virology (Laboratoire de Virologie Moléculaire et Structurale) Gif-sur-Yvette, France
LBME	Laboratory of Eukaryotic Molecular Biology, (Laboratoire de Biologie Moléculaire des Eucaryotes) Toulouse, France	MEC	Ministry of Education and Science (Ministerio de Educación y Ciencia) Madrid, Spain
LBMMS	Laboratory for Biological and Medical Mass Spectrometry Uppsala, Sweden	MIT	Massachusetts Institute of Technology Cambridge, USA
LCGTI	The Lautenberg Center for General and Tumour Immunology The Hebrew University Hadassah Medical School Jerusalem, Israel	MPI	Max Planck Institute (Max-Planck-Institut) Germany
LICR	Ludwig Institute for Cancer Research (international)	MPI-CBG	Max Planck Institute of Molecular Cell Biology and Genetics (Max-Planck-Institut für molekulare Zellbiologie und Genetik) Dresden, Germany
LMGM	Laboratory of Microbiology and Molecular Genetics (Laboratoire de Microbiologie et Génétique Moléculaires) Toulouse, France	MRC	Medical Research Council United Kingdom
LMU	Ludwig Maximilian University (Ludwig-Maximilians-Universität) Munich, Germany	MRC-LMB	Medical Research Council Laboratory of Molecular Biology Cambridge, UK
LNCIB	National Laboratory, Interuniversity of Biotechnology (Laboratorio Nazionale, Consorzio Interuniversitario Biotechnologie) Trieste, Italy	MSSM	Mount Sinai School of Medicine New York, USA
LPCMP	Laboratory of Cellular and Molecular Plant Physiology (Laboratoire de Physiologie Cellulaire et Moléculaire des Plantes) Ivry-sur-Seine, France	MTA	Hungarian Academy of Sciences (Magyar Tudományos Akadémia) Budapest, Hungary
		NCMLS	Nijmegen Centre for Molecular Life Sciences The Netherlands
		NIMR	National Institute for Medical Research London, United Kingdom

NIOB	Netherlands Institute for Developmental Biology – The Hubrecht Institute (Nederlands Instituut voor Ontwikkeling Biologie – Het Hubrecht Instituut) Utrecht, The Netherlands	UAB-DBMB	Autonomous University of Barcelona Department of Biochemistry and Molecular Biology (Universitat Autònoma de Barcelona Institut de Bioquímica i Biologia Molecular) Bellaterra, Spain
NKI-AVL	The Netherlands Cancer Institute – Antoni van Leeuwenhoek Hospital (Het Nederlands Kanker Instituut – Antoni van Leeuwenhoek Ziekenhuis) Amsterdam, The Netherlands	UCB	University of California Berkeley USA
NLGB	National Laboratory of Genomics for Biodiversity Center for Research and Advanced Studies of the National Polytechnic Institute (Laboratorio Nacional de Genómica para la Biodiversidad Centro de Investigación y Estudios Avanzados del Instituto Politécnico Nacional) Irapuato, Mexico	UCLA	University of California Los Angeles USA
NPG	Nature Publishing Group London, UK	UCSD	University of California San Diego USA
NPHI	National Public Health Institute Helsinki, Finland	UCSF	University of California San Francisco USA
PICR	Paterson Institute for Cancer Research Manchester, UK	UG-FM	University of Geneva Faculty of Medicine Switzerland
PUMPKIN	Centre for Membrane Pumps in Cells and Disease Aarhus, Denmark	UHIB	University of Helsinki Institute of Biotechnology (Helsingin Yliopisto Biotekniikan Instituutti) Finland
SBC	Stockholm Bioinformatics Center Stockholm University Sweden	UMC	University Medical Center Utrecht The Netherlands
SIBS-HHMI	Salk Institute for Biological Studies, Howard Hughes Medical Institute La Jolla, USA	UMC St Radboud	Radboud University Medical Centre (UMC St Radboud) Nijmegen, The Netherlands
SNF	Swiss National Science Foundation (Schweizerische Nationalfonds) Bern, Switzerland	UMC-DEO	University Medical Center Utrecht Division of Experimental Oncology Institute for Developmental Biology and Oncology The Netherlands
TIGEM	Telethon Institute of Genetics & Medicine Naples, Italy	UMH	University of Alicante (Universidad Miguel Hernández de Elche) Spain
		UMR GenHort	Unités Mixtes de Recherche – Génétique et Horticulture Beaucouzé, France
		UNIL	University of Lausanne (Université de Lausanne) Switzerland

organizations and ACRONYMS

UNIL-CIG	University of Lausanne Center for Integrative Genomics (Université de Lausanne Faculté de Biologie et de Médecine) Switzerland	WWU	Westphalian Wilhelm University Institute for Zoology (Westfälischen-Wilhelms Universität Institut für Zoologie) Muenster, Germany
UO-UL	Oculogenetic Unit University of Lausanne (Unité d'Oculogénétique Université de Lausanne) Switzerland	ZMBH	Centre for Molecular Biology University of Heidelberg (Zentrum für Molekulare Biologie der Universität Heidelberg) Germany
UoD- DBCMM	University of Dundee Division of Biological Chemistry and Molecular Microbiology UK	ZMBP	Center for Plant Molecular Biology University of Tuebingen (Zentrum für Molekularbiologie der Pflanzen Universität Tuebingen) Germany
UPMC	Pierre and Marie Curie University (Université Pierre et Marie Curie) Paris, France		
URGV	Plant Genomics Research (Unité de Recherche en Génomique Végétale) Evry, France		
USD-DBMB	University of Southern Denmark Department of Biochemistry and Molecular Biology (Syddansk Universitet Institut for Biokemi og Molekylær Biologi) Odense, Denmark		
VIB	Flanders Interuniversity Institute for Biotechnology (Vlaams Interuniversitair Instituut voor Biotechnologie) Gent, Belgium		
WEHI	The Walter and Eliza Hall Institute of Medical Research Melbourne, Australia		
WHO	World Health Organization Geneva, Switzerland		
WIMM	The Weatherall Institute of Molecular Medicine University of Oxford John Radcliffe Hospital UK		
WMCCU	Weill Medical College of Cornell University Ithaca, USA		
WTCCB	Wellcome Trust Centre for Cell Biology University of Edinburgh, UK		



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