

EMBO | EMBC
annual report 2005



EMBC

EUROPEAN MOLECULAR BIOLOGY ORGANIZATION | EUROPEAN MOLECULAR BIOLOGY CONFERENCE

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Frank Gannon
EMBO Executive Director
EMBC Secretary General

An awkward time warp surrounds annual reports. The purpose of this type of publication is to look back at the activities of the past year. This can be a strange exercise for an organisation like EMBO, where the emphasis is on dynamism and moving forward with initiatives that have a lasting impact on European research. One key benefit of this retrospective exercise, however, is the opportunity to review the overall impact of events in 2005 and set benchmarks for future activities.

Taking a single snap-shot of 2005, the overwhelming image is one of increasing demand for EMBO activities. EMBO programmes were more popular in 2005 than ever before. Long-term and short-term fellowship applications were up and requests for funding of EMBO Courses and Workshops increased dramatically. This points to a growing need and appreciation within the scientific community for these activities.

Participation in EMBO Courses, Workshops and Conferences also reached an all-time high with more than 5,000 researchers benefiting from this high standard of training. Add to this participation in the EMBO Young Investigator Programme, other networking activities and Science & Society meetings, and the direct impact of EMBO on scientists – particularly in Europe – becomes even more apparent.

All of this is possible because of the engagement of the scientific community. For example, in 2005 EMBO Members evaluated more than

1200 applications for long-term fellowships and interviewed 600 candidates as part of the selection process. This kind of input from the EMBO community is a striking demonstration of the effectiveness of EMBO as an organisation run by scientists for scientists and helps us to deliver activities that fulfil the needs of the broader scientific community as they arise.

EMBO journals also continued to play a major role and 2005 saw the launch of *Molecular Systems Biology* as a collaborative venture between EMBO and Nature Publishing Group (NPG). The first journal to be dedicated solely to the emerging field of systems biology at the molecular level, *Molecular Systems Biology* also represents the first publication by EMBO of a journal along the open-access model. This electronic journal will work together with the systems biology community to help structure this emerging field and to establish guidelines, standards and metrics for global complex datasets.

In addition to this direct input into research and scientific development, EMBO continued to extend its influence on national and European science policy in 2005. In its role as an advisory body to the EMBC Member States, EMBO carried out a major review of the life sciences strategy of the Spanish National Research Council (CSIC), as well as a more detailed assessment of one of the largest units of CSIC, the Spanish National Biotechnology Centre (CNB). These reviews are

examples of EMBO's contribution to raising the standards in science across Europe.

A more widely distributed effort, but one in which EMBO was a lead player, resulted in the establishment of the European Research Council (ERC). The Scientific Council of the ERC was selected in 2005, with five EMBO Members and one EMBO Young Investigator contributing to the calibre of its membership. Again in the EU arena, EMBO and ELSF organised a petition for greater funding for the framework programme, attracting almost 20,000 signatures. 2005 also saw EMBO analyse current policy surrounding the use of animals in research. The results were communicated to the EMBC Delegates in a special hearing, maximising the benefit of this unique linkage between scientists, as represented by EMBO, and policy-makers, as represented by EMBC.

A further initiative by EMBC in 2005 was the establishment of a programme of EMBO Installation Grants. This scheme will launch in

2006 and is designed to strategically strengthen research in the EMBC Member States. EMBC also added to its membership in 2005 with the formal ratification of the EMBC Agreement by Estonia and acceptance of the Slovak Republic as a new partner in this truly European consortium.

This look in the rear-view mirror shows that EMBO and EMBC have covered many miles in 2005 and that the resulting benefits are being felt in laboratories all over Europe. The challenge to maintain this progressive contribution to European research remains and will continue to occupy the EMBO Members, Council, management, committees and EMBC such that the 2006 report has even more good news to convey.

A handwritten signature in black ink, appearing to read "Frank Gannon". The signature is stylized and fluid, with a large initial "F" and "G".



Susan Gasser
EMBO Council Chair

For over 40 years EMBO has promoted European molecular biology. During the last five of these I have had the privilege to serve as either Vice-Chair or Chair of the EMBO Council. I leave that duty, no doubt like all Council Chairs before me, convinced that EMBO plays an absolutely crucial role in the European scientific arena. EMBO is unique in that it was created by scientists to serve scientists' needs. But more than that, it is involved in shaping the social fabric of our continent, as science becomes increasingly relevant to the life of every European citizen. Furthermore, EMBO provides an important demonstration of how bottom-up administration can be rapidly responsive to the ever-changing landscape of social and scientific attitudes and needs.

EMBO is concerned first and foremost with its core activities, which are pursued by a dedicated staff that maintains rigorous standards while keeping an eye on innovation. In addition, EMBO is constantly forging novel tools to promote science at local, national and international levels – thereby evolving to match new challenges. Nothing exemplifies this better than EMBO's role in leading the way towards a European Research Council, which will unify and extend funding possibilities by providing a new tool for competitive awards through EU support.

What has EMBO achieved over the past year? Here I recap a few highlights among the EMBO core activities that have led to novel endeav-

ours in publishing, in programmes that support and encourage younger scientists and in tools that help scientists in countries that are developing a modern research infrastructure.

After the departure of *Iain Mattaj* as Executive Editor of *The EMBO Journal*, this important position was filled by another EMBL research scientist, *Pernille Rørth*. In 2005, Pernille integrated smoothly into the team and the journal is doing well under her guidance. Pernille is supported by a panel of Senior Editors that includes *Tim Hunt*, *Tony Hunter*, *Ari Helenius* and *David Baulcombe*. Given the breadth of *The EMBO Journal*, this additional input from top scientists from different fields is highly beneficial. The Senior Editors – who served their first full year in 2005 – are helping on judgement calls as well as bringing unconventional and insightful papers into the journal.

Efforts to expand the links between *The EMBO Journal* and *EMBO reports* were continued in 2005, with the aim of increasing the impact of science published in both journals. Each journal's website now features highlights from the other. A further push in this direction has resulted in cross-publication of the tables of contents in the print versions of the journals.

The biggest news on the publishing front in 2005, however, was the launch of *Molecular Systems Biology* – an open access, electronic journal developed together with Nature Publishing Group (NPG). *Molecular Systems Biology* is

led by a panel of Senior Editors with outstanding credentials and a small editorial team at EMBO. This venture is allowing EMBO to test new modes of publishing while simultaneously exploring the latest field of biological research. As the first electronic-only molecular systems biology journal, *Molecular Systems Biology* is another indicator of EMBO's innovation.

EMBO's central activities continue to be the Fellowship Programme, Courses & Workshops Programme and Young Investigator Programme. As proof of their importance we note a continual increase in applications for EMBO Long-Term Fellowships – now reaching over 1200 – and a record number of applications to the EMBO Courses & Workshops Programme.

The Young Investigator Programme is becoming increasingly well-known and its networking activities are much appreciated. The fact that other organisations are developing their own programmes to honour outstanding, newly independent scientists indicates how visionary EMBO's initiatives were.

I leave the EMBO Council in the capable hands of *Tim Hunt* and *Erik Boye* (Vice-Chair), and I am sure that, together with *Frank Gannon* and the entire EMBO staff, they will continue the remarkable EMBO tradition of delivering what science and scientists want and need.

A handwritten signature in black ink, reading "Susan Gasser". The signature is written in a cursive style with a period at the end.



Marja Makarow
EMBC President

The uncertainty of a researcher’s career is one of the major problems in the European Research Area. It has arisen mainly because national and international funding instruments are fragmented, and universities and many other research institutions lack a coherent ladder of promotion. In addition, inflexibility can be a major impediment to the career path. For example, extramural competitive funding usually does not provide a salary and thus does not contribute to career progression. Also, mobility between public and corporate research organisations is often difficult.

All in all, the career path of a scientist in Europe is highly unpredictable, regardless of a researcher’s merit. This becomes a burning science policy issue because the less attractive research is as a career, the more often Europe loses talent to other parts of the world.

EMBC and EMBO have been working for many years to make European research in the life sciences attractive and competitive. With a founding goal of promoting and improving the standard of molecular biology in Europe, EMBO has been organising training courses and workshops since its beginnings, as well as selecting the best young scientists for post-doctoral fellowships. EMBC was created to secure funding for those activities as their value became recognised. For decades EMBC and EMBO have been taking measures to provide young researchers with skills and professional international experi-

ence that would benefit their careers. Together, the two organisations have trained new generations of scientists to carry out high-quality research with an open mind and a broad skills base. Most EMBO Fellows return to either their home country or another European country after their post-docs. However, at this point researchers are challenged with career path uncertainties.

EMBC and EMBO approached this problem by creating the EMBO Young Investigator Programme in 2000. Annually, this initiative selects about 20 young principal investigators from approximately 150 high-quality applicants. Although the financial award, paid mostly by the researcher’s country, is not very high, the “quality label” and promotional activities associated with the award significantly enhance the young investigators’ standing within the scientific community, thereby contributing to their success in securing funding. Networking activities are also a major benefit of the programme. Each young investigator is paired with a mentor – typically a high profile EMBO Member – and linked into a growing international network of young investigators. Awardees are also given the opportunity to participate in courses on laboratory management and other skills essential for leaders of research groups, as well as sending members of their laboratories to training courses.

The Young Investigator Programme on its own is not enough, given the high number of

talented researchers relative to the number of such awards. Also, there is a particularly strong need for support of independent researchers in countries that are at a developmental stage in their life sciences research programmes. Thus, EMBC and EMBO have been working to establish another initiative, the EMBO Installation Grants. Under this scheme, EMBC Member States in a development phase with regard to molecular biology research can allocate funds for researchers, who wish to return or move to these countries to establish their own laboratories. EMBO's role will be to provide expert assistance in choosing the awardees. The founding countries of this initiative will be Croatia, the Czech Republic, Estonia, Poland, Portugal and Turkey. As this activity grows from an earlier joint initiative between the Young Investigator

Programme and the Howard Hughes Medical Institute (HHMI), it shows how EMBC and EMBO adapt and develop their activities to match the changing needs of European science.

As is clear from this annual report, joint efforts by EMBC and EMBO are bringing about solutions to problems arising in the European Research Area. Obviously, more answers to new questions will be required as the area evolves, and EMBC will continue to bring together governmental representatives and leading scientists to effect government funding of initiatives in support of science. Hopefully, EMBC actions will have a lasting impact on the scientific community such that a research career in Europe is viewed as an attractive and fulfilling option for bright young people.

A handwritten signature in black ink, appearing to be 'M. G. ...', written in a cursive style.

PAST & PRESENT

EMBO

EMBC

EMBL



timeline & brief history

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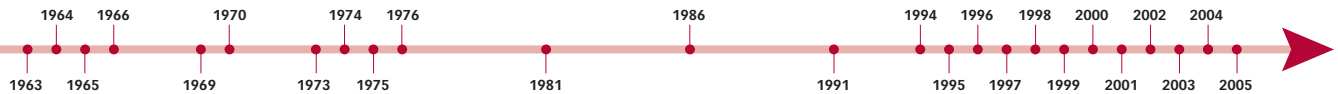
EMBO actions 2005

page 17–18

EMBC actions 2005

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EMBO | timeline



- | | | |
|--|--|---|
| 1963 Election of first EMBO officers | 1986 EMBO Gold Medal launched | 2001 EMBO moves to new building |
| 1964 EMBO incorporated as a non-profit organisation and appoints 200 members | 1991 EMBO East European Fellowships established (discontinued in 1994) | 2002 EMBO Restart Fellowships initiated (integrated into long-term fellowship scheme in 2004); EMBO Award for Communication in the Life Sciences launched |
| 1965 <i>Raymond Appleyard</i> appointed Executive Secretary of EMBO | 1994 <i>Frank Gannon</i> appointed Executive Director of EMBO | 2003 Review of French Genopole System |
| 1966 Funding for nine long-term and 22 short-term fellowships and the first three practical courses secured by the <i>Volkswagen Stiftung</i> | 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 |
| 1969 Governments of 14 member states establish the European Molecular Biology Conference (EMBC) | 1996 EMBO Lectures and EMBO Members Workshop established; EMBO Fellows Network started; Science & Society activities initiated | 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) |
| 1970 Formal ratification of EMBC | 1997 Review of Finland Biotechnology Programme | |
| 1973 <i>John Tooze</i> appointed Executive Secretary of EMBO | 1998 European Biotechnology Node for Interaction with China (EBNIC) established under EMBO co-ordination | |
| 1974 EMBL established by EMBC | 1999 Sectoral meetings started; Review of Hungarian biology | |
| 1975 EMBO Annual Symposium (discontinued 1994) | 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 | |
| 1976 Statement from EMBO on recombinant DNA technology | | |
| 1981 <i>The EMBO Journal</i> launched | | |

History

The origins of EMBO date back to 1963, when a group of leading European biologists gathered in Ravello, Italy to discuss proposals by *John Kendrew* and *Conrad Waddington* to establish a laboratory and an organisation to promote co-operation in molecular biology. Both proposals were endorsed at this meeting 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 molecular biology laboratory and the establishment of networking activities to enhance interactions between European laboratories. To pursue these goals, two committees were set up: the Laboratory Committee, whose efforts led to the subsequent establishment of the European Molecular Biology Laboratory (EMBL); and the Federal Organisation Committee, which became the motor for the EMBO Courses & Workshops Programme and the Fellowship Programme. 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 the late *Eduard Kellenberger*, one of EMBO's founding members, EMBO was awarded official legal status on 12 July 1964. Start-up funding for the organisation was generously provided by the Volkswagen Foundation and enabled EMBO to get its first networking activities underway, providing fellowships and practical courses. EMBO also elected 200 biologists as its first members.

The EMBO Council worked hard to secure long-term funding for EMBO activities and in 1969 the governments of 14 member states came together to establish the European Molecular Biology Conference (EMBC). The formal ratification of this intergovernmental organisation followed in 1970. EMBC adopted the activities initiated 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, ten of the EMBC Member States came together in 1974 to form EMBL as an independent intergovernmental organisation.

Today EMBC has grown to 25 member states including most of the European Union (EU) and some neighbouring countries.

EMBO

EMBO works with leading researchers to promote excellence in the molecular life sciences in Europe. The organisation supports transnational mobility, training and exchange at all stages of the scientific career through a number of programmes and initiatives. These fall into two distinct categories: those that make up the EMBC-funded General Programme, and those that are initiated and developed independently by EMBO.

The EMBC General Programme includes well-known activities such as fellowships for long-term and short-term laboratory visits, the funding of practical courses and workshops, and activities highlighting young independent researchers of high quality. In addition, EMBC supports activities that foster an open dialogue between scientists and non-scientists, as well as web-based services for EMBO's programmes and communities.

In recent years, EMBO has pursued a strategy of analysing European science and developing new activities to meet the needs of the molecular biology community. EMBO pilots and funds these new actions to determine the potential benefit of adding them to the more permanent EMBC programme. The funding of such activities comes predominantly from the scientific journals EMBO publishes. Support is also procured in the form of grants, particularly from the EU or occasionally through collaborations with international organisations.

EMBO also supports the scientific community through its journals. *The EMBO Journal* and *EMBO reports* are already well established in the scientific literature. The newest journal, *Molecular Systems Biology*, is a unique venture for EMBO in that it is solely electronic and based on an open-access business model. The journal was launched in March 2005 and is the first online publication to be dedicated to the emerging field of molecular systems biology.

The backbone of all EMBO activities is its membership. EMBO elects new members annually on the basis of proven excellence in research. Today, EMBO has over 1200 members in Europe and over 60 associate members worldwide, providing a dedicated focal point for the vast network of molecular biology. EMBO Members are some of the leading researchers in Europe, amongst them 38 Nobel laureates. The members provide valuable input to EMBO in all of its activities and formally through their participation in various EMBO committees.

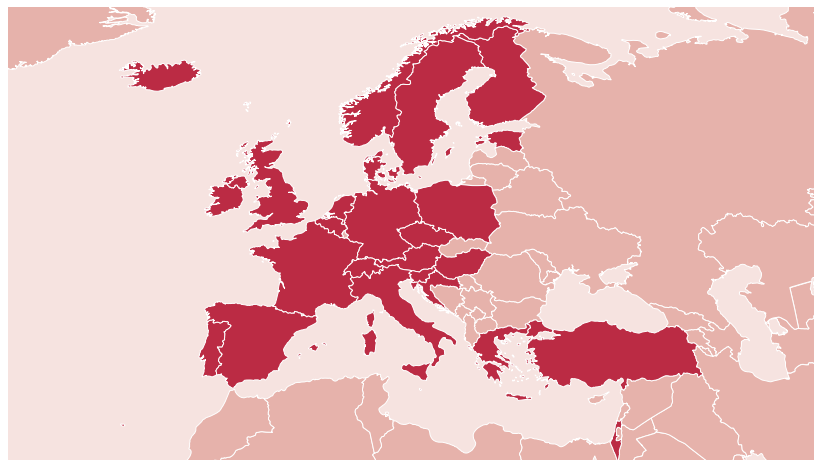
EMBO activities are delivered by a dedicated team of managers, administrators and editors at the EMBO headquarters in Heidelberg (see page 126). The EMBO Council is also intensely engaged in EMBO actions and contributes decisively to the direction of the organisation by providing input on scientific standards and policy. The Council regularly examines the range of EMBO activities, monitoring their effectiveness and making recommendations for changes.

EMBC

EMBC is an intergovernmental organisation comprising 25 member states. Founded in 1969 and ratified in 1970, it supports and finances the actions of EMBO, bringing quality scientific initiatives to Europe. EMBC promotes a strong pan-European approach to research and its membership includes most of the EU as well as some neighbouring countries (see table).

EMBC supports a wide range of EMBO activities as part of its General Programme. Long-standing initiatives such as the EMBO Fellowship Programme and the Courses & Workshops Programme still constitute the main focus of EMBC. In more recent years, the EMBC scope has expanded to include the Young Investigator Programme, Electronic Information Programme and Science & Society Programme.

EMBC and EMBO operate in harmony and are driven by a common commitment to quality research at the pan-European level. The actions of both organisations are characterised by selection on the grounds of quality and strong co-operation with the scientific community. EMBC has decision-making power over the funding and development of all EMBO activities associated with the EMBC General Programme, while EMBO has full responsibility for the delivery of these activities. The actions of EMBO are monitored and the overall programme is decided by the EMBC Delegates when they meet annually in conference.



EMBC Member States

The following countries make up the European Molecular Biology Conference (EMBC):

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

EMBC membership applications from Luxembourg and the Slovak Republic have been accepted and are awaiting formal ratification. Special provisions also exist for Cyprus.

*Formal ratification of the EMBC Agreement took place in January 2006.

→ For the scale of contributions by individual EMBC Member States see **page 53**

EMBL

The creation of a central molecular biology laboratory was one of the founding goals of EMBO. An EMBC Special Project and early efforts by the EMBO Council resulted in the establishment of EMBL. In 1974 EMBL became an independent entity supported by a subset of EMBC Member States. Today 18 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 in 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. Today these core functions are complemented by outreach activities in the areas of science and society and training for science teachers. EMBL is independent from EMBC and EMBO, but all three act in a mutually supportive manner, both at a strategic and practical level. Full details of EMBL activities can be found on the laboratory's website at www.embl.org or in the EMBL Annual Report.



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

The EMBO Council met in Heidelberg on 4–5 October 2005. The decisions from this meeting are listed below, along with upcoming decisions and the outcomes of other EMBO activities.

Officer, committee and membership elections

→ *Susan Gasser* finished her term as Chair of EMBO Council at the end of 2005 and is replaced by *Tim Hunt* in 2006. *Erik Boye* was re-elected Vice-Chair.

→ *Benny Shilo* was newly elected to the EMBO Council for 2006–2008. For this period, *Margaret Buckingham* and *Maciej Żylicz* were re-elected, and *Marjori Matzke* and *David Shore* co-opted. Complete lists of the 2005 and 2006 members of the EMBO Council can be found on pages 54–57.

→ Complete lists of the 2005 and 2006 members of EMBO committees can be found on pages 54–57.

→ The EMBO Members and Associate Members elected in 2005 are listed on page 58–65.

Programme activities

→ Council accepted a proposal by the EMBO Fellowship Committee to assess all 2006 applications in a gender-neutral manner. This means that all reference to gender will be removed

from application documents. The aim is to compare the results with data from previous years to establish whether gender has any impact on selection.

→ As of 2006 EMBO will contribute 100,000 euro toward the provision of child-care support for female fellows with pre-school children.

→ It was decided that EMBO will phase out its involvement in its literature and gene search engine, E-BioSci (see page 29).

Strategy analysis

→ The EMBO Council and EMBC will meet in April 2006 to analyse interactions between the two organisations.

→ A special meeting of the EMBO Council and the EMBO management will be held in Zurich in March 2006. The focus of this meeting will be the future strategy of EMBO, with a concrete analysis of where EMBO should be in 2015.



EMBO officers for 2005

Susan Gasser

Chair, EMBO Council

Erik Boye

Vice-Chair, EMBO Council

Christiane Nüsslein-Volhard

EMBO Secretary General

Maria Leptin

Chair, EMBO Membership Committee

Daniela Rhodes

Chair, EMBO Fellowship Committee

Pico Caroni

Chair, EMBO Course Committee

Regine Kahmann

Chair,
EMBO Young Investigator Committee

Roberto Sitia

Chair,
EMBO Science & Society Committee

Eric Westhof

Chair, EMBO Publications &
Electronic Information Committee

Tim Hunt replaces Susan Gasser as Chair of the EMBO Council as of January 2006.

Bernhard Huber and **Bärbel Traut-Laur** are responsible for EMBO's finances.



Claudia Hagedorn is the administrator for the EMBO membership and EMBO Council.



Other EMBO activities:

Awards

→ *Dario Alessi* of the University of Dundee, Scotland won the 2005 EMBO Gold Medal for his work on cell signalling (see page 37).

→ *Edwin Rydberg* from the IRBM P. Angeletti in Rome, Italy won the EMBO Science Writing Prize. As of 2006, this award will be fused with a similar EMBL writing prize.

Meetings

→ The annual EMBO Members Workshop was held in October 2005 in Warsaw, Poland. The meeting featured a mini-symposium on "Microbiology Today" and an EMBO Nobel Lecture given by EMBO Member, *Werner Arber*.

→ A follow-up neurobiology sectoral meeting also took place in October 2005, at the Institute of Neuroscience (INA) in Alicante, Spain. The meeting brought together more than 100 neurobiologists from the EMBO community and local institutes (see page 39).

European Research Council (ERC)

→ In May 2005 EMBO submitted a list of members for consideration to the ERC Identification Committee. These names were put forward after initial consultation with the EMBO Council and further nominations by the EMBO membership. Five EMBO Members and one EMBO Young Investigator were ultimately appointed to the ERC Scientific Council.

Members survey

→ A comprehensive online survey of the EMBO Members was carried out in autumn 2005. Approximately 33 percent of the EMBO Members responded and the data collected revealed a high level of satisfaction with the organisation.

National science reviews

→ In 2005 EMBO carried out two reviews of national science programmes (see page 36). The first assessed the Spanish National Biotechnology Centre (CNB) in Madrid, one of the largest units of the Spanish National Research Council (CSIC). This was followed by a broader, more strategic review of CSIC life sciences institutes.

In 2005 two formal sessions of EMBC took place in Heidelberg. In addition, the EMBC Strategic Working Party met on two occasions and there was one meeting of the Financial Advisory Group. The decisions resulting from these meetings are listed below.

Financial matters

→ The accounts for 2004 were accepted and the reports of the external and internal auditors were noted.

→ The Cost Variation Index (CVI) for 2006 was approved and the budget for 2006 agreed upon.

→ The financial rules were amended to define the membership of the EMBC Audit Committee as follows: Chair, Vice-Chair and representatives from Finland, France, Germany, Italy, Poland, Spain, Switzerland and the United Kingdom.

New initiatives

→ An EMBC Special Project supporting EMBO Installation Grants was established. The new funding scheme aims to strengthen the scientific infrastructure in particular EMBC Member States. The scheme will be announced officially early in 2006.

Membership issues

→ The application from the Slovak Republic for EMBC membership was accepted.

→ The application from the Republic of South Africa for co-operative status was positively received and a "Protocol of co-operation" was accepted. Formal ratification will follow in 2006.

→ It was decided that any country accepted for membership by EMBC would be given a limit of 18 months to sign the EMBC Agreement.

Interactions with other organisations

→ A plan of action for the co-ordination of strategies between EMBO, EMBL, EMBC and the EMBL Council was put into place. This includes a joint session of EMBC and the EMBL Council, to be held in July 2006.

→ The request from EMBC to receive advice from EMBO on science policy was acted upon, with a special hearing on the use of animals in research taking place prior to the formal EMBC meeting in November 2005. This initiative will be continued in November 2006, with a similar input of expert advice on the topic of stem cells.

EMBC also continued its series of special workshops in 2005. These workshops bring together key stakeholders from the research infrastructures of particular member states – providing a discussion forum for the role EMBC/EMBO plays in promoting basic research within that country and across Europe as a whole. Two workshops took place in 2005, the first in Berlin, Germany and the second in London, United Kingdom.

EMBC officers for 2005

Marja Makarow (Finland)
President

Krešimir Pavelić (Croatia)
Peter Weisbeek (Netherlands)
Vice-Presidents

Frank Gannon (EMBO)
Secretary General

Brita Beije (Sweden)
Chair, Financial Advisory Group

Maria Jose Almeida (Portugal)
Vice-Chair, Financial Advisory Group

All officers were re-elected for the year 2006.

→ For a list of all EMBC Delegates and Advisers see **pages 46–52**

Strategic Working Party members

Ahmet Ademoglu (Turkey)

Brita Beije (Sweden)

Isabella Beretta (Switzerland)

Eckhart Curtius (Germany)

Bernard Ehresmann (France)

Frank Gannon (EMBO)

Marja Makarow Chair (Finland)

Juan Modolell (Spain)

Krešimir Pavelić (Croatia)

Glaucio Tocchini-Valentini (Italy)

Peter Weisbeek (Netherlands)

Douglas Yarrow (United Kingdom)

EMBO & EMBC

PROGRAMMES & ACTIVITIES

2005



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The EMBO Fellowship Programme is renowned for its attention to scientific excellence with a rigorous selection process involving EMBO Members. EMBO Fellowships have funded thousands of talented young scientists since the programme was established in the 1960s. These awards facilitate movement between EMBC Member States and also between non-member states and member states for research visits of varying duration.

→ *Long-term fellowships* support post-doctoral scientists, usually for a period of two years.

→ *Short-term fellowships* support collaborative research visits for a period of up to three months, thereby allowing scientists to complement their research at home with new techniques.

→ The annual *EMBO Fellows Meeting* brings together long-term fellows in the final year of their fellowship. The young scientists have the opportunity to present the results of their research projects, learn about career opportunities and share their international experiences.

→ The biennial *North American meeting* keeps current and former long-term fellows now working in Canada and the USA up to date with developments in Europe. The meeting features scientific presentations by other members of the EMBO community as well as by representatives of various funding organisations. The next meeting is in San Diego in November 2006.

→ The *EMBO Fellows Network* keeps long-term fellows in touch with one another and abreast of developments at EMBO. By linking these promising young scientists with the broader EMBO community, the network fosters a sense of community and collaboration – providing a focal point for the fellows as they progress through their careers.

2005 HIGHLIGHTS

→ EMBO Long-Term Fellowships

1236 applicants / 198 awards
(16% success rate)

→ EMBO Short-Term Fellowships

383 applicants / 201 awards
(52% success rate)

→ EMBO Fellows Meeting

Heidelberg, Germany (72 participants)

→ For long-term fellowship trends and statistics see **pages 70–87**

→ For short-term fellowship trends and statistics see **pages 88–105**



Jan Taplick
Programme Manager



Liselott Maidment
Administrator,
long-term fellowships



Agnès Visser-de Matteis
Administrator,
short-term fellowships

Mary Gannon
Programme Manager



Zeynep Dinsi-Yararli
Administrator



Lynne Turnbull
Administrator,
Online HelpDesk



Departures

Kathy Oswald
Felise Fortmann
Administrators

The EMBO Courses & Workshops Programme has been facilitating scientific training and exchange throughout Europe since the founding of EMBO. The programme funds several types of meetings, providing quality training to scientists at all career levels and covering a wide range of topics in molecular biology.

→ *Practical courses* teach cutting-edge techniques to groups of up to 20 scientists, mainly from European laboratories.

→ *Lecture courses* provide up to 100 students with up-to-date information on a range of diverse topics.

→ *Workshops* bring together approximately 120 scientists from related yet distinct fields and foster high-level discussion on topics of common interest.

→ *Conferences* cater for larger groups, focusing on topical scientific issues and fostering collaboration.

→ *Conference series* support and strengthen European scientific communities by guaranteeing funding for a series of three conferences over a six-year period, alternating with corresponding meetings in the USA. Application opened in 2005 and the first meetings to be sponsored will take place in 2006.

→ *Symposia* are based on interdisciplinarity and are co-sponsored with other scientific organisations, currently the European Science Foundation (ESF).

2005 HIGHLIGHTS

→ EMBO Practical Courses

22 applications / 20 funded
973 applicants / 409 participants

→ EMBO Lecture Courses

9 applications / 5 funded
670 applicants / 375 participants

→ EMBO Workshops

32 applications / 20 funded
2277 applicants / 1995 participants

→ EMBO Conferences

10 applications / 8 funded
2283 applicants / 2130 participants

→ ESF-EMBO Symposia

4 applications / 3 funded
364 applicants / 266 participants

→ For a complete list of 2005 courses and workshops see **pages 112–117**

→ For a complete list of courses and workshops planned for 2006 see **pages 128–133**

In recent years, EMBO has made concerted efforts to raise its profile beyond Europe, particularly in countries with less established scientific infrastructures. EMBO World Activities have become an integral part of many EMBO programmes with the aim of attracting promising applicants from outside Europe and promoting international collaboration.

→ The *Courses & Workshops Programme* funds international courses, workshops and plenary lectures that take place outside Europe.

→ The *Fellowship Programme* has extended its eligibility criteria for short-term fellowships to encourage applications from outside Europe and to promote international exchange (see page 23).

→ The *Life Sciences Mobility Portal* (see page 29) has been extended to provide information on European funding sources and grant application procedures to interested scientists from outside Europe.

→ For a list of 2005 courses and workshops held outside Europe see **pages 113–116**

→ For a list of courses outside Europe planned for 2006 see **pages 129–130**

2005 HIGHLIGHTS

→ EMBO Practical Courses (World)

13 applications / 9 funded

423 applicants / 197 participants

→ EMBO Workshops (World)

3 applications / 3 funded

245 applicants / 210 participants

→ Fellowship applications from outside Europe

24 applicants / 15 awards (63% success rate)

Gerlind Wallon
Programme Manager



Kim Krynauw
Administrator



The EMBO Young Investigator Programme supports and promotes outstanding scientists in Europe during the early years of their independent careers. Awardees join a growing network that currently links over 170 scientists in 22 EMBC Member States. The benefits offered by the programme raise the young investigators' profiles in the scientific community and provide unique training opportunities. In 2005 a co-operation with the Howard Hughes Medical Institute (HHMI) also offered support to scientists setting up their first laboratories in Central Europe.

→ *Networking activities* include an annual meeting of the EMBO Young Investigators, exchanges between their laboratories, the annual EMBO Members Workshop and a mentorship programme involving the EMBO membership.

→ *Promotion* of individual scientists is supported by sponsorship of young investigator lectures at international meetings, publication of a promotional brochure highlighting the scientists' research and an invitation to write a review for *EMBO reports*.

→ *Training opportunities* include laboratory management courses for the young investigators, an annual PhD course for their students and international symposia on topics chosen by young investigators.

→ *Financial support* comes in the form of an annual 15,000 euro award from the individual EMBC Member States. In addition, a total of 175,000 euro in top-up support is available from EMBO.

The EMBO Young Investigators also receive a free subscription to *EMBO reports* and free on-line access to *The EMBO Journal*.

2005 HIGHLIGHTS

→ EMBO Young Investigator awards

128 applicants / 17 awards (13% success rate)

→ EMBO/HHMI Startup Grants

39 applicants / 6 awards (15% success rate)

→ 5th EMBO Young Investigator Meeting

Heidelberg, Germany (54 participants)

→ 3rd EMBO Young Investigator Programme Symposium "Quantitative Biology"

Heidelberg, Germany (100 participants)

→ EMBO Laboratory Management Courses

Heidelberg, Germany (62 participants, 4 courses)

→ 4th EMBO Young Investigator PhD Course

Heidelberg, Germany (36 participants)

→ EMBO/HHMI Central European Scientists Meeting

Budapest, Hungary (132 participants)

→ For a list of young investigators selected in 2005 see **page 106**

→ For a list of programme events in 2006 see **page 136**

→ For statistics and a list of young investigator lectures see **pages 107–111**

EMBO promotes the highest standards of research throughout its member states at all stages of the scientific career. In recent years, EMBO has made efforts to assess and act on imbalances or uncertainties in this career path – examining the potential differences and difficulties for particular groups including female scientists and all researchers with child-care commitments.

→ EMBO actively monitors *gender balance* in the life sciences generally and in EMBO-sponsored activities, so that the cause of any imbalances can be analysed and addressed.

→ Special conditions are offered to *long-term fellows* with children. These include paid maternity or paternity leave, the option of a part-time work schedule and special restart conditions (e.g. waiver of the requirement to move country). As of 2006, additional crèche support will be offered to women with children under six years of age.

→ For statistics see **pages 120–123**

→ EMBO is acutely aware of the low representation of women in senior positions in science in spite of equal representation at the graduate level. In an effort to improve this particular imbalance, EMBO offers female *young investigator* candidates with children an extension of the eligibility period for the award.

2005 HIGHLIGHTS

→ **EMBO/FEBS Workshop on Women in Science**
“Creating awareness: Lessons from the MIT study”
by Nancy Hopkins (MIT) at annual FEBS Congress,
Budapest, Hungary

Andrew Moore
Programme Manager



Alessandra Bendiscioli
Administrator



The Science & Society Programme supports scientists in their communication with non-scientists, encourages multidisciplinary dialogue with the public and contributes to improvements in biology education and science policy-making. A diverse range of activities promotes the development and communication of modern biology.

→ *Multidisciplinary Science & Society Conferences* are organised annually in collaboration with EMBL.

→ The *Award for Communication in the Life Sciences* is presented annually to a practising life scientist for outstanding communication with the public.

→ *International workshops on secondary school biology education* are an annual forum for biology teachers to update their knowledge and skills, exchange information and meet other teachers and scientists.

→ *Media workshops* give young scientists a chance to learn how the media works and practise communication skills with professional journalists.

→ The *EMBO Science Writing Prize* is awarded annually for an innovative and engaging piece of writing that communicates science to non-scientist readers. In 2006 the prize will be awarded jointly with EMBL.

→ A *small grants scheme* for science and society initiatives helps practising life scientists to initiate public communication or outreach activities.

→ *Focus meetings on science policy topics* bring together specialists from different disciplines to produce documents that inform policy-making, covering issues ranging from careers in the life sciences to stem cell research.

→ For a list of programme events in 2006 see **page 137**

2005 HIGHLIGHTS

→ **6th EMBO/EMBL Joint Conference on Science & Society**
"Science and Security"
Heidelberg, Germany
193 participants

→ **4th EMBO International Workshop for Biology Teachers**
Heidelberg, Germany
125 participants from
24 countries

→ **EMBO Science Writing Prize**
goes to Edwin Rydberg
(see page 18)

→ **Policy activities**
briefing paper on
the use of animals in
biomedical research
(available on website)

→ **EMBO Award for Communication in the Life Sciences**
goes to Edoardo Boncinelli
(see page 38)

→ **5th EMBO Media Workshop**
Heidelberg, Germany
70 participants

The Electronic Information Programme was originally initiated to give life science researchers better access to the scientific literature and other relevant digital information. The programme shifted focus in 2005 and now increasingly supports EMBO's programmes and resulting communities. These include EMBO Members, Fellows, Young Investigators and participants of EMBO Courses and Workshops. Experience gained in the development of web-based services for E-BioSci, a literature and gene search engine, and the ORIEL information management system has been particularly valuable in these efforts.

→ *Integrated web-based database services* are used by the Fellowship Programme, Courses & Workshops Programme and Young Investigator Programme.

→ *Online application systems* have been developed for the Courses & Workshops Programme and its new HelpDesk facility.

→ A professional *content management system* is run for the EMBO and EMBC websites.

→ The *Life Sciences Mobility Portal* is an online search engine that helps young researchers pinpoint suitable funding, training and job opportunities. The database is carefully curated and regularly updated. In addition, a personal consultancy service provides individual advice on finding transnational funding sources not covered by the portal.

2005 HIGHLIGHTS

→ **Expansion of Life Sciences Mobility Portal**

to provide information on European funding sources and grant application procedures to scientists from outside Europe

→ **Increasing number of visitors**

to the Life Sciences Mobility Portal from Russia, Turkey, Israel and India

→ **First award made in the Life Sciences Mobility Portal's "Write Move" competition**

→ **Re-design of main EMBO website**

→ **Successful completion of EU-funded E-BioSci and ORIEL projects**

(see page 17)



Les Grivell
Programme Manager



Ole Hansen
Technical Officer



Patricia Codyre
Communications Officer
(Web)



Anne Seller
Administrator



**Sabine
Rehberger-Schneider**
Life Sciences Mobility
Consultant



Laura Cortesi
Data Manager

EMBO

ACTIVITIES

2005



EMBO activities

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Pernille Rørth
Executive Editor

Isabel Arnold
Karin Dumstrei

Valerie Ferrier*
Thomas Lemberger
Volker Wiersdorff
Editors
*(Co-ordinator)

Frank Gannon
Associate Editor

Jana Christopher
Claire Johnstone
Fiona Panayi
Karen Thompson
Editorial Assistants

Departures

Astrid Lunkes
Editor

Sophia Katsogiannos
Editorial Assistant



The EMBO Journal is a print and online publication that covers all areas of molecular biology (see subject categories on page 35). In 23 years of existence, it has established itself as one of the leading molecular biology journals worldwide – with a current impact factor of 10.492 and a citation half-life of 6.3 years.

→ *High editorial standards* are ensured by a full-time editorial team based at the EMBO headquarters and active support from a panel of Senior Editors and an international Advisory Editorial Board.

→ *Fast and fair decisions* on primary research articles are made within one week of submission for initial editorial decisions and within three to four weeks for manuscripts sent out for in-depth peer review.

→ *Efficient processing* of submissions is supported by an online submission system at <http://mts-emboj.nature.com>.

→ *Rapid online publication* of articles after acceptance ensures that research results are made available without delay.

→ *Wide exposure* of articles is achieved by highlighting across Nature Publishing Group's subject area pages and gateways.

→ *Free online access* is available to all readers after 12 months via both nature.com and PubMed Central, and immediately to the devel-

oping world through the WHO-brokered HINARI initiative.

→ *Full text of articles* published prior to 1997 is now available electronically for the first time via PubMed Central.

2005 HIGHLIGHTS

→ **Appointment of current Advisory Editorial Board**

→ **First meeting of *The EMBO Journal* Senior Editors**

→ **Implementation of "eJournalPress" online submission system**

→ **The complete archive of *The EMBO Journal* is available electronically**

Senior Editors

David C. Baulcombe

Ari Helenius

Tim Hunt

Tony Hunter

→ For a list of Advisory Editorial Board members see **pages 66–67**

EMBO reports blends primary research papers, reviews, meeting and literature reports with quality journalism to provide molecular biologists with a wide range of information and perspectives on their research. The journal covers all areas of molecular biology (see subject categories on page 35) and its current impact factor is 7.567.

→ *High editorial standards* are ensured by a full-time editorial team based at the EMBO headquarters and active support from an international Advisory Editorial Board shared with *The EMBO Journal*.

→ *Additional editorial and graphics support* adds value to the content published in the Science & Society and Reviews sections of the journal.

→ *Fast and fair decisions* on primary research papers are made within one week of submission for the initial editorial decision and within three to four weeks for manuscripts sent out for in-depth peer review.

→ *Efficient processing* of submissions and *rapid online publication* ensure that research results are made available without delay.

→ *Wide exposure* of articles is achieved through highlights across Nature Publishing Group's subject area pages and gateways.

→ *Free online access* is available to all readers after 12 months via both nature.com and PubMed Central, and immediately to the devel-

oping world through the WHO-brokered HINARI initiative.

2005 HIGHLIGHTS

→ **Appointment of current Advisory Editorial Board**

→ **Science & Society special issue**
"Time & Ageing: Mechanisms and Meanings"

→ **Review series**
"Cycles"

→ **Preparations for new "eJournalPress" online submission system**
to be implemented beginning of 2006

→ For a list of Advisory Editorial Board members see **pages 66–67**



Frank Gannon
Senior Editor



Holger Breithaupt
Editor, Science & Society



Susan R. Owens
Editor, Reviews



Sandra Caldeira
Editor, Scientific Reports



Caroline Hadley
Assistant Editor
(Co-ordinator)



Les Grivell
Associate Editor



Uta Mackensen
Graphics Editor



Departure
Christine M. Blaumueller
Editor, Scientific Reports



Caroline Simpson
Editorial Assistant

Thomas Lemberger
Editor



Les Grivell
Associate Editor



Frank Gannon
Associate Editor



Jana Christopher
Editorial Assistant



Caroline Simpson
Editorial Assistant



Departure

Astrid Lunkes
Editor



Molecular Systems Biology is an open-access, electronic journal that was jointly launched by EMBO and Nature Publishing Group (NPG) in 2005. *Molecular Systems Biology* provides a new and unique forum for the publication of papers describing the properties and behaviour of complex biological systems in terms of molecular components and their interactions (see subject categories on page 35).

→ Immediate free access to all content is available through nature.com.

→ High editorial standards are ensured by a full-time editorial team based at the EMBO headquarters and active support by a panel of Senior Editors and an Advisory Editorial Board (see page 67) consisting of leading systems biology researchers.

→ A discussion platform on current topics in the rapidly evolving field of systems biology is provided by reviews, news & views articles and editorials.

→ Editorial innovation includes the presentation of research articles in a variety of clear and accessible formats, as well as short synopses revealing the significance of the research in a succinct manner.

→ Technical innovation in the form of enhanced support for structured data formats such as Systems Biology Markup Language (SBML) maximises the presentation of systems biology concepts.

→ Wide exposure of articles is achieved through highlights across NPG's subject area pages and gateways.

2005 HIGHLIGHTS

→ *Molecular Systems Biology* goes live

→ "Inaugural Collection" of key papers

20,000 copies distributed along with issues of major Nature titles

→ Journal accepted for inclusion in PubMed

Senior Editors

Rudi Aebersold

Peer Bork

George Church

Leroy Hood

Edison Liu

→ For a list of Advisory Editorial Board members see page 67

Subject categories representing the scope of

The EMBO Journal, EMBO reports and Molecular Systems Biology

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

Categories unique to Molecular Systems Biology

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

→ For a list of selected papers published in 2005 see **pages 68–69**



THE
EMBO
JOURNAL

EMBO
reports

molecular
systems
biology

Panel members:

Review of CNB

Paolo Costantino
 Stephen Cusack
 Gert Groot
 Jörg Hacker
 Carl-Henrik Heldin
 Francesco Sinigaglia
 Anna Tramontano
 Detlef Weigel
 Robin Weiss
 Moshe Yaniv (Chair)

Review of CSIC

life sciences institutes

Adriano Aguzzi
 Andrea Ballabio
 August Boeck
 Riccardo Cortese
 Barbara Ensolì
 Frank Gannon
 Nicholas Hastie
 Dirk Inzé
 Elisabeth Knust
 Werner Kuehlbrandt
 Christopher Leaver
 Alexander Levitzki
 Walter Neupert (Chair)
 Paola Ricciardi-Castagnoli
 Martin Schwab
 Bertrand Séraphin
 Kenneth Timmis
 Joël Vandekerckhove

Since 1994 EMBO has offered its services as an advisory and review body to the EMBO Member States. EMBO has carried out reviews of several national research programmes (see below). In each case, it has appointed an expert panel of EMBO Members to analyse the strengths and weaknesses of the individual life sciences programmes and delivered a report to the national research councils or ministries. Two reviews were carried out in 2005.

→ The *Spanish National Biotechnology Centre (CNB)* in Madrid is one of the largest units of the Spanish National Research Council (CSIC) and was assessed in March 2005. The conclusions of the review panel, chaired by *Moshe Yaniv*, were extremely positive and placed CNB research at the forefront of European science. In the context of the report, the panel was able to make some recommendations toward fine-tuning of the CNB's research programme.

→ A broader, more strategic look at *CSIC life sciences institutes* was also undertaken with the aim of gathering an overall impression of the collective CSIC strategy in the life sciences. The review panel, chaired by *Walter Neupert*, provided a general analysis of the plans of the different institutes and made a number of suggestions of general relevance to the CSIC.

EMBO national science reviews

1995	Austrian Molecular Biology Programme
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)

The EMBO Gold Medal is awarded annually to an outstanding young scientist for exceptional research carried out within Europe. The prize highlights the standards being reached in molecular biology in Europe – bringing the very best young researchers to the attention of a global audience.

The 2005 winner of the EMBO Gold Medal was *Dario Alessi* of Dundee University's Medical Research Council (MRC) Protein Phosphorylation Unit in Scotland. The researcher was honoured in recognition of his landmark work on kinases and their role in disease, which has provided exciting new insights into conditions such as

diabetes, cancer and hypertension. In particular, his discovery and characterisation of PDK1 and LKB1 hold great promise for the treatment of inherited diseases. The EMBO Gold Medal was presented by the Polish Minister of Science on 16 October at Warsaw Royal Castle during the EMBO Members Workshop.



Winners of the EMBO Gold Medal

1986	John Tooze (Heidelberg, DE)	1997	Dirk Görlich (Heidelberg, DE)
1987	Barbara Pearse (Cambridge, UK)	1998	Adriano Aguzzi (Zurich, CH)
1988	Antonio Lanzavecchia (Basel, CH)	1999	Konrad Basler (Zurich, CH)
1989	Hugh Pelham (Cambridge, UK)	2000	Christof Niehrs (Heidelberg, DE) & Daniel St. Johnston (Cambridge, UK)
1990	Erwin Wagner (Vienna, AT)	2001	Matthew Freeman (Cambridge, UK)
1991	Patrick Stragier (Paris, FR)	2002	Amanda Fisher (London, UK)
1992	Carl-Hendrik Heldin (Uppsala, SE)	2003	Anthony Hyman (Dresden, DE)
1993	Jim Smith (London, UK)	2004	María Blasco (Madrid, ES)
1994	Paolo Sassone-Corsi (Strasbourg, FR)	2005	Dario Alessi (Dundee, UK)
1995	Richard Treisman (London, UK)		
1996	Enrico Coen (Norwich, UK)		



The EMBO Award for Communication in the Life Sciences is presented annually to a practising life scientist in Europe who has made significant contributions to the public communication of science. The award highlights the exceptional efforts made by some individuals to combine science communication activities with a full-time research career.



The winner in 2005 was *Edoardo Boncinelli*, Professor of Biology and Genetics at the University Vita-Salute San Raffaele in Milan, Italy. Professor Boncinelli received the award in recognition of his longstanding and highly successful efforts in science communication – particularly his ability to recognise and explain the social implications of scientific advances.

Since 1994, Boncinelli has made topics such as genetics, ageing, neurobiology and public health accessible to a broad audience through popular science books, newspaper articles, TV and radio appearances, participation in public debates and visits to local schools. He received his award on 28 October at the EMBO/EMBL Science & Society Conference in Heidelberg, Germany. As with past winners, Boncinelli has been nominated for the European Commission's Descartes Prize for Science Communication.



Special discretionary award

This year, as part of the Award for Communication, EMBO presented an additional prize for the best single initiative in science communication. This special award went to Russian scientist, *Dr. Alexander Vershinin*, for his outstanding education initiative and innovative book on marine biology, "Life of the Black Sea".

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)

EMBO Sectoral Meetings ensure strong contacts between EMBO and its members in the various areas of molecular biology. The meetings strengthen links between EMBO Members in similar fields and enable EMBO to respond to the different needs and trends in specific sectors. Since the initiative was launched in 1999, EMBO has organised Sectoral Meetings in neurobiology, plant biology, microbiology, immunology, molecular medicine and bioinformatics.

The 2005 Sectoral Meeting was a follow-up of the very first meeting, which took place in 1999 and focused on the topic of neurobiology. Locally organised by EMBO Members, *Angela Nieto* and *Juan Lerma*, the meeting took place at the Institute of Neuroscience (INA) in Alicante, Spain. More than 100 participants from the EMBO community and local institutes discussed the latest developments in the field. In addition to excellent scientific talks, there were discus-

sions about the representation of neurobiology within the EMBO membership, the impact of EMBO on the future of neurobiology in Europe and the coverage of neurobiology research in EMBO's journals.

2005 HIGHLIGHT

→ **EMBO Sectoral Meeting: Neuroscience**

Alicante, Spain (102 participants)

EMBO Sectoral Meetings

1999	Neurobiology	Heidelberg	Germany
2000	Plant Biology	Heidelberg	Germany
2000	Microbiology	Heidelberg	Germany
2002	Immunology	Oeiras	Portugal
2003	Molecular Medicine	Cavtat	Croatia
2004	Bioinformatics & Computational Biology	Rome	Italy
2004	Molecular Medicine: Leukaemia (follow-up meeting)	Staffelstein	Germany
2005	Neurobiology (follow-up meeting)	Alicante	Spain

Mary Gannon
Programme Manager

Zeynep Dinsi-Yarali
Administrator

Departures

Kathy Oswald
Felise Fortmann
Administrators

EMBO has been sponsoring plenary lectures by EMBO Members at major international scientific meetings since 1999. The programme has a dual purpose – to give EMBO Members the opportunity to intensify exchange and collaboration with scientists from associated fields and to bring EMBO activities to the attention of a wider scientific audience.

In 2005 EMBO sponsored a total of 25 plenary lectures. 17 were delivered at European events and eight EMBO Members brought “The EMBO Lecture” to international meetings in countries as far afield as Kenya and Argentina.

In 2005 EMBO Members delivered plenary lectures at major scientific meetings in the following countries:

In Europe (17 lectures)			Outside Europe (8 lectures)	
Austria	Germany	Romania	Argentina	Kenya
Croatia	Hungary	Slovak Republic	Australia	Mexico
Czech Republic	Ireland	United Kingdom	Cuba	USA
Denmark	Italy			
France	Norway			

- For full details of 2005 plenary lectures see **pages 118–119**
- For a list of plenary lectures planned for 2006 see **pages 134–135**

The EMBO Communications Office serves as an information resource for the scientific community, the media and the general public. A number of targeted activities also support an active communication channel between EMBO and its network of members, young investigators and fellows.

→ EMBOencounters features the latest news from EMBO and the EMBO community.

→ Brochures, posters, flyers, and advertisements provide clear and consistent information on EMBO activities.

→ Interaction with the scientific community at major European scientific meetings and through regular contact with EMBO Members keeps scientists informed of developments at EMBO.

→ Regular communication with the media ensures that the outside world hears about EMBO developments in a timely manner.

2005 HIGHLIGHTS

→ **Increase in EMBO Member news in EMBOencounters**

→ **Online survey of EMBO membership** revealed a high rate of satisfaction with EMBO activities and a good readership of EMBOencounters

→ **Press coverage of EMBO activities** included a Russian TV broadcast on the EMBO/EMBL Science & Society Conference

→ **Strong exhibition presence** at the 2005 meetings of BioScience, FEBS and ELSO



Lindsay Johnson
Chief Communications
Officer



Uta Mackensen
Graphic Designer



Anne Seller
Administrator

Luc Van Dyck
Executive Co-ordinator



The European Life Sciences Forum (ELSF) is a platform of organisations representing the life sciences in Europe. Founded in 2000 by EMBO, the Federation of European Biochemical Societies (FEBS), EMBL and the European Life Scientist Organization (ELSO), its mission is to increase the visibility and impact of the research community in public and policy-making arenas. The secretariat of the ELSF is housed at the EMBO headquarters.

→ ELSF has been instrumental in establishing the multidisciplinary *Initiative for Science in Europe (ISE)*, whose aim is to structure the input of the broad scientific community on crucial science and technology policy issues in Europe. Holding the secretariat of ISE, ELSF now provides the impetus for the initiative and co-ordinates its activities.

→ ELSF and ISE actively promote the establishment of the *European Research Council (ERC)*. Now that the ERC is materialising, ELSF and ISE are monitoring its set-up and providing input during this crucial stage of its development.

→ *New topics for ELSF and ISE* are being developed and include infrastructure, career development and ways of promoting science in the new EU Member States.

→ ELSF achieves its goals by developing and maintaining strong relationships with the *European Commission and Parliament*.

2005 HIGHLIGHTS

→ ISE Conference

"Celebrating the first concrete steps towards the implementation of the European Research Council (ERC)"
UNESCO, Paris, France

→ ISE letter

"Investing in frontier research is investing in Europe's future."
sent to Competitiveness Council, European Research Commissioner and European Parliament Committee on Industry, Research and Energy (ITRE)

→ Joint EMBO/ELSF petition for increased EU funding

in response to an EU proposal for an approximate 40% cut in the research budget; over 19,700 signatures were obtained and sent to the EU Heads of State and the research and finance ministers.

APPENDIX

2005



appendix

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→ AUSTRIA

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→ CZECH REPUBLIC

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EMBC delegates and advisers (as of January 2006)

→ DENMARK

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→ ESTONIA

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→ FINLAND

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→ FRANCE

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→ GREECE

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→ IRELAND

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→ ISRAEL

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→ ITALY

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→ NETHERLANDS

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→ POLAND

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→ PORTUGAL

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→ TURKEY

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Mr Nigel Watts	Medical Research Council (MRC)	20 Park Crescent UK-London W1B 1AL	tel +44 20 7670 6292 fax +44 20 7580 6198	nigel.watts@headoffice.mrc.ac.uk

contributions from EMBC member states

	Scale of contributions 2004–2006 %	Budget for 2005 EURO
Austria	2.0900	261,212
Belgium	2.5944	324,253
Croatia	0.2032	25,396
Czech Republic	0.6139	76,726
Denmark	1.5800	197,471
Finland	1.2362	154,502
France	14.8830	1,860,103
Germany	20.7922	2,598,645
Greece	1.3928	174,075
Hungary	0.5573	69,652
Iceland	0.0903	11,286
Ireland	0.9230	115,358
Israel	1.0958	136,955
Italy	12.1778	1,522,002
Netherlands	4.0805	509,988
Norway	1.6929	211,569
Poland	2.1200	264,961
Portugal	1.1368	142,079
Slovenia	0.2332	29,146
Spain	6.4358	804,357
Sweden	2.4625	307,767
Switzerland	3.1173	389,605
Turkey	2.3194	289,883
United Kingdom	16.1718	2,021,179
total	100	12,498,170

(based on net national income at factor cost)

council members 2005

year(s) elected	name	country
2005	Anton Berns	NL – Amsterdam
2001, 2004	Erik Boye (<i>Vice-Chair</i>)	NO – Oslo
2003	Margaret Buckingham	FR – Paris
2005	Roberto di Lauro	IT – Naples
2000, 2003	Susan Gasser (<i>Chair</i>)	CH – Basel
2002, 2005	Ingrid Grummt	DE – Heidelberg
2004	Tim Hunt	UK – London
2005	Daniel Louvard	FR – Paris
2002, 2005	Carlos Martínez-A.	ES – Madrid
2001, 2004	Sean Munro	UK – Cambridge
2000, 2003	Paul Nurse	US – New York
2000, 2003	Giora Simchen	IL – Jerusalem
2004	Kai Simons	DE – Dresden
2004	Gunnar von Heijne	SE – Stockholm
2003	Maciej Żylicz	PL – Warsaw

ex officio

Christiane Nüsslein-Volhard	EMBO Secretary General
Marja Makarow	EMBC President
Frank Gannon	EMBC Secretary General
Fotis Kafatos/Iain Mattaj	EMBL Director General
Ronald Plasterk	Chair, EMBL SAC
Daniela Rhodes	Chair, EMBO Fellowship Committee
Pico Caroni	Chair, EMBO Course Committee
Maria Leptin	Chair, EMBO Membership Committee
Roberto Sitia	Chair, EMBO Science & Society Committee
Regine Kahmann	Chair, EMBO Young Investigator Committee
Eric Westhof	Chair, EMBO Publications & Electronic Information Committee

EMBO committee members & auditors 2005

course committee

2003 Pico Caroni (*Chair*)
2004 Miquel Coll
2002 Jonathan Howard
2002 Philip Ingham
2005 Dirk Inzé
2004 Howard Jacobs
2003 Batsheva Kerem
2005 Maria Persico
2005 Anne Ridley
2005 Philippe Sansonetti
2005 Detlef Weigel

fellowship committee

2005 Robin Allshire
2004 Peter Becker
2002 John Diffley
2004 Bauke Dijkstra
2005 Peter Ekblom
2004 Nicolas Glaichenhaus
2004 Leszek Kaczmarek
2005 Jürgen Knoblich
2003 Angela Krämer
2004 Wilhelm Krek
2004 Montserrat Pages
2004 Anthony Pugsley
2000 Daniela Rhodes (*Chair*)
2001 Varda Rotter
2004 Angela Santoni

membership committee

2005 Ueli Aebi
2003 Andrés Aguilera
2002 Ruth Arnon
2005 Carl-Henrik Heldin
2004 Andrzej Legocki
2002 Maria Leptin (*Chair*)
2005 Antonio Malgaroli
2005 Paolo Sassone-Corsi
2005 Veronica van Heyningen
2002 Hans Wolf-Watz

publications & electronic information committee

2004 Thierry Boon
2001 Graham Cameron
2005 Gianni Cesareni
2003 Ari Helenius
2003 Dino Moras
2005 Angela Nieto
2005 Erich Nigg
2005 Václav Pačes
2005 Leena Peltonen
2003 Eric Westhof (*Chair*)

science & society committee

2003 Lauri Aaltonen
2005 Andrea Barta
2005 Wendy Bickmore
2004 Dénes Dudits
2004 Benjamin Geiger
2005 Ernst Hafen
2003 Matthias Hentze
2001 Mary Osborn
2002 Roberto Sitia (*Chair*)
2005 Claudio Sunkel

young investigator committee

2005 Michael Bevan
2005 Thomas Boehm
2004 Martino Bolognesi
2003 S. Dusko Ehrlich
2003 Jiří Forejt
2005 Elisa Izaurralde
2002 Regine Kahmann (*Chair*)
2004 Hans Krokan
2004 Doron Lancet
2003 Gines Morata

auditors (EMBO members)

Diter von Wettstein
David J. McConnell

internal auditor (EMBL)

Stefan Bäckman

external auditors

(Tribunal de Contas, Lisbon, Portugal)

Maria Isabel Cabaço Antunes
Maria da Luz Pedroso de Faria

council members 2006

year(s) elected	name	country
2005	Anton Berns	NL – Amsterdam
2001, 2004	Erik Boye (<i>Vice-Chair</i>)	NO – Oslo
2003, 2006	Margaret Buckingham	FR – Paris
2005	Roberto di Lauro	IT – Naples
2002, 2005	Ingrid Grummt	DE – Heidelberg
2004	Tim Hunt (<i>Chair</i>)	UK – London
2005	Daniel Louvard	FR – Paris
2002, 2005	Carlos Martínez-A.	ES – Madrid
2006	Marjori Matzke	AT – Vienna
2001, 2004	Sean Munro	UK – Cambridge
2006	Benny Shilo	IL – Rehovot
2006	David Shore	CH – Geneva
2004	Kai Simons	DE – Dresden
2004	Gunnar von Heijne	SE – Stockholm
2003, 2006	Maciej Żylicz	PL – Warsaw

ex officio

Christiane Nüsslein-Volhard	EMBO Secretary General
Marja Makarow	EMBC President
Frank Gannon	EMBC Secretary General
Iain Mattaj	EMBL Director General
Paul Nurse	Chair, EMBL SAC
Daniela Rhodes	Chair, EMBO Fellowship Committee
Pico Caroni	Chair, EMBO Course Committee
Maria Leptin	Chair, EMBO Membership Committee
Roberto Sitia	Chair, EMBO Science & Society Committee
Regine Kahmann	Chair, EMBO Young Investigator Committee
Eric Westhof	Chair, EMBO Publications & Electronic Information Committee

EMBO committee members & auditors 2006 (year elected)

course committee

2006 Yehudit Bergman
2003 Pico Caroni (*Chair*)
2004 Miquel Coll
2005 Dirk Inzé
2004 Howy Jacobs
2003 Batsheva Kerem
2005 Maria Persico
2005 Anne Ridley
2005 Philippe Sansonetti
2005 Detlef Weigel

membership committee

2005 Ueli Aebi
2003 Andrés Aguilera
2006 Rob Benne
2006 Brigitte Gicquel
2005 Carl-Henrik Heldin
2006 George Kollias
2004 Andrzej Legocki
2002 Maria Leptin (*Chair*)
2005 Antonio Malgaroli
2005 Veronica van Heyningen

science & society committee

2003 Lauri Aaltonen
2006 Adriano Aguzzi
2005 Andrea Barta
2005 Wendy Bickmore
2004 Dénes Dudits
2004 Benjamin Geiger
2003 Matthias Hentze
2002 Roberto Sitia (*Chair*)
2005 Claudio Sunkel
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external auditors

(Tribunal de Contas, Lisbon, Portugal)

Maria Isabel Cabaço Antunes
Maria da Luz Pedroso de Faria

fellowship committee

2005 Robin Allshire
2006 Bernd Bukau
2004 Bauke Dijkstra
2004 Nicolas Glaichenhaus
2004 Leszek Kaczmarek
2005 Jürgen Knoblich
2003 Angela Krämer
2004 Wilhelm Krek
2004 Montserrat Pages
2004 Anthony Pugsley
2000 Daniela Rhodes (*Chair*)
2001 Varda Rotter
2004 Angela Santoni

publications & electronic information committee

2004 Thierry Boon
2005 Gianni Cesareni
2003 Ari Helenius
2003 Dino Moras
2005 Angela Nieto
2005 Erich Nigg
2006 Steve Oliver
2005 Václav Pačes
2005 Leena Peltonen
2003 Eric Westhof (*Chair*)

young investigator committee

2005 Michael Bevan
2005 Thomas Boehm
2004 Martino Bolognesi
2003 S. Dusko Ehrlich
2003 Jiří Forejt
2005 Elisa Izaurralde
2002 Regine Kahmann (*Chair*)
2004 Hans Krokan
2004 Doron Lancet
2003 Gines Morata

Dario Alessi



School of Life Sciences
University of Dundee
Dundee, United Kingdom

→ signal transduction → protein kinases
→ PDK1 → LKB1 → WNK1 → WNK4

Silvia Arber



Biocenter
University of Basel
Basel, Switzerland

→ neuronal circuit assembly → development
→ transcription factors

Philip Avner



Mouse Molecular Genetics Unit
Pasteur Institute
Paris, France

→ epigenetics → X inactivation
→ multifactorial/polygenic inheritance

Stephen D. Bell



MRC Cancer Cell Unit
Hutchison MRC Research Centre
Cambridge, United Kingdom

→ DNA replication → Archaea → evolution → MCM

Walter Birchmeier



Max Delbrück Centre for
Molecular Medicine (MDC)
Berlin, Germany

→ Wnt/ β -catenin → HGF/Met in development
→ tumour progression

members elected in 2005

Stephen D.M. Brown		Medical Research Council (MRC) Mammalian Genetics Unit Harwell, United Kingdom	→ mouse genetics → mouse models of human disease → genetics of deafness
József Burgyán		Agricultural Biotechnology Center (MBK) Institute of Plant Biology Gödöllő, Hungary	→ plant-virus interaction → RNA silencing → silencing suppressor proteins
Jean-Laurent Casanova		Laboratory of Human Genetics of Infectious Diseases French National Institute for Health and Medical Research (INSERM) Paris, France	→ human genetics of infectious diseases → primary immunodeficiencies
Maria Antonietta De Matteis		Department of Cell Biology and Oncology Consorzio Mario Negri Sud (CMNS) Santa Maria Imbaro (Chieti), Italy	→ membrane trafficking → Golgi → signalling → phosphoinositides
Riccardo Fodde		Josephine Nefkens Institute Erasmus Medical Centre (EMC) Rotterdam, Netherlands	→ colorectal cancer → Wnt/ β -catenin signalling → cancer stem cells

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Genome Instability and Carcinogenesis
French National Center for
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Marseille, France

→ damaged DNA replication → genome instability
→ DNA repair → mutagenesis

Kenn Gerdes



Department of Biochemistry &
Molecular Biology
University of Southern Denmark
Odense, Denmark

→ bacterial cell cycle → DNA segregation
→ bacterial auto-toxins

Pierre Gönczy



Swiss Institute for
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Epalinges s/Lausanne, Switzerland

→ cell division → *C. elegans* → polarity
→ centrosome → genetics → genomics

Edith Heard



Mammalian Developmental Epigenetics Group
French National Center for
Scientific Research (CNRS)
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→ epigenetics → X inactivation → genomic imprinting
→ mouse development

Christine Holt



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University of Cambridge
Cambridge, United Kingdom

→ axon → navigation → growth cone → retina
→ translation → guidance molecules

members elected in 2005

Andreas E. Kulozik		Department of Paediatrics University of Heidelberg Heidelberg, Germany	→ NMD → 3' end RNA processing → paediatric haematology/oncology
Achim Leutz		Max Delbrück Centre for Molecular Medicine (MDC) Berlin, Germany	→ gene regulation → haematopoiesis → leukaemogenesis
Julian Lewis		Cancer Research UK London Research Institute London, United Kingdom	→ notch signalling → ear → gut → segmentation clock → mathematical modelling
Joachim Lingner		Swiss Institute for Experimental Cancer Research (ISREC) Epalinges s/Lausanne, Switzerland	→ telomeres → telomerase → genome stability → DNA damage response
Michael H. Malim		Department of Infectious Diseases King's College London, School of Medicine London, United Kingdom	→ HIV → pathogenesis → innate viral resistance → accessory genes → assembly

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→ tumour virus → EBV → immunology,
→ antigen processing → ubiquitin

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→ exocytosis → endocytosis → neurotransmission
→ membrane → curvature → dynamin

Christoph W. Müller



European Molecular Biology Laboratory (EMBL)
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Grenoble, France

→ transcriptional regulation → chromatin organisation
→ nuclear transport

Ulf Nehrbaas



Pasteur Institute Korea
Seoul, Korea

→ cell biology → nucleus → gene regulation

Luke O'Neill



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→ cytokines → IL-1 receptor/Toll-like receptor
superfamily → NF- κ B

members elected in 2005

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→ ageing → lifespan → fecundity → evolution
→ genetics → *Drosophila*

Jerzy Paszkowski



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University of Geneva
Geneva, Switzerland

→ epigenetics → chromatin → plants

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Institute of Cancer Research
London, United Kingdom

→ structural biology → DNA repair
→ molecular chaperones → signal transduction

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Paris, France

→ mechanistic biology → structural virology
→ membrane fusion

Mart Saarma



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Helsinki, Finland

→ neurotrophic factors → signal transduction
→ neural development

Kári Stefánsson



deCODE genetics
Reykjavik, Iceland

→ population genetics → complex traits
→ population history → selection

Jens Stougaard



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Aarhus, Denmark

→ plant molecular genetics → symbiosis receptors
→ signal transduction → development

Giulio Superti-Furga



Research Center for Molecular Medicine of
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Vienna, Austria

→ molecular medicine → systems biology
→ signal transduction, kinases

Alfonso Valencia



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→ bioinformatics → protein structure and function
→ text mining

Hervé Vaucheret



Cellular Biology Laboratory
Jean-Pierre Bourgin Institute
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→ plant biology → genetics → epigenetics → siRNA
→ miRNA → development

members elected in 2005

Isabelle Vernos



Center for Genomic Regulation (CRG)
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→ morphogenesis → microtubule → spindle
→ chromosome → kinase → cell cycle

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→ forebrain development
→ CNS laterality & asymmetry → eye development

Ira Mellman

associate member



Department of Cell Biology
Ludwig Institute for Cancer Research
New Haven, USA

→ antigen presentation → epithelial polarity
→ dendritic cells → endosome

Roger Y. Tsien

associate member



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→ molecular engineering → neuronal plasticity
→ cancer imaging and therapy

Bert Vogelstein

associate member



Johns Hopkins Oncology Center
Baltimore, USA

→ cancer → genetics

The EMBO Journal and EMBO reports

- | | | |
|---|--|---|
| <p>A Adriano Aguzzi
Julie Ahringer
Kari Alitalo
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Frances M. Ashcroft</p> <hr/> <p>B Andrea Ballabio
Mariano Barbacid
Yves-Alain Barde
Jiří Bártek
David C. Baulcombe
Jean D. Beggs
Anton J. Berns
Michael J. Berridge
Heinrich Betz
Wendy A. Bickmore
August Böck
Johannes L. Bos
Chris Bowler
Erik Boye
Bernd Bukau
Meinrad Busslinger</p> <hr/> <p>C Iain D. Campbell
Gennaro Ciliberto
Christine E. Clayton
Hans Clevers
Pascale Cossart</p> <hr/> <p>D Pietro V. De Camilli
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Bauke W. Dijkstra
Giulio F. Draetta</p> <hr/> <p>E Anne Ephrussi</p> | <p>F Alain Fischer
Richard A. Flavell</p> <hr/> <p>G Henrik Garoff
Susan M. Gasser
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Ingrid Grummt</p> <hr/> <p>H Christian Haass
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Alan Hall
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Dirk Inzé</p> <hr/> <p>J Richard J. Jackson
Stephen P. Jackson
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- Tata JR (2005) One hundred years of hormones. *A new name sparked multidisciplinary research in endocrinology, which shed light on chemical communication in multicellular organisms.* *EMBO Rep* **6**: 490–496
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- Oda K, Matsuoka Y, Funahashi A, Kitano H (2005) A comprehensive pathway map of epidermal growth factor receptor signaling. *Mol Syst Biol* doi:10.1038/msb4100014
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EMBO | long-term fellowship awards 2005

	name	nationality	host laboratory	home laboratory	research interest
Austria	Reim, Gerlinde	Austrian	University of Zurich, Switzerland	MPI-CBG, Dresden, Germany	A genetic screen for regulators of organ growth in <i>Drosophila melanogaster</i>
	Sieberer, Tobias	Austrian	University of York, UK	BOKU, Vienna, Austria	Towards the identification of a novel branch regulatory hormone by molecular analysis of MAX1 in <i>Arabidopsis thaliana</i>
	Teis, David	Austrian	University of California, San Diego, USA	Innsbruck Medical University, Austria	Cellular mechanisms of quality control for cell surface trans-membrane proteins
Belgium	Dobbelaere, Jeroen	Belgian	Gurdon Institute, Cambridge, UK	Institute of Biochemistry, Zurich, Switzerland	Characterising the maturation of mitotic centrosomes in <i>Drosophila</i>
	Lemey, Philippe	Belgian	University of Oxford, UK	Rega Institute, Leuven, Belgium	Population genetic modelling and analysis of HIV transmission histories
	Migeotte, Isabelle	Belgian	MSKCC, New York, USA	IRIBHM, Brussels, Belgium	Genetic regulation of cell migration events occurring during early mouse development: Role of Rac1 and search for new genes
	Pearcy, Morgan	Belgian	University of Lausanne, Switzerland	ULB, Brussels, Belgium	Queen number regulation in <i>Solenopsis invicta</i> – a functional genomic approach
	Viatour, Patrick	Belgian	Stanford University, USA	University of Liege, Belgium	Mechanisms of tumour suppression upon re-introduction of the retinoblastoma (Rb) gene in Rb-mutant tumour cells
Croatia	Bjedov, Ivana	Croatian	University College London, UK	Necker Institute, Paris, France	The role of functional domains of Chico in regulation of lifespan in <i>Drosophila</i>
	Hasan, Milena	Croatian	Pasteur Institute, Paris, France	University of Rijeka, Croatia	Transcription factors in NK cell development
	Stojic, Lovorka	Croatian	Dulbecco Telethon Institute, Naples, Italy	IMCR, Zurich, Switzerland	Identification of novel signalling and transcription regulators involved in Polycomb group gene (PcG) expression
Czech Republic	Kadlec, Jan	Czech	University of Oxford, UK	EMBL, Grenoble, France	Structural studies on hepatitis C virus envelope glycoprotein E2
Denmark	Teilum, Kaare	Danish	University of Lund, Sweden	University of Copenhagen, Denmark	The aggregation of superoxide dismutase 1 studied by NMR relaxation measurements
Finland	Mähönen, Ari Pekka	Finnish	Utrecht University, The Netherlands	University of Helsinki, Finland	Role of the auxin - PLETHORA regulatory network in orchestrating root growth and patterning in <i>Arabidopsis</i>

→ For a list of all organisations and their acronyms see [pages 138–142](#)

long-term fellowship awards 2005

	name	nationality	host laboratory	home laboratory	research interest
Finland <i>cont.</i>	Stolt, Peggy	Finnish	MPI for Biophysics, Frankfurt, Germany	HMS, Boston, USA	Structure and function of peptide transporters
France	Achard, Patrick	French	IBMP, Strasbourg, France	John Innes Centre, Norwich, UK	How ethylene and abscisic-acid regulate plant growth and development via modulation of the stability of the DELLA proteins
	Bareyre, Florence	French	INIM, Munich, Germany	Harvard University, Cambridge, USA	Role of immune-derived growth factors for axonal remodelling in an animal model of multiple sclerosis
	Bertrand, Julien	French	University of California, La Jolla, USA	Pasteur Institute, Paris, France	Dissecting the genesis of HSCs in the zebrafish embryo
	Blandin, Stephanie	French	IBMC, Strasbourg, France	EMBL, Heidelberg, Germany	Chemical mutagenesis in <i>Anopheles gambiae</i> – forward genetic analysis of vector competence to <i>Plasmodium</i>
	Boucrot, Emmanuel	French	CBRI, Boston, USA	CIML, Marseille, France	Assembly of clathrin-coats in endosomes and at the trans-Golgi network
	Boulin, Thomas	French	ENS, Paris, France	Columbia University, New York, USA	Molecular and genetic analysis of Nicotinic Acetylcholine Receptor clustering in <i>C. elegans</i>
	Boulon, Séverine	French	Wellcome Trust Biocentre, Dundee, UK	IGMM, Montpellier, France	Cajal body proteome dynamics: Application of the SILAC heavy isotope and proteomic approach to analyse the flux of proteins through Cajal bodies
	Causeret, Frederic	French	Imperial College London, UK	INSERM, Paris, France	Regulation of the cytoskeleton during neuronal development: Characterisation of a new Cdk5 effector
	Caussinus, Emmanuel	French	Biocenter, University of Basel, Switzerland	EMBL, Heidelberg, Germany	Cell rearrangement during branching morphogenesis
	Chaigneau, Emmanuelle	French	University College London, UK	University Descartes Paris, France	Investigation of signal processing in layer 4 of barrel cortex
	Chaix, Raphaëlle	French	University of Oxford, UK	University of Paris, France	Genome-wide analyses to identify molecular changes involved in human-specific traits
	Cocquet, Julie	French	MRC NIMR, London, UK	INSERM, Paris, France	Determination of Y gene functions in mouse spermiogenesis: Potential involvement of the Sly multi-copy gene family
	Cordin, Olivier	French	WTCCB, Edinburgh, UK	CMU, Geneva, Switzerland	Revealing the existence of a functional network of helicases during splicing

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	name	nationality	host laboratory	home laboratory	research interest
France cont.	De La Barre, Anne-Elisabeth	French	University of Geneva, Switzerland	FRM, Paris, France	Chromosome 21 transcriptional regulation study: Mapping global histone modifications and DNA methylation
	Dessaud, Eric	French	MRC NIMR, London, UK	INSERM, Marseille, France	Graded Shh signalling and the control of vertebrate neuronal fate
	Dutertre, Sebastien	French	MPI for Brain Research, Frankfurt, Germany	University of Queensland, Brisbane, Australia	The role of the glycine receptor beta subunit in determining both pharmacology and synaptic targeting
	Falk, Julien	French	University of Cambridge, UK	CGMC, Lyon, France	The role of endocytosis in retinal axon guidance
	Faroudi, Mustapha	French	MRC NIMR, London, UK	INSERM, Toulouse, France	FRET analysis of the spatio-temporal activation of Rho-family GTPases in T lymphocytes
	Fayard, Elisabeth	French	FMI, Basel, Switzerland	IGBMC, Illkirch, France	Understanding a severe thymus phenotype in a PKB mouse model: Molecular mechanism involving specific PKB isoforms in thymus and T cell development
	Ferri, Karine	French	IBCP, Lyon, France	Pasteur Institute, Paris, France	Role(s) of the anti-apoptotic Nr2f1/Nr-13 protein in the zebrafish embryo
	Frelin, Catherine	French	Ontario Cancer Institute, University of Toronto, Canada	INSERM, Nice, France	Genetic regulation of self-renewal and differentiation in normal and leukaemic haematopoiesis
	Fukuhara, Noemi	French	Imperial College, London, UK	IBS, Grenoble, France	Structural basis for Slit/Robo signalling
	Gallois-Montbrun, Sarah	French	King's College, London, UK	Pasteur Institute, Paris, France	Regulation of APOBEC3G, Vif and HIV infection
	Gendrel, Anne-Valérie	French	Imperial College, London, UK	CNRS, Evry, France	The role of LINE transposable elements in X-chromosome inactivation
	Gresh, Lionel	French	IMP, Vienna, Austria	Pasteur Institute, Paris, France	Connecting inflammation and cancer through AP-1 (Activator Protein-1) activity
	Guillermet-Guibert, Julie	French	LICR, London, UK	INSERM, Toulouse, France	The role of the p110beta isoform of PI 3-kinase in endothelial cells and angiogenesis
	Helfer, Anne	French	TSRI, La Jolla, USA	Royal Holloway University of London, Egham, UK	Characterisation of LUX ARRHYTHMO, a newly identified gene essential for circadian rhythms in <i>Arabidopsis thaliana</i>
	Henry, Thomas	French	University of Stanford, USA	INSERM, Marseille, France	The role of the inflammasome during <i>Francisella tularensis</i> infection
	Huntzinger, Eric	French	EMBL Heidelberg, Germany	IBMC, Strasbourg, France	Role of the processing bodies in the nonsense-mediated mRNA decay in humans

long-term fellowship awards 2005

	name	nationality	host laboratory	home laboratory	research interest
France <i>cont.</i>	Jaskolski, Frédéric	French	MRC Centre for Synaptic Plasticity, Bristol, UK	François Magendie Institute, Bordeaux, France	Real time trafficking of AMPA receptors during synaptic plasticity
	Joly, Nicolas	French	Imperial College London, UK	Pasteur Institute, Paris, France	Functional analysis of HsfA, a novel transcriptional activator
	Jouhet, Juliette	French	University of Cambridge, UK	CEA, Grenoble, France	Characterisation of proteins involved in plastid envelope contact sites
	Lafuste, Peggy	French	VIB, Leuven, Belgium	INSERM, Creteil, France	VEGF in neurodegeneration
	Lariviere, Laurent	French	LMU, Munich, Germany	LEBS, Gif-sur Yvette, France	Structural study of Med8/Med18/Med20, a submodule of the Mediator complex
	Lecaudey, Virginie	French	EMBL Heidelberg, Germany	CNRS, Paris, France	Analysis of the cellular and molecular mechanisms underlying the co-ordination of cell movements in a migrating tissue
	Manel, Nicolas	French	University of New York, USA	IGMM, Montpellier, France	Identification of genes responsible for DC-SIGN-mediated enhancement of HIV infection by dendritic cells
	Meilhac, Sigolène	French	Gurdon Institute, Cambridge, UK	Pasteur Institute, Paris, France	Regionalisation of visceral endodermal cells during anterior-posterior patterning of the mouse embryo
	Mouchel, Céline	French	University of York, UK	University of Lausanne, Switzerland	Variation in the regulation of the MAX pathway and correlation with the evolution of plant shoot system architecture
	Raynaud, Cécile	French	Royal Holloway University of London, Egham, UK	Institute for Plant Biotechnology, Orsay, France	Does the E2Fb transcription factor connect auxin to cell division?
	Rebsam, Alexandra	French	University of Columbia, New York, USA	INSERM, Paris, France	Mechanisms of retinal axon divergence at the optic chiasm: The earliest-growing pioneers
	Salomé, Patrice	French	MPI for Developmental Biology, Tübingen, Germany	Dartmouth College, Hanover, USA	Testing the external coincidence model in <i>Arabidopsis</i> accessions
	Sémon, Marie	French	Smurfit Institute, Dublin, Ireland	Claude Bernard University, Lyon, France	Evolutionary genomics and gene loss in fish species
	Thebault, Stéphanie	French	NCMLS, Nijmegen, The Netherlands	INSERM, Villeneuve D'Ascq, France	Functional characterisation and molecular regulation of the epithelial Mg ²⁺ protein transporter, TRPM6 channel, in the kidney
	Viatte, Lydie	French	EMBL Heidelberg, Germany	Cochin Institute, Paris, France	Role of Iron Regulatory Protein 1 and 2 and cross-talk with the systemic iron-regulator hepcidin: Insights from transgenic mouse models

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	name	nationality	host laboratory	home laboratory	research interest
France <i>cont.</i>	Walburger, Anne	French	INSERM, Marseille, France	Biocenter, University of Basel, Switzerland	Identification and characterisation of <i>Brucella</i> molecules involved in its survival in macrophages
	Zwaenepoel, Ingrid	French	University of Geneva, Switzerland	Pasteur Institute, Paris, France	Beta- and gamma-cytoplasmic actin isoforms function: Importance of their amino-terminal sequences
Germany	Bartke, Till	German	Gurdon Institute, Cambridge, UK	MPI for Biochemistry, Martinsried, Germany	Investigating the influence of histone modification patterns on chromatin activity
	Buschbeck, Marcus	German	CRG, Barcelona, Spain	CRG, Barcelona, Spain	Oncogene co-operation and loss of c-Myc regulation in leukaemia
	Dimmer, Kai Stefan	German	Dulbecco Telethon Institute, Padova, Italy	LMU, Munich, Germany	Molecular mechanism of second messengers in mitochondrial shape changes during life and death of the cell
	Ebert, Anja	German	IMP, Vienna, Austria	University of Halle, Germany	Epigenetic control of B cell identity by Pax5 and Polycomb group proteins
	Fleischer, Aarne	German	University of Salamanca, Spain	INSERM, Paris, France	Structural and functional characterisation of a novel membrane protein able to induce an atypical mode of cell death
	Hack, Michael Anton	German	Rockefeller University, New York, USA	GSF Institute for Stem Cell Research, Munich, Germany	The role of TCF3 in stem cell specification in the skin
	Haupt, Melina	German	EMBL Grenoble, France	Technical University of Munich, Germany	Cristallographic studies on the yeast TFIIIC complex
	Hellmann, Ines	German	Institute of Biology, Copenhagen, Denmark	MPI for Evolutionary Anthropology, Leipzig, Germany	Detecting selection in primate genomes
	Hubner, Michael R	German	CSHL, Cold Spring Harbor, USA	EMBL Heidelberg, Germany	Live-cell analysis of Polycomb group (PcG) protein-induced gene silencing
	Kaja, Simon	German	University of British Columbia, Vancouver, Canada	UMC Leiden, The Netherlands	Functional characterisation of low voltage-activated T-type calcium channels in cerebellar slices of wild-type and P/Q-type calcium channel mutant mice
	Kamena Fongang, Jean Faustin	German	ETH, Zurich, Switzerland	MPI for Developmental Biology, Tübingen, Germany	Glycosylphosphatidylinositol (GPI) as anti-toxin malaria vaccine candidate
Korbel, Jan	German	Yale University, New Haven, USA	EMBL Heidelberg, Germany	Exploring the dark matter of the human genome: Systematic discovery of microRNA genes using high-density oligonucleotide tiling arrays and comparative genome analysis	

long-term fellowship awards 2005

	name	nationality	host laboratory	home laboratory	research interest
Germany cont.	Krueger, Christel	German	Babraham Institute, Cambridge, UK	University of Erlangen, Germany	Higher order chromatin structure in imprinting
	Lachner, Monika	German	Rockefeller University, New York, USA	IMP, Vienna, Austria	Uncovering the function of lysine methylation in non-histone proteins
	Moese, Stefan	German	ETH, Zurich, Switzerland	MPI for Infection Biology, Berlin, Germany	Cell entry of Influenza A virus
	Moll, Markus	German	Karolinska Institute, Stockholm, Sweden	CSCHAH, Winnipeg, Canada	Mechanisms of HIV-1 interference with CD1-restricted T-cell-mediated immunity
	Niethammer, Philipp	German	HMS, Boston, USA	EMBL Heidelberg, Germany	Regulation of growth rate by nuclear and cytoplasmic parameters
	Probst, Aline	German	Curie Institute, Paris, France	University of Geneva, Switzerland	Mouse centromeric and pericentromeric heterochromatin: Functional organisation and memory of identity
	Prokop, Stefan	German	ETH, Zurich, Switzerland	LMU, Munich, Germany	Role of immunological phenomena during central prion pathogenesis
	Reiling, Jan	German	Whitehead Institute, Cambridge, USA	University of Zurich, Switzerland	A mammalian reverse genetic screen to identify and characterise genes that affect the growth of cancer cell lines cultured under conditions that mimic the tumour microenvironment
	Remus, Dirk	German	Cancer Research UK, South Mimms, UK	University of California, Berkeley, USA	Biochemical analysis of DNA replication initiation and development of an <i>in vitro</i> DNA replication system in <i>Saccharomyces</i> <i>cerevisiae</i>
	Rieping, Wolfgang	German	University of Cambridge, UK	Pasteur Institute, Paris, France	Direct structure determination of seven- transmembrane receptors from solution NMR data
	Sauerwald, Anselm	German	MRC Laboratory of Molecular Biology, Cambridge, UK	Albert Ludwigs University, Freiburg, Germany	Structural and functional analysis of the human telomerase protein/RNA complex
	Schaefer, Andreas	German	University College London, UK	MPI for Medical Research, Heidelberg, Germany	Cellular basis of odour discrimination in the mammalian olfactory bulb
	Schlieker, Christian	German	HMS, Boston, USA	ZMBH, Heidelberg, Germany	Dissecting the function of a viral isopeptidase
Schulz, Reiner	German	King's College London, UK	University of Maryland, USA	Analysis of microarray-based imprinted gene identification	
Schumacher, Björn	German	EMC, Rotterdam, The Netherlands	MPI for Biochemistry, Martinsried, Germany	Cancer and ageing	

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	name	nationality	host laboratory	home laboratory	research interest
Germany cont.	Schwab, Rebecca	German	CSHL, Cold Spring Harbor, USA	MPI for Developmental Biology, Tübingen, Germany	Chromatin regulation in plant stem cells
	Simons, Matias	German	MSSM, New York, USA	Freiburg University Hospital, Germany	Planar polarity in renal development and disease
	Sprick, Martin	German	AMC, Amsterdam, The Netherlands	DKFZ, Heidelberg, Germany	Apoptosis sensitivity of tumour stem cells
	Stark, Alexander	German	MIT, Cambridge, USA	EMBL Heidelberg, Germany	Regulatory networks of tissue-specific gene expression in <i>Drosophila</i>
	Vodermaier, Hartmut	German	IFOM, Milan, Italy	IMP, Vienna, Austria	Understanding the assembly pathway of kinetochores through biochemical reconstitution and structural analysis
	Weber, Ernst	German	MRC Laboratory of Molecular Biology, Cambridge, UK	University of Halle, Germany	Role of yeast Bsd2 and its human homologues N4WBP5 and N4WBP5A in recognition and sorting of membrane proteins
Greece	Briasouli, Paraskevi	Greek	University of California, San Francisco, USA	Institute of Cancer Research, London, UK	Creation of a knock-in mouse that conditionally expresses p73 using HRT technology
	Doitsidou, Maria	Greek	University of Columbia, New York, USA	MPI for Biophysical Chemistry, Göttingen, Germany	Genetic control of left/right asymmetric neuronal cell fate specification in <i>C. elegans</i>
	Giagtzoglou, Nikolaos	Greek	BCM, Houston, USA	IMBB-FORTH, Heraklion, Greece	Elucidating the function of Importin 13 (love) in axon guidance and synaptogenesis
	Harkiolaki, Maria	Greek	University of Oxford, UK	Weatherall Institute of Molecular Medicine, Oxford, UK	The structural basis of T cell receptor cross-reactivity
	Pavlopoulos, Anastasios	Greek	University of Cambridge, UK	IMBB-FORTH, Heraklion, Greece	Identification of Ubx-regulated targets at different time points during <i>Drosophila</i> haltere development
	Pitsouli, Chrysoula	Greek	HMS, Boston, USA	IMBB-FORTH, Heraklion, Greece	Use of Zinc Finger Nucleases for the generation of knockouts in <i>Drosophila</i>
Hungary	Katona, Gergely	Hungarian	IBS, Grenoble, France	University of Leicester, UK	Time-resolved structural studies of the myosin II motor domain by the combination of X-ray crystallography and crystal fluorescence microspectrophotometry
	Kiss, Mihaly Arnold	Hungarian	MPI-CBG, Dresden, Germany	University of Szeged, Hungary	Cellular and molecular function of Cajal bodies

long-term fellowship awards 2005

	<u>name</u>	<u>nationality</u>	<u>host laboratory</u>	<u>home laboratory</u>	<u>research interest</u>
Hungary <i>cont.</i>	Remenyi, Attila	Hungarian	Eötvös Lóránd University, Budapest, Hungary	University of California, San Francisco, USA	Exploring the physiological role of a hominid-specific trypsin in the brain
Ireland	Adrain, Colin	Irish	MRC Laboratory of Molecular Biology, Cambridge, UK	Smurfit Institute, Dublin, Ireland	Identification and genetic validation of novel substrates of the rhomboid family of intramembrane proteases
	Coghlan, Avril	Irish	WTSI, Hinxtton, UK	University College Dublin, Ireland	Evolution of the nervous system genome
Israel	Berger, Michael	Israeli	TSRI, La Jolla, USA	Hebrew University of Jerusalem, Israel	Genetic dissection of innate immunity to infection, using the mouse Cytomegalovirus (MCMV) model
	Citri, Ami	Israeli	Stanford University Medical Center, Palo Alto, USA	Weizmann Institute of Science, Rehovot, Israel	Elucidating the mechanism underlying long-term depression of hippocampal NMDA receptor-mediated synaptic transmission
	Conacci-Sorrell, Maralice	Israeli	FHCRC, Seattle, USA	Weizmann Institute of Science, Rehovot, Israel	A new pathway for Myc function in growth and cancer
	Frenkiel-Krispin, Daphna	Israeli	MPI for Biochemistry, Martinsried, Germany	Weizmann Institute of Science, Rehovot, Israel	Three-dimensional organisation of dendritic spines: Cryo-electron tomography studies
	Hanz, Shlomit	Israeli	HMS, Boston, USA	Weizmann Institute of Science, Rehovot, Israel	Cdk5-mediated early changes in synaptic signalling precede neurodegeneration
	Kapp-Barnea, Yaara	Israeli	Free University of Berlin, Germany	University of Tel Aviv, Israel	The role of membrane lipids and adaptor proteins in signal-mediated sorting of synaptic vesicle proteins
	Milyavsky, Michael	Israeli	University of Toronto, Canada	Weizmann Institute of Science, Rehovot, Israel	A genome scale RNAi screen for genes that control the developmental programme of haematopoietic stem cells
	Morvinski, Dinorah	Israeli	Salk Institute, La Jolla, USA	Weizmann Institute of Science, Rehovot, Israel	Silencing of the HER-2 gene in breast cancer stem cells using RNA interference mediated by lentiviral vectors
	Mukamel, Roy	Israeli	University of California, Los Angeles, USA	Weizmann Institute of Science, Rehovot, Israel	Human mirror neuron system – from single units to system level
	Shifman, Sagiv	Israeli	University of Oxford, UK	Hebrew University of Jerusalem, Israel	Mapping the genetic basis of neuroticism
Yeger-Lotem, Esti	Israeli	MIT, Cambridge, USA	Technion, Haifa, Israel	Computational analysis of pathways altered in Huntington's and Parkinson's diseases	

EMBO | long-term fellowship awards 2005

	name	nationality	host laboratory	home laboratory	research interest
Italy	Buscaino, Alessia	Italian	WTCCB, Edinburgh, UK	EMBL Heidelberg, Germany	Identification of new factors involved in RNA Polymerase II coupled gene silencing
	Calella, Anna Maria	Italian	University Hospital of Zurich, Switzerland	EMBL Monterotondo, Italy	Analysis of the physiological function of prion protein and its role in neurodegeneration using a proteomic approach <i>in vivo</i>
	Cambi, Alessandra	Italian	MPI for Biophysical Chemistry, Göttingen, Germany	NCMLS, Nijmegen, The Netherlands	Dynamics of DC-SIGN microdomains mediating recognition and uptake of viruses by dendritic cells
	Chini, Andrea	Italian	CSIC, Madrid, Spain	University of Edinburgh, UK	Dissection of the signalling pathway conveying disease resistance against <i>Pythium</i> infection in <i>Arabidopsis thaliana</i>
	Cotta-Ramusino, Cecilia	Italian	HMS, Boston, USA	IFOM, Milan, Italy	Identification of novel proteins interacting with stalled replication forks
	Danovi, Davide	Italian	MRC Laboratory for Molecular Cell Biology, London, UK	IFOM, Milan, Italy	A screen for oncogenes promoting anchorage-independent proliferation
	Del Bene, Filippo	Italian	University of California, San Francisco, USA	EMBL Heidelberg, Germany	Genetic and laser-surgical delineation of the optomotor pathway
	Ferrari, Davide	Italian	University of Zurich, Switzerland	University of Parma, Italy	Design and construction of an ankyrin repeat library and <i>in vitro</i> selection for high affinity binders to stabilise and crystallise G-coupled protein receptors membrane proteins
	Ferrario, Silvia	Italian	University of Nijmegen, The Netherlands	PRI, Wageningen, The Netherlands	Upstream regulators and downstream targets of <i>Arabidopsis</i> MADS box transcription factors
	Lo Celso, Cristina	Italian	Massachusetts General Hospital, Boston, USA	Cancer Research UK, London, UK	Visualisation and molecular characterisation of the haematopoietic stem cell niche
Parrinello Elliott, Simona	Italian	University College London, UK	University of California, Berkeley, USA	Schwann cell–fibroblast interactions in neurofibromatosis type 1	
Romagnani, Chiara	Italian	DRFZ, Berlin, Germany	University of Genova, Italy	The role of NK cells in auto-immunity	
The Netherlands	Claessen, Dennis	Dutch	University of Oxford, UK	University of Groningen, The Netherlands	Molecular basis for chromosome cohesion in sporulating cells of <i>Bacillus subtilis</i>
	Essers, Marieke	Dutch	ISREC, Epalinges, Switzerland	Utrecht University Medical Centre, The Netherlands	c-Myc and n-Myc function during epidermal homeostasis and tumourigenesis
	Koning, Fransje A.	Dutch	King's College London, UK	CLB, Amsterdam, The Netherlands	Mechanism of anti-HIV-1 activity of APOBEC3G

long-term fellowship awards 2005

	name	nationality	host laboratory	home laboratory	research interest
The Netherlands <i>cont.</i>	Koster, Gerbrand	Dutch	Curie Institute, Paris, France	University of Leiden, The Netherlands	Membrane fission by dynamin: A quantitative study of the molecular mechanism and the regulatory role of physical parameters
	Meulmeester, Erik	Dutch	Georg August University, Göttingen, Germany	Leiden University Medical Centre, The Netherlands	Regulation of target specificity for SUMO isoforms
	Van de Graaf, Stan	Dutch	ZMBE, Muenster, Germany	Nijmegen University Medical Centre, The Netherlands	Regulated endo- and exocytosis of TRPV5 and TRPV6
	Van Schaik, Willem	Dutch	Pasteur Institute, Paris, France	Wageningen University, The Netherlands	Characterisation of regulatory circuits controlling virulence gene expression in the anthrax bacterium, <i>Bacillus anthracis</i>
Poland	Kudla, Grzegorz	Polish	Harvard University, Cambridge, USA	IIMCB, Warsaw, Poland	A library of GFP genes with randomised codon usage
Portugal	Alves, Isabel	Portugese	UPMC, Paris, France	University of Arizona, Tucson, USA	Mass spectrometry analysis of the human neurokinin 1 (NK1) receptor
	de Paiva Alexandre, Ana Paula	Portugese	University College London, UK	ENS, Paris, France	Control of neurogenesis in vertebrate brain
	Fonseca, Rosalina	Portugese	University College London, UK	MPI for Neurobiology, Munich, Germany	Determining the functional role of an olfactory bulb glomerulus <i>in vivo</i>
	Mota, Luis Jaime	Portugese	Imperial College London, UK	Biocenter, University of Basel, Switzerland	The role of the pH inside the <i>Salmonella</i> containing vacuole on type-III secretion triggering and on bacterial intracellular multiplication
Spain	Alvarado-Kristensson, Maria Teresa	Spanish	CSIC, Madrid, Spain	University of Lund, Sweden	The role of SAD kinases
	Díaz-Moreno, Irene	Spanish	MRC NIMR, London, UK	CSIC, Seville, Spain	Interaction of the K-homology splicing recognition protein with target adenine rich elements
	Escudero, Luis	Spanish	MRC Laboratory of Molecular Biology, Cambridge, UK	MRC Laboratory of Molecular Biology, Cambridge, UK	Control of proliferation and cell shape in <i>Drosophila</i>
	Farrona, Sara	Spanish	MPI for Plant Breeding Research, Cologne, Germany	CSIC, Seville, Spain	Analysis of TFL2/LHP1 in the regulation of flowering gene expression and molecular characterisation of its interaction with the chromatin

EMBO | long-term fellowship awards 2005

	name	nationality	host laboratory	home laboratory	research interest
Spain cont.	Flames Bonilla, Nuria	Spanish	University of Columbia, New York, USA	INA, Alicante, Spain	Dopaminergic cell fate determinants in <i>C. elegans</i> : Characterisation of unc-86 as a general repressor of dopaminergic differentiation
	Gabalton, Juan Antonio	Spanish	CSAT, Valencia, Spain	CMBI, Nijmegen, The Netherlands	Integrative approach for the prediction of protein function and pathways in the human mitochondrial proteome
	Gandia-Herrero, Fernando	Spanish	University of York, UK	University of Murcia, Spain	Engineering transgenic plants for the phytoremediation of toxic explosives
	González Huici, Víctor	Spanish	FIRC, Milan, Italy	CSIC, Madrid, Spain	Mechanisms promoting the formation and migration of cruciform sister chromatid junctions during chromosome replication
	Hernanz Falcon, Patricia	Spanish	London Research Institute, UK	CSIC-CNB, Madrid, Spain	Characterisation of the early signalling events triggered by the β -glucan receptor Dectin-1
	Jimeno, Sonia	Spanish	National University of Ireland, Galway, Ireland	University of Seville, Spain	The role of chromatin in the DNA damage response
	Lluis Viñas, Frederuc	Spanish	TIGEM, Naples, Italy	CRG, Barcelona, Spain	Identification of genes involved in cell re-programming using microcell-mediated chromosome transfer
	Lopez-Rios, Javier	Spanish	University of Basel, Switzerland	CSIC, Madrid, Spain	Setting up a patterning system: The regulation and temporal changes in functioning of the transcriptional regulator GLI3 during mouse limb bud development
	Mingorance Jiménez de la Espada, Ana	Spanish	University of British Columbia, Vancouver, Canada	University of Barcelona, Spain	Mathematical modelling of axonal sprouting signalling
	Oliva-Blanco, Maria Angela	Spanish	MRC Laboratory of Molecular Biology, Cambridge, UK	CSIC, Madrid, Spain	Structural insight into FtsZ polymer dynamics
	Rite, Inmaculada	Spanish	GSF, Munich, Germany	University of Seville, Spain	Potential role of astrocytes in neurogenesis after brain injury
	Urizar, Eneko	Spanish	University of Columbia, New York, USA	IRIBHM, Brussels, Belgium	GPCR heterologomerisation: From the interface to the function
	Velazquez, Francisco	Spanish	MRC Laboratory of Molecular Biology, Cambridge, UK	CSIC-CNB, Madrid, Spain	Identification of new DIF-1-induced developmental signalling cascade components in <i>Dictyostelium discoideum</i>
Sweden	Andréasson, Claes	Swedish	University of Heidelberg, Germany	LICR, Stockholm, Sweden	A role for Hsp110/Stress Seventy E in the chaperone network – functional factors controlling the chaperone cycle

long-term fellowship awards 2005

	name	nationality	host laboratory	home laboratory	research interest
Sweden <i>cont.</i>	Aspholm, Marina	Swedish	IMBV, Oslo, Norway	University of Umea, Sweden	Roles of the PilC and PilV proteins of <i>Neisseria gonorrhoeae</i> in Type IV pilus-associated functions
	Helgstrand, Charlotte	Swedish	University of Lund, Sweden	University of Uppsala, Sweden	Characterisation of two novel superantigen ligands
	Karlsson, Håkan	Swedish	University of Dundee, UK	Karolinska Institute, Stockholm, Sweden	Defining role of the PtdIns(3,4)P2-TAPP-PTPL1 signalling network – implications for insulin resistance and type 2 diabetes
	Loren, Christina	Swedish	University of British Columbia, Vancouver, Canada	University of Umea, Sweden	Genetic and proteomic approaches to characterisation of Caprin-2, a novel regulator of proliferation and differentiation
	Lundgren, Josefin	Swedish	CRG, Barcelona, Spain	University of Stockholm, Sweden	Studies of alternative splicing using microarrays
	Nelander, Sven	Swedish	MSKCC, New York, USA	University of Gothenburg, Sweden	Epistasis networks in human cancer : Pathway modelling and prediction of targets for multiplex cancer therapy
	Rytkonen, Anne	Swedish	Imperial College London, UK	Karolinska Institute, Stockholm, Sweden	Identification of novel <i>Salmonella</i> effectors
	Sandin, Sara	Swedish	MRC Laboratory of Molecular Biology, Cambridge, UK	Karolinska Institute, Stockholm, Sweden	Structural analysis of the telomerase enzyme by single particle cryo-electron microscopy
Switzerland	Busch, Karl Emanuel	Swiss	MRC Laboratory of Molecular Biology, Cambridge, UK	EMBL Heidelberg, Germany	The role of neuronal compartmentalisation in generating specific behavioural responses in <i>C. elegans</i>
	Hippenmeyer, Simon	Swiss	University of Stanford, USA	Biocenter, University of Basel, Switzerland	Principles of odourant sensory map formation in higher brain centres
	Kraft, Claudine	Swiss	ETH, Zurich, Switzerland	IMP, Vienna, Austria	Characterisation of regulated organelle turnover by autophagy
Turkey	Ozbudak, Ertugrul	Turkish	Cancer Research UK, London, UK	Cancer Research UK, London, UK	The somite segmentation clock
	Ozlu, Nurhan	Turkish	HMS, Boston, USA	MPI-CBG, Dresden, Germany	Biochemical approaches to understand how the actomyosin cytoskeleton is controlled by microtubules during cytokinesis
United Kingdom	Campbell, Kirsteen	British	WEHI, Melbourne, Australia	University of Dundee, UK	An investigation of the role of Mnt in Myc-induced haemopoietic malignancies

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	name	nationality	host laboratory	home laboratory	research interest
United Kingdom <i>cont.</i>	Cockburn, Joseph	British	Pasteur Institute, Paris, France	University of Oxford, UK	Comparative structure-function analysis of the Dengue virus envelope protein in complex with relevant ligands from the host
	Gifford, Miriam	British	University of New York, USA	University of Edinburgh, UK	Nitrogen regulatory gene networks: Integrating metabolic control of development
	Leonard, Thomas	British	NIH, Bethesda, USA	MRC Laboratory of Molecular Biology, Cambridge, UK	Mechanistic studies of protein kinase C
	Scaplehorn, Niki	British	CNRS, Gif-Sur-Yvette, France	Cancer Research UK, London, UK	Signalling networks regulating cytoskeletal plasticity during long-term memory formation in <i>Drosophila</i>
	Vickers, Timothy	British	University of Washington, St Louis, USA	University of Dundee, UK	Novel targets for folate analogues in <i>Leishmania</i>
other nationalities	Bubeck, Doryen	American	University of Oxford, UK	HMS, Boston, USA	Structural studies investigating the interaction of TCR with CD3 within the context of a membrane
	LaCava, John	American	CRG, Barcelona, Spain	University of Edinburgh, UK	Molecular analysis of RPL30-regulated spliceosome assembly
	Lee, Albert	American	EMC, Rotterdam, The Netherlands	MIT, Cambridge, USA	Whole cell recording of hippocampal place cell activity in freely behaving rodents
	Rohde, Laurel	American	MPI-CBG, Dresden, Germany	University College London, UK	Frizzled function and single molecule dynamics in cell movement
	Walter, Lisa	American	Pasteur Institute, Paris, France	University of Washington, Seattle, USA	Mechanisms by which antigen transport and peripheral T cell activation confer central nervous system auto-immune disease
	Alic, Nazif	Australian	University College London, UK	CEA Saclay, Paris, France	Comprehensive study of the organs and tissues through which insulin-like signalling affects lifespan in <i>Drosophila</i>
	Selth, Luke	Australian	Cancer Research UK, South Mimms, UK	CSIRO, Urrbrae, Australia	The cellular role of the elongator complex
	Ivanova, Natalia	Bulgarian	CNRS-IBPC, Paris, France	University of Uppsala, Sweden	Study of defective translation termination by the use of modified tmRNA; searching for proteins whose synthesis is affected by lack of release factor methylation under conditions of normal growth or physiological stress
	Chang, Michael	Canadian	ISREC, Epalinges, Switzerland	University of Toronto, Canada	Identification of factors that regulate <i>in vivo</i> the extent of telomere elongation in <i>Saccharomyces cerevisiae</i>

long-term fellowship awards 2005

	name	nationality	host laboratory	home laboratory	research interest
other nationalities <i>cont.</i>	Chen, Min	Chinese	University of Bristol, UK	Goethe University, Frankfurt, Germany	The SecYEG protein translocation complex: An analysis of the interactions and movements required for channel gating
	Lou, Xiaohua	Chinese	Karolinska Institute, Stockholm, Sweden	USTC, Hefei, China	Three-dimensional structure of full-length nuclear receptor
	Kirmizis, Antonis	Cypriot	Gurdon Institute, Cambridge, UK	University of Wisconsin-Madison, USA	Investigating the link between histone phosphorylation and 14-3-3 proteins during apoptosis
	Antoun, Ayman	Egyptian	University of Bristol, UK	University of Uppsala, Sweden	The effects of DBC2 in cancer progression
	Prasad, Kalika	Indian	University of Utrecht, The Netherlands	IISc, Bangalore, India	Uncovering a common regulatory mechanism for plant organ formation
	Herman, Herry	Indonesian	CNRS, Montpellier, France	Cornell University, Ithaca, USA	Regulation of genomic imprinting
	Kobayashi, Kenji	Japanese	IBDM, Marseille, France	Kyoto University, Japan	Cross-talk between cell cycle exit and transcriptional control of differentiation in chordate embryos
	Hafalla, Julius Clemence	Philippianian	LSHTM, London, UK	University of New York, USA	Regulation of anti-malaria immune responses by transforming growth factor- β and interleukin-10
	Elina, Nataliya	Russian	Sainsbury Laboratory, Norwich, UK	University of Moscow, Russia	Role of viral RNA silencing suppressor in disease and development
	Kainov, Denis	Russian	IGBMC, Illkirch, France	Institute of Biotechnology, Helsinki, Finland	General transcription factor TFIIF at the crossroad between transcription and DNA repair
	Moshkin, Yuri	Russian	EMC, Rotterdam, The Netherlands	University of Geneva, Switzerland	A role of ubiquitin-specific proteases in transcription regulation and gene silencing
	Zavialov, Andrey	Russian	INSERM, Valbonne, France	University of Uppsala, Sweden	The function of ADA2, a novel adenosine deaminase-related growth factor, in immunity

applications and awards 2000–2005

country from	applications	% of total	awards	% of total	success rate %
Austria	63	1.30	16	1.88	25
Belgium	82	1.69	12	1.41	15
Croatia	23	0.47	6	0.71	26
Czech Republic	48	0.99	6	0.71	13
Denmark	48	0.99	9	1.06	19
Finland	63	1.30	10	1.18	16
France	1034	21.27	187	22.03	18
Germany	540	11.11	118	13.90	22
Greece	98	2.02	25	2.94	26
Hungary	63	1.30	13	1.53	21
Iceland	12	0.25	2	0.24	17
Ireland	47	0.97	6	0.74	13
Israel	252	5.18	42	4.95	17
Italy	321	6.60	43	5.06	13
Netherlands	181	3.72	45	5.30	25
Norway	8	0.16	0	0.00	0
Poland	38	0.78	6	0.71	16
Portugal	74	1.52	22	2.59	30
Slovenia	8	0.16	0	0.00	0
Spain	547	11.25	85	10.01	16
Sweden	231	4.75	30	3.53	13
Switzerland	79	1.63	26	3.06	33
Turkey	31	0.64	3	0.35	10
United Kingdom	262	5.39	34	4.00	13
Eastern Europe	122	2.51	13	1.53	11
USA/Canada	198	4.07	38	4.48	19
Others	388	7.98	52	6.12	13
total	4861	100	849	100	17

applications and awards 1977–2005

year	applications	awards	success rate %
2005	1236	198	16
2004	1137	166	15
2003	1080	176	16
2002	789	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
1979	254	101	40
1978	235	101	43
1977	236	94	40

EMBO | long-term fellowships 2005: geographical distribution

applications

to	from	Austria	Belgium	Croatia	Czech Rep.	Denmark	Finland	France	Germany	Greece	Hungary	Iceland	Ireland	Israel	Italy	Netherlands	Norway	Poland	Portugal	Slovenia	Spain	Sweden	Switzerland	Turkey	UK	Eastern Europe	USA/Canada	Others	total
Austria				1				2	3	2										1	1	1							11
Belgium			2					2	2	1						2		2	1		2					1	2		17
Croatia																													0
Czech Rep.											2														1	1			4
Denmark	1							1	4				1													1	2		18
Finland							2	2																		1			6
France	1	5	2	2		2	17	10	3	3			1		14	4		2	1	1	12	1	1		9	11	10	20	132
Germany	1	1	1			5	17	4	1	4				3	4	4		1			15	3	1	1	3	2	6	12	89
Greece										4					1										1				6
Hungary											2																		2
Iceland																													0
Ireland							2						1	1							1				1		1		7
Israel																						2							2
Italy			1				4	4							3			1			5	3			1	6			28
Netherlands		4		1	2	2	11	4				1	1	2	2						3	2	1		3	2	3		44
Norway								1								1					1	1							4
Poland																		1						1	1				3
Portugal							1							1					5						1				8
Slovenia																									1				1
Spain		1					13	5	1			1	3	7	4	1			1		7	3			6	1	2	13	69
Sweden	2	3		1	1	3	6	16					1		5			1	1		5	3		1		4	5	5	63
Switzerland	1	1				1	34	15		1					3	4		1			6	3	3	1	2		5	8	89
Turkey																													0
UK	1	2	1	5	1	1	61	31	5	2			3	5	15	10		3	7	1	39	12	3	2	8	11	11	39	279
EMBL			1	1	1	2	5	5	2						1					2	1				2	1	3		27
Eastern Europe							1																						1
USA/Canada	3	7		5	1	4	71	43	6	3	1	2	37	19	6			3	5	1	26	23	11	1	20	1	1		300
Others				2	1	1	10	4						1							1	3			3				26
total		10	27	6	18	8	21	260	149	26	18	2	10	49	72	42	1	16	23	4	124	68	20	7	58	39	42	116	1236

long-term fellowships 2005: geographical distribution

awards

to	from	Austria	Belgium	Croatia	Czech Rep.	Denmark	Finland	France	Germany	Greece	Hungary	Iceland	Ireland	Israel	Italy	Netherlands	Norway	Poland	Portugal	Slovenia	Spain	Sweden	Switzerland	Turkey	UK	Eastern Europe	USA/Canada	Others	total
Austria							1	1																					2
Belgium							1																						1
Croatia																													0
Czech Rep.																													0
Denmark								1																					1
Finland																													0
France			1				5	1	1		1					2			1					2	3	1	2	19	
Germany						1	4				1			2	2	2						2	1				1	16	
Greece																													0
Hungary											1																		1
Iceland																													0
Ireland							1															1							2
Israel																													0
Italy			1					2														2							5
Netherlands						1	1	2							1											1	1	1	8
Norway																						1							1
Poland																													0
Portugal																													0
Slovenia																													0
Spain								2							1						2	1					1	7	
Sweden						1		1														1					1	4	
Switzerland	1	1					4	3							2	1					1	1				1	15		
Turkey																													0
UK	1	2	1	1			19	8	2			2	1	3	2			3			6	3	1	1	1	1	6	64	
EMBL							3	1																					4
Eastern Europe																													0
USA/Canada	1	2					7	11	4					8	3			1			3	2	1	1	3			47	
Others																								1				1	
total		3	5	3	1	1	2	46	33	6	3	0	2	11	12	7	0	1	4	0	17	9	3	2	6	5	6	10	198

EMBO | short-term fellowship awards 2005

	name	nationality	host laboratory	home laboratory	research interest
Belgium	Capoen, Ward	Belgian	John Innes Centre, Norwich, UK	University of Zwijnaarde, Belgium	Investigation of calcium spiking events in <i>Sasbania rostrata</i> during nodulation
	Delputte, Peter	Belgian	University of Dundee, UK	University of Gent, Belgium	Identification of the porcine arterivirus protein-mediating virus attachment to the sialoadhesin receptor using a soluble, Fc-tagged sialoadhesin
	Hallez, Régis	Belgian	Yale University, New Haven, USA	University of Namur, Belgium	Phenotypical characterisation of <i>Caulobacter crescentus</i> mutant strains complemented with <i>Brucella abortus</i> orthologous genes
	Leyman, Shirley	Belgian	EPFL-LCB, Lausanne, Switzerland	Faculty of Medicine and Health Sciences, Gent, Belgium	Role of phosphatidylinositol-4, 5-bisphosphate-regulation of cofilin in cell adhesion and spreading
	Vlieghe, Kobe	Belgian	GSF, Neuherberg, Germany	University of Gent, Belgium	Investigating the role of endoreduplication in <i>Arabidopsis thaliana</i>
Croatia	Kovacic, Filip	Croatian	University of Düsseldorf, Germany	Rudjer Boskovic Institute, Zagreb, Croatia	Molecular biology of GDSL hydrolases
	Staresincic, Lidija	Croatian	EMC, Rotterdam, The Netherlands	IMCR, Zurich, Switzerland	Co-ordination of dual incision and repair synthesis in mammalian nucleotide excision repair
Czech Republic	Abrahamova, Katerina	Czech	Göteborg University, Sweden	Charles University, Prague, Czech Republic	Microarray analyses to study the role in RNA metabolism of <i>S. cerevisiae</i> Prp45p – the essential pre-mRNA processing protein
	Hynek, Radovan	Czech	Technical University of Denmark, Lyngby, Denmark	ICT, Prague, Czech Republic	Proteome analysis of the membrane of barley aleurone layer for identification of proteins involved in germination signalling
	Matalová, Eva	Czech	King's College, London, UK	Academy of Sciences, Brno, Czech Republic	Apoptosis in the primary enamel knot - modulations of caspase machinery using tooth slice cultures
	Skopek, Josef	Czech	IPB, Halle, Germany	Institute of Plant Molecular Biology, České Budejovice, Czech Republic	Analysis of enzymatic properties of CHS-like homologues from hop
Denmark	Hoffmann, Eva	Danish	HHMI, New Haven, USA	University of Leicester, UK	Global down regulation of double-strand breaks and meiotic regression of <i>sgs1</i> mutant cells
	Jakobsen, Ask Frode	Danish	DFKZ, Heidelberg, Germany	University of Southern Denmark, Odense, Denmark	Dissipative particle dynamics study of the COPI/COPII vesicle machinery

→ For a list of all organisations and their acronyms see **pages 138–142**

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	name	nationality	host laboratory	home laboratory	research interest
Finland	Ihalainen, Teemu	Finnish	University of Linz, Austria	University of Jyväskylä, Finland	Characterisation of biotin-avidin interactions
	Johansson, Marie	Finnish	NKI, Amsterdam, The Netherlands	NPHI, Helsinki, Finland	The functional relationship of ORP1L and RILP
	Metsä-Ketelä, Mikko	Finnish	HKI, Jena, Germany	University of Turku, Finland	Engineering diversity to aromatic polyketides
France	Allegra, Maryline	French	IMP, Vienna, Austria	University of Crete, Heraklion, Greece	Implication of ERF in epithelial-mesenchymal transition
	Bajenoff, Marc	French	NIAD, Bethesda, USA	IPMC, Valbonnes – Sophia Antipolis, France	Elucidation of the mechanisms by which NK cells influence CD4 T cell differentiation in mice infected with the intracellular parasite <i>Leishmania major</i>
	Beckoüet, Frédéric	French	Cardiff University School of Medicine, UK	DBJC, Gif-sur-Yvette, France	Effect of yeast RNA polymerase II mutants on transcription coupled repair
	Dalous, Jérémie	French	MPI for Biochemistry, Martinsried, Germany	CEA Grenoble, France	Actin cytoskeleton dynamics and protein relocalization in live cells under shear forces
	Dumollard, Rémi	French	University College London, UK	CNRS/UPMC, Villefranche-sur-Mer, France	Regulation of mitochondrial respiration at the onset of development
	Girard, Christophe	French	University of Cologne, Germany	University of Oxford, UK	Generation of mice-carrying mutations causing human neonatal diabetes
	Jaubert, Stéphanie	French	Imperial College London, UK	INRA Rennes, Le Rheu, France	Development of RNAi on the pea aphid (<i>Acyrtosiphon pisum</i>)
	La Carbona, Stéphanie	French	PICR, Manchester, UK	University of Rennes, France	Dynamic organisation of spindle and F-actin ring in mitotic <i>S. pombe</i> kin1D cells
	Leclerc, Estelle	French	TSRI, La Jolla, USA	Children's Hospital, Zurich, Switzerland	Selection of ligand-specific antibodies against RAGE from antibody phage display library
	Lesterlin, Christian	French	University of Uppsala, Sweden	Laboratory of Microbiology and Molecular Genetics, Toulouse, France	Study of a new cell cycle phenotype due to chromosome disruption in <i>Escherichia coli</i>
	Lobréaux, Stéphane	French	University of Geneva, Switzerland	INRA, Montpellier, France	Investigation of Suf protein function in chloroplast iron-sulfur cluster biogenesis
	Martineau, Magalie	French	MPI for Biophysical Chemistry, Göttingen, Germany	CNRS, Gif-sur-Yvette, France	Immunoisolation of D-serine-containing vesicles from glial cells and characterisation of the vesicular D-serine transport
	Pinaud, Fabien	French	CBS, Montpellier, France	University of California, Los Angeles, USA	Quantum dots tracking of GPI-anchored proteins in lipid bilayer models
Robert, Viviane	French	Free University of Brussels, Belgium	University of Utrecht, The Netherlands	Reconstitution of Omp85 protein and its interaction with substrate proteins	

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	name	nationality	host laboratory	home laboratory	research interest
France <i>cont.</i>	Ruel, Laurent	French	HMS, Boston, USA	University of Nice, France	Genome-wide screen for genes involved in the secretion and release of cholesterol-modified hedgehog
	Seibt, Julie	French	Free University of Brussels, Belgium	University Claude Bernard, Bron, France	Study of the regulation and function of genes potentially controlled by neurogenin-2 by <i>in utero</i> electroporation of the developing mouse brain
	Veiga, Patrick	French	University of Groningen, The Netherlands	INRA, Jouy-en-Josas, France	Identification of the genes induced by introduction of PG breaks in <i>Lactococcus lactis</i>
Germany	Dinkelaker, Stéphanie	German	University of Rome, Italy	J.W. Goethe University, Frankfurt, Germany	Role of archaeal RLI in translation initiation of <i>S. solfataricus</i>
	Elsner, Markus	German	Cornell University, Ithaca, USA	Göteborg University, Sweden	Multiphoton fluorescence correlation and fluorescence cross-correlation spectroscopy of Golgi enzymes
	Grütz, Gerald	German	MRC Laboratory of Molecular Biology, Cambridge, UK	Institute of Medical Immunology, Charité, Berlin, Germany	Generation of mice deficient for ZFP36L2/Tis11D
	Koch, Joachim	German	Leiden University Medical Center, The Netherlands	J.W. Goethe University, Frankfurt, Germany	Viral inhibitors of the transporter associated with antigen processing
	Leptin, Maria	German	WTSI, Cambridge, UK	University of Cologne, Germany	Innate immune genes and genetic polymorphism in the zebrafish (<i>Dario rerio</i>)
	Martic, Goran	German	NIMR, London, UK	University of Ioannina, Greece	Chromatin remodelling proteins containing polyglutamic stretches: Involvement in thymocyte development
	Michel, Kristin	German	OCEAC-IRD, Yaounde, Cameroon	EMBL Heidelberg, Germany	Influence of three SRPN immunity proteins on transmission of the human malaria parasite, <i>Plasmodium falciparum</i> , by <i>Anopheles gambiae</i> mosquitoes
	Pischon, Nicole	German	University of Oulu, Finland	Charité International University Clinic, Berlin, Germany	The skeletal phenotype of lysyl oxidase knock-out mice
	Schmidt, Michael	German	COSI, Torino, Italy	Free University of Berlin, Germany	Role of g-BAR in neuronal membrane traffic and polarisation
	Szilagyi, Balint	German	HMS, Boston, USA	University of Cologne, Germany	IgG1+ cells in AID deficient mice. Does the responsible mechanism utilise common CSR between S regions and is it also able to mediate SHM?
Temme, Claudia	German	IGH, Montpellier, France	University of Halle, Germany	Composition and function of the CCR4/NOT complex in <i>Drosophila melanogaster</i>	

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Greece	Kosmopoulou, Magda	Greek	University of Newcastle-upon-Tyne, UK	The National Hellenic Research Foundation, Athens, Greece	The effect of 3 new classes of glycogen phosphorylase inhibitors on glycogenolysis and glycogen synthesis in intact rat hepatocytes
	Papavasileiou, Dimitris	Greek	MRC Laboratory of Molecular Biology, Cambridge, UK	Mycology Reference Laboratory, Athens, Greece	Cell signalling in <i>Dictyostelium</i> development and differentiation
	Petrakis, Nicolaos	Greek	NKI, Amsterdam, The Netherlands	IMBB-FORTH, Heraklion, Greece	Crystallisation of the mitochondrial TIMO chaperone/translocase complex
	Roukos, Vassilis	Greek	EMBL Heidelberg, Germany	University of Patras, Greece	Studies of DNA damage-mediated proteolysis of the licensing factor Cdt1 using advanced microscopy techniques
	Tsellou, Erasmia	Greek	HMS, Charlestown, USA	University of Athens, Greece	Identification of novel tumour-specific genes associated with Notch overexpression in mouse mammary cancer progression
	Typas, Athanasios	Greek	LBPA, Cachan, France	Free University of Berlin, Germany	Differences in promoter binding by the vegetative RNA polymerase Es70 and the "stress" RNA polymerase Ess
	Tzamourakas, Alexandros	Greek	INSERM U536, Paris, France	IMBB-FORTH, Heraklion, Greece	Functional characterisation of neural and glial TAG-1 in myelinated fibers
Hungary	Horváth, Béla	Hungarian	University of Heidelberg, Germany	Semmelweis University, Budapest, Hungary	Regulation of the blood pressure by nitric oxide-mediated modulation of smooth muscle contractility
	Mádi, András	Hungarian	University of Rostock, Germany	University of Debrecen, Hungary	Investigation on the post-translational modification of the cell death substrate lamin protein characteristic for the ced-1 cell death mutant of the nematode <i>Caenorhabditis elegans</i>
	Mártonfalvi, Zsolt	Hungarian	University of Florence, Italy	University of Pécs, Hungary	Mechanics of actin-tintin interaction explored at the sarcomeric level
	Novák, Béla	Hungarian	Cancer Research UK, London, UK	Budapest University of Technology, Hungary	Computational modelling of DNA replication control in the fission yeast cell cycle
Ireland	Faller, William	Irish	CNIO, Madrid, Spain	The Conway Institute, Dublin, Ireland	Methylation profiling of markers for melanoma progression
	Furney, Simon John	Irish	IMIM, Barcelona, Spain	University College Dublin, Ireland	Molecular evolution of genes involved in human cancer
	Ryan, Kieran	Irish	St. George's Hospital Medical School, London, UK	University College Cork, Ireland	Identification of unknown flagellar genes in <i>H. pylori</i>

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	name	nationality	host laboratory	home laboratory	research interest
Ireland cont.	Tosh, David	Irish	EMBL Monterotondo, Italy	University of Bath, Claverton Down, UK	Molecular basis of hepatocyte differentiation
Israel	Avni, Adi	Israeli	University of Wageningen, The Netherlands	Tel Aviv University, Israel	A functional genomics approach to identify signalling components involved in defence responses induced by the ethylene-inducing xyalanase elicitor
	Citri, Ami	Israeli	University of Texas, MD Anderson Cancer Center, Houston, USA	The Weizmann Institute of Science, Rehovot, Israel	Analysis and modelling of novel feedback-loop negative regulators of EGFR signalling
	Fridkin, Alexandra	Israeli	Cornell University, Ithaca, USA	The Hebrew University of Jerusalem, Israel	The role of Matefin in <i>C. elegans</i> ageing
	Friedman, Ran	Israeli	Utah State University, Logan, USA	Tel Aviv University, Israel	Calculation of kinetic isotope effects for proton transfer reactions on the molecular surface
	Goldstein Magal, Lee	Israeli	University of Madrid, Spain	Tel Aviv University, Israel	Live cell analysis of the intracellular localization and mechanisms of MAL function
	Kerem, Batsheva	Israeli	Pasteur Institute, Paris, France	The Hebrew University of Jerusalem, Israel	Replication dynamics and chromosomal instability in the human genome
	Machluf, Vered	Israeli	CNRS, Gif-sur-Yvette, France	The Weizmann Institute of Science, Rehovot, Israel	The involvement of the <i>Drosophila</i> langoustine dystrophin-like proteins in learning and memory
	Maizels, Yael	Israeli/ American	The Rockefeller University, New York, USA	Hebrew University, Hadassah Medical School, Jerusalem, Israel	The search for mRNA targets of the VICKZ family in the developing mouse brain
	Milstein, Oren	Israeli	NYU School of Medicine, New York, USA	The Weizmann Institute of Science, Rehovot, Israel	Visualisation of the veto cell immune synapse
	Nabel-Rosen, Helit	Israeli	King's College London, UK	The Weizmann Institute of Science, Rehovot, Israel	Real-time analysis of hypothalamic dopaminergic neural progenitors
	Padan, Etana	Israeli	MPI of Biophysics, Frankfurt, Germany	Hebrew University of Jerusalem, Israel	Crystal structure of the active open conformation of NhaA-Na ⁺ /H ⁺ antiporters, structure/function of membrane proteins
	Poraty, Limor	Israeli	ETH, Zurich, Switzerland	Tel Aviv University, Israel	Genome-wide expression in an <i>Arabidopsis</i> RACs mutant
	Ring, Gabriela	Israeli	University of Rome, Italy	Ben Gurion University of the Negev, Beer-Sheva, Israel	Development of an <i>in vitro</i> translation system for halophilic Archaea
	Trachtenberg, Shlomo	Israeli	EMBL Heidelberg, Germany	Hebrew University, Hadassah Medical School, Jerusalem, Israel	Swimming biophysics and mechanics of the helical mollicute <i>Spiroplasma melliferum</i> – a minimal form of life

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	name	nationality	host laboratory	home laboratory	research interest
Israel <i>cont.</i>	Yaakov, Gilad	Israeli	University Pompeu Fabra, Barcelona, Spain	Hebrew University of Jerusalem, Israel	Hyperactive Hog1 molecules: A unique tool for revealing the biology and biochemistry of MAPKs
	Zeidner, Gil	Israeli	Texas A&M University, Tamu, USA	Technion, Haifa, Israel	Marine cyanobacterial photosynthesis regulation by cyanophages
Italy	Avitabile, Daniele	Italian	MBC, Dresden, Germany	Cardiological Centre, Monzino Foundation, Milan, Italy	Application of biopolymers for <i>in vitro</i> reconstituted heart tissue using stem cells
	Biroccio, Annamaria	Italian	University Claude Bernard, CNRS, Lyon, France	Regina Elena Cancer Institute, Rome, Italy	Interplay between hTERT and TRF2 for telomere capping
	Brunetta, Alessia	Italian	University of Geneva, Switzerland	University of Padova, Italy	Isolation of <i>Chlamydomonas reinhardtii</i> mutants affected in photosystem II repair
	Caruso, Maddalena	Italian	University of Buenos Aires, Argentina	University of Rome, Italy	Study of the role of the polyomavirus- $\alpha 4\beta 1$ integrin interaction in virus tissue-tropism and tumorigenicity <i>in vivo</i>
	Cotta-Ramusino, Cecilia	Italian	Pasteur Institute, Paris, France	IFOM, Milan, Italy	Analysis of replication intermediates by molecular combing
	Cursi, Silvia	Italian	Cancer Research UK, Manchester, UK	University "Tor Vergata", Rome, Italy	Role of caspase-8 tyrosine phosphorylation in human colon cancer cell lines
	Daviso, Eugenio	Italian	MPI for Polymer Research, Mainz, Germany	University of Leiden, The Netherlands	NMR above the Boltzmann limit: A biophysical approach powered by natural photosynthesis
	Di Donato, Mariangela	Italian	Free University of Amsterdam, The Netherlands	University of Salerno, Italy	Femtosecond-visible/mid-infrared pump-probe studies of primary processes of photosynthesis
	Favaro, Rebecca	Italian	University of Edinburgh, UK	University of Milan, Italy	Conditional ablation of the Sox2 transcription factor gene in neural stem cells
	Fraldi, Alessandro	Italian	Women and Children's Hospital, Adelaide, Australia	TIGEM, Naples, Italy	Adeno-associate virus-mediated gene delivering to CNS of MPS-IIIa mice
	Grumelli, Carlotta	Italian	Duke University Medical Centre, Durham, USA	University of Milan, Italy	Role of pre-synaptic AMPA receptor in modulation of neurotransmitter release
	Guffanti, Elisa	Italian	CEA Saclay, Gif-sur-Yvette, France	University of Parma, Italy	Effects of chromatin disruption on the genomic location of the RNA polymerase III transcription machinery in <i>Saccharomyces cerevisiae</i>
	Iovino, Nicola	Italian	The Rockefeller University, New York, USA	IRBM, Rome, Italy	The role of miRNAs in regulation of human haematopoietic cell lineage decision

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Italy cont.	La Corte, Giorgio	Italian	ETH, Zurich, Switzerland	CNR, Rome, Italy	Isolation of naturally occurring VGF peptides involved in gastrointestinal functions and in the response to injury and inflammation
	Laneve, Pietro	Italian	University of Aarhus, Denmark	University of Rome, Italy	Identification of microRNAs expressed in neuronal patterning and neuroblastic tumours
	Lionetti, Vincenzo	Italian	MPI for Molecular Plant Physiology, Golm, Germany	University of Rome, Italy	Cell wall characterisation of <i>Arabidopsis thaliana</i> plants altered in pectin methylesterase inhibitors expression
	Lippi, Giordano	Italian	University of Leicester, UK	University of Modena & Reggio Emilia, Italy	Molecular basis of nicotine neuroprotection: The role of calcium transporting proteins
	Marone, Daniela	Italian	IPK, Gatersleben, Germany	ISC, Foggia, Italy	Development of three genetic maps for the dissection of the genetic bases of agronomical key traits in durum wheat
	Merone, Luigia	Italian	Louis Pasteur University, Strasbourg, France	CNR, Naples, Italy	<i>In vitro</i> evolution of a thermostable phosphotriesterase from <i>Sulfolobus solfataricus</i>
	Nicastro, Giuseppe	Italian	NIMR, London, UK	University of Parma, Italy	Structural characterisation of the complex between the Josephin domain of ataxin-3 and the Ubl domain of HHR23B
	Palma, Paolo	Italian	Karolinska Institute, Stockholm, Sweden	University of Rome, Italy	Molecular mechanisms of primary HIV immune response and prime boost strategies to induce long-term memory
	Pantaleo, Vitantonio	Italian	Agricultural Biotechnology Center, Gödöllő, Hungary	CNR, Bari, Italy	Molecular mechanisms of virus-induced gene silencing in Tombusvirus
	Rigoni, Michela	Italian	Cancer Research UK, London, UK	University of Padova, Italy	Cellular localization and mode of action of Taipoxin in primary motor neurons
	Sisto, Pasqua Sandra	Italian	Free University of Amsterdam, The Netherlands	University of Palermo, Italy	Analysis of the principal genes involved in the adenoma-carcinoma progression of colorectal cancer
	Spadoni, Sara	Italian	University of Cambridge, UK	University of Rome, Italy	Advanced proteomics methods for the analysis of the responses induced by oligogalacturonides (OGs) in <i>Arabidopsis thaliana</i>
	Vernarecci, Stefano	Italian	PICR, Manchester, UK	University of Rome, Italy	Functional study of a novel penta-EF protein localized at spindle body in budding yeast
	Zambelli, Barbara	Italian	EMBL Hamburg, Germany	University of Bologna, Italy	Structural, molecular and functional characterisation of proteins involved in cellular metal trafficking
	Zanoni, Ivan	Italian	HMS, Boston, USA	University of Milan, Italy	Study of the cellular and molecular interactions between dendritic cells and NK cells at the draining lymph nodes using the multiphoton microscopy

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The Netherlands	Hemmes, Hans	Dutch	Agricultural Biology Center, Gödöllő, Hungary	University of Wageningen, The Netherlands	Biochemical analysis of tomato-spotted wilt virus NSs and rice hoja blanca tenuivirus NS3 RNAi suppressor proteins which have a dual role in antiviral RNAi
	Slofstra, Sjoukje	Dutch	Oklahoma Medical Research Foundation, Oklahoma City, USA	Academic Medical Center, The Netherlands	Activated protein C-induced PAR-1/EPCR-mediated signalling, sepsis and inflammation
	Tiecke, Eva	Dutch	Tokyo Institute of Technology, Yokohama, Japan	University of Dundee, UK	Lampreys as a model to examine the origin of paired appendages in vertebrates
	van Duijn, Esther	Dutch	University of Cambridge, UK	University of Utrecht, The Netherlands	Tandem mass spectrometry on high molecular weight ions from chaperonin complexes
	van Manen, Henk-Jan	Dutch	MPI for Biophysical Chemistry, Göttingen, Germany	University of Twente, Enschede, The Netherlands	Dynamic fluorescence microscopy of NADPH oxidase activation in living phagocytes
	Verweij, Walter	Dutch	Laboratory of Botany, Lecce, Italy	Free University of Amsterdam, The Netherlands	Study of the sub-cellular localization of proteins involved in vacuolar lumen acidification and vacuole ontogenesis
Norway	McLeod, Anette	Norwegian	INRA, Jouy-en-Josas, France	MATFORSK, Aas, Norway	Genome-wide study: Metabolism and gene regulation in <i>Lactobacillus sakei</i>
Poland	Bakowska, Kamilla	Polish	IMU, Innsbruck, Austria	Polish Academy of Sciences, Poznan, Poland	Study of ribosomal functions and dynamics
	Grzela, Renata	Polish	IBS, Grenoble, France	Polish Academy of Sciences, Warsaw, Poland	Crystal studies of potato virus Y VPg and its complex with initiation factor eIF4E
	Juranek, Judyta	Polish	University of Lund, Sweden	University of Warmia and Mazury, Olsztyn, Poland	Transport and assembly of cytomatrix at presynaptic active zone
	Kubica, Malgorzata Grazyna	Polish	International University of Bremen, Germany	Jagiellonian University, Krakow, Poland	<i>Staphylococcus aureus</i> survival within human monocyte-derived macrophages
	Olszewski, Maciej	Polish	Utrecht University Medical Centre, The Netherlands	IIMCB, Warsaw, Poland	The role of TNF-alpha propeptide in storage of this cytokine in mast cell granules
	Rudolf, Bogna	Polish	CNRS, Paris, France	University of Lodz, Poland	Heavy transition organometallic complexes for the site-specific covalent labelling of proteins

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	name	nationality	host laboratory	home laboratory	research interest
Poland <i>cont.</i>	Skowronek, Krzysztof	Polish	Institute of Biotechnology, Cuernavaca, Morelos, Mexico	IIMCB, Warsaw, Poland	Saturation orthogonal mutagenesis to engineer sequence specificity of restriction endonucleases NlaIV and Bsp6I
	Wieckowski, Mariusz	Polish	University of Ferrara, Italy	Nencki Institute of Experimental Biology, Warsaw, Poland	The role of mitochondria-associated membranes in physiological and pathological calcium signals
Portugal	Anes (Ribeiro dos Santos), Elsa	Portuguese	EMBL Heidelberg, Germany	University of Lisbon, Portugal	High-throughout microarray technology and RNAi knockout for a <i>Mycobacterium</i> phagosome system
	Barata, Joao	Portuguese	Utrecht University Medical Centre, The Netherlands	Institute of Molecular Medicine, Lisbon, Portugal	Role of Akt/PKB downstream targets GSK-3 and FoxOs in IL-7-mediated viability proliferation and growth of leukaemia T-cells
	Barbosa Morais, Nuno Luís	Portuguese	University of Cambridge, UK	University of Lisbon, Portugal	Resemblance between teleost gene duplication and mammalian alternative splicing
	Douradinha, Bruno	Portuguese	University of Edinburgh, UK	Faculty of Medicine, Lisbon, Portugal	Immunisation with mutant <i>Plasmodium</i> parasites
	Vaz, Daniela C.	Portuguese	OCMS, Oxford, UK	University of Coimbra, Portugal	Multidimensional NMR experiments on three human interleukin-4 mutants
Slovenia	Frajman, Bozo	Slovenian	University of Uppsala, Sweden	University of Ljubljana, Slovenia	Molecular phylogenies of <i>Heliosperma</i> , Sileneae (Caryophyllaceae), based on RNA polymerase genes
	Zavasnik Bergant, Tina	Slovenian	EMBL Heidelberg, Germany	Josef Stefan Institute, Ljubljana, Slovenia	Protease inhibitor cystatin C determination in human dendritic cells by electron microscopy
Spain	Alvarez-Garcia, Ines	Spanish	EMBL Heidelberg, Germany	Cancer Research UK, Gurdon Institute, Cambridge, UK	Functional characterisation of the miR-2 family of microRNAs in <i>Drosophila melanogaster</i>
	Bernado Pereto, Pau	Spanish	EMBL Hamburg, Germany	IBS, Grenoble, France	Structural characterisation of the C-terminal domain of Sendai virus phosphoprotein. An indispensable protein for viral RNA replication and transcription
	Blanco-Garcia, Angel	Spanish	EMBL Heidelberg, Germany	University of Barcelona, Spain	Genome-wide analysis of the evolutionary history of orphan genes
	Carazo, Rafael Fernández	Spanish	Catholic University of Leuven, Heverlee, Belgium	University of Granada, Spain	Study of nitrogen fixation in <i>Halomonas maura</i>

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	name	nationality	host laboratory	home laboratory	research interest
Spain <i>cont.</i>	Cerezo-Guisado, María Isabel	Spanish	Imperial College School of Medicine at Hammersmith Hospital, London, UK	School of Veterinary Sciences, Cáceres, Spain	Transcriptional regulation of neuronal apoptosis
	Conde, Francisco M.	Spanish	University of Cambridge, UK	Cancer Research Institute, Salamanca, Spain	Role of histone modifications in DNA damage and meiotic checkpoints
	Espada, Jesus	Spanish	MRC Human Genetics Unit, Edinburgh, UK	CNIO, Madrid, Spain	Role of DNA methyltransferase 1 in the organisation of chromosome territories
	Fernandez, Jose-Jesus	Spanish	MRC, Cambridge, UK	University of Almeria, Spain	Computational techniques in single particle cryoEM and in cryoET
	Gil, Jesus	Spanish	CSHL, Cold Spring Harbour, USA	Cancer Research UK, London Research Institute, UK	Animal models for studying the role of CBX7 in cellular homeostasis and cancer
	Grego Bessa, Joaquim	Spanish	University of California, San Francisco, USA	National Centre of Biotechnology, Madrid, Spain	Role of the s225 gene in zebrafish cardiac development
	Larrú Meca, Laura	Spanish	NKI, Amsterdam, The Netherlands	University of Barcelona, Spain	Role of p16 in the control of avb3-integrin mediated cell migration and invasion
	Lopez-Aviles, Sandra	Spanish	MHH, Germany	University of Barcelona, Spain	Role of the MAPKAP K2 in the regulation of cell cycle progression during stress
	López-Martín, Carmen	Spanish	MPI of Molecular Plant Physiology, Golm, Germany	CICIC, Seville, Spain	Metabolomic profiling of t-DNA tagged SAT mutants defective in the cytosolic and plastidial SAT and their crossings with respect to abiotic stress
	Luque Buzo, Daniel	Spanish	NIH, Bethesda, USA	UAM, Madrid, Spain	Three-dimensional reconstruction methods of helical assemblies: Tubular structure derived from infectious bursal disease virus
	Mas Lopez, Antonio	Spanish	Biocenter, University of Würzburg, Germany	University Pompeu Fabra, Barcelona, Spain	Analysis of the molecular mechanism underlying the involvement of the decapping complex LSM1-7 in the replication of positive strand RNA viruses
	Melchor Fernández, Lorenzo	Spanish	AFCRI, Philadelphia, USA	CNIO, Madrid, Spain	Characterisation of recurrent regions of high level amplifications in hereditary breast cancer
	Morcillo, Julián	Spanish	University College London, UK	CSIC, Madrid, Spain	Sonic hedgehog rescue of Pax2-positive cells absent in the optic disc of ocular retardation mutant mice
	Pérez Martínez, Isabel	Spanish	Michigan State University, East Lansing, USA	University of Málaga, Spain	Comparative genome analysis of the pPt23A plasmid family of <i>Pseudomonas savastanoi</i>
	Prado Cabrero, Alfonso	Spanish	University of Freiburg, Germany	University of Seville, Spain	Functional characterisation of carX, a gene of the carotenoid oxygenase family in the ascomycete <i>Fusarium fujikuroi</i>

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Spain <i>cont.</i>	Reales Rodriguez, Elena	Spanish	San Raffaele University, Milan, Italy	University Hospital Puerta Del Mar, Cadiz, Spain	Manipulating B-cell differentiation and function
	Rodriguez Sanchez, Josana	Spanish	University of Cambridge, UK	Institute Ramón y Cajal, Madrid, Spain	SFRP1 modifies growth and directionality of retinal ganglion cells
	Roldán Rivero, Isaac	Spanish	CNRS, Lille, France	University of Seville, Spain	Characterisation of amylopectin structure and starch composition in soluble starch synthase type IV knock-out mutant of <i>Arabidopsis thaliana</i>
	Ruiz Lorenzo, María Fernanda	Spanish	University of Napoli Federico II, Naples, Italy	CSIC, Madrid, Spain	The gene transformer of <i>Anastrepha obliqua</i>
	Sánchez Durán, Miguel	Spanish	North Carolina State University, Raleigh, USA	University of Málaga, Spain	Analysis of the interaction between TGMV AL1 and plant SCE1/UBC9, the E2 sumoylating enzyme
	Sanjuán Verdeguer, Rafael	Spanish	University of Texas, Austin, USA	University of Valencia, Spain	Genome complexity, genetic robustness and the rate of adaptation in bacteriophages
	Tajadura, Virginia	Spanish	ISREC, Epalinges, Switzerland	University of Salamanca, Spain	Is the fission yeast Rho1p activator rgl3 regulated by the septation initiation network?
	Urbano Fernandez, Jose Maria	Spanish	Brigham & Women's Hospital, Boston, USA	University Pablo de Olavide, Seville, Spain	Functional genomic characterisation of migratory processes during midgut development
	Valle, Noelia	Spanish	NKI, Amsterdam, The Netherlands	UAM, Madrid, Spain	Interactions of the Parvovirus NS2 protein with exportin-1/CRM1 and nuclear pore complex components
Veiga, Esteban	Spanish	CBRI, Boston, USA	Pasteur Institute, Paris, France	Dynamics of endocytic machinery during bacterial infections	
Sweden	Stenberg, Per	Swedish	ABI, Munich, Germany	University of Umea, Sweden	Characterisation of the POF complex and study of its regulation of chromatin in <i>Drosophila</i>
Switzerland	Soldini, Davide	Swiss	CNIO, Madrid, Spain	University of Zurich, Switzerland	Discovery of novel markers and targets for detection and/or treatment of early stages of cancer through microarray analysis of cell super-competition.
Turkey	Demirel, Ozlem	Turkish	HHMI, New Haven, USA	J.W. Goethe University, Frankfurt, Germany	Peptide transport into lysosomes and MHC class II loading by TAPL

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Turkey <i>cont.</i>	Kutluk Yilmaz, Nazli Dide	Turkish	Rothamsted Research, Harpenden, UK	Ondokuz Mayıs University, Samsun, Turkey	Identification of soil-borne mosaic virus diseases transmitted by <i>Polymyxa graminis</i> in cereal production areas of Turkey
	Öztürk, Mehmet	Turkish	University of East Anglia, Norwich, UK	University of Istanbul, Turkey	Further characterisation of the effects of replacement of five highly conserved amino acids of subunit I in cbb3-type oxydase of <i>R. capsulatus</i>
	Topaloglu, Ali Kemal	Turkish	University of Cambridge, UK	Cukurova University, Adana, Turkey	Genetic analysis in a cohort of patients with normosmic idiopathic hypogonadotropic hypogonadism
United Kingdom	Edwards, Carol Ann	British	University of Melbourne, Australia	University of Cambridge, UK	Imprinting and expression analysis of imprinted genes in the Tammar Wallaby
	Kozłowski, Cleopatra	British/ Polish	MPI-CBG, Dresden, Germany	EMBL Heidelberg, Germany	Characterising the forces involved in spindle positioning in the first cell division of <i>C. elegans</i>
	Le Pichon, Claire	British/ French	Zurich University Hospital, Switzerland	Columbia University, New York, USA	Expression and function of the cellular prion protein Prpc in the murine olfactory system
	Nicol, Graeme	British	University of Bergen, Norway	University of Aberdeen, UK	Genomic analysis of soil Archaea in glacier forelands
	Perrett, Sarah	British	Hutchinson/MRC Research Centre, Cambridge, UK	Chinese Academy of Sciences, Beijing, China	Protein misfolding and disease
	Robson, Alice	British	HMS, Boston, USA	School of Medical Sciences, Bristol, UK	Structural analysis of the SecY protein translocation complex and its gating mechanism
	Stevens, Julie Maureen	British	ETH, Zurich, Switzerland	University of Oxford, UK	Cytocrome c maturation in <i>Escherichia coli</i>
	Wardle, Fiona	British	WIBR, Cambridge, USA	Cancer Research UK, Cambridge, UK	Identification of T-domain targets in zebrafish using genome-wide location analysis
other nationalities	Cabeen, Matthew T.	American	DKFZ, Heidelberg, Germany	Yale University, New Haven, USA	Biochemical characterisation of crescentin, a bacterial intermediate filament-like protein
	Dushay, Mitchell	American	EMBL Heidelberg, Germany	Södertörn University, Huddinge, Sweden	Analysis of coagulation in <i>Anopheles gambiae</i> mosquitoes
	Carrari, Fernando	Argentinian	MPI for Plant Physiology, Golm, Germany	INTA, Castelar, Argentina	Biodiversity exploitation: Identification of metabolic QTLs using wild species tomato
	Gelman, Diego Matias	Argentinian	University College London, UK	Miguel Hernandez University, Alicante, Spain	Generation of a developmental mice model of cortical interneuron deficiency

EMBO | short-term fellowship awards 2005

	name	nationality	host laboratory	home laboratory	research interest
other nationalities	Laxalt, Ana Maria	Argentinian	SILS, Amsterdam, The Netherlands	University of Mar del Plata, Argentina	Real time visualisation of NO-induced phospholipid signalling in living plant cells
<i>cont.</i>	Tanos, Tamara Beatriz	Argentinian	UAM, Madrid, Spain	University of Buenos Aires, Argentina	Role of heme oxygenase-1as a therapeutic target in the development of tumours induced by the G protein-coupled receptor from the Kaposi's sarcoma-associated herpes virus
	Foster, Natasha	Australian	University of Dundee, UK	Centre for Immunology, Darlinghurst, Australia	Nucleolar localization and mobility study of two nuclear factors induced during inflammation in endothelial cells
	Sutija, Margareta	Australian	University of Edinburgh, UK	University of Utrecht, The Netherlands	Molecular and cellular mechanisms driving extension of the embryonic axis in the mouse
	Cordeiro Júnior, Quirino	Brazilian	King's College London, UK	University of São Paulo, Brazil	Genetic mapping of bipolar disorder and schizophrenia: Genome-wide association by DNA pooling
	Ganchev, Dragomir N.	Bulgarian	University of British Columbia, Vancouver, Canada	University of Utrecht, The Netherlands	Biomembrane force probe investigation of transmembrane peptides incorporated in biomembranes
	Parvanova, Iana	Bulgarian	University of Lisbon, Portugal	University of Cologne, Germany	Role of the p47 GTPase IIGP1 in immune defense against malaria
	Wang, Hong	Chinese	MPI for Terrestrial Microbiology, Marburg, Germany	University of Jyväskylä, Finland	Quantitative detection of the community structure and activity of methanotrophs on rice roots by molecular techniques
	Zu, Xinlin	Chinese	University of Munich, Germany	University of Western Australia, Perth, Australia	Development of detection of protein histidine phosphorylation sites by mass spectrometry
	Kurrikoff, Kaiko	Estonian	King's College, London, UK	Institute of Physiology, Tartu, Estonia	Brainstem and midbrain gene expression analysis of CCK2 knockout mice using mouse gene expression chip
	Appunu, Chinnaswamy	Indian	INRA, Dijon, France	Banaras Hindu University, Varanasi, India	Genetic diversity of native <i>Bradyrhizobium</i> strain isolates of soybean, cowpea, black gram and green gram from Indian soil
	Tokuriki, Nobuhiko	Japanese	EMBL Heidelberg, Germany	The Weizmann Institute of Science, Rehovot, Israel	Analysis of the change of the protein stability during protein evolution by FOLDF program
	Haj, Fawaz George	Lebanese	EMBL Heidelberg, Germany	Harvard University, Boston, USA	Imaging the regulation of protein tyrosine phosphatase inactivation by reactive oxygen species
	Loh, Nellie	Malaysian	MDC, Berlin, Germany	University of Oxford, UK	Identification of genes causing renal stone disease by cDNA profiling

short-term fellowship awards 2005

	name	nationality	host laboratory	home laboratory	research interest
other nationalities <i>cont.</i>	Perez Rueda, Ernesto	Mexican	MRC Laboratory of Molecular Biology, Cambridge, UK	Institute of Biotechnology, Morelos, Mexico	Reconstruction of regulatory networks in archaeal genomes
	Arif, Anjuman	Pakistani	University of Valencia, Spain	NIBGE, Faisalabad, Pakistan	Expression analysis of a yeast salt tolerance gene CthSR1 in tobacco as plant model system
	Borisov, Vitaliy	Russian	University of Rome, Italy	Moscow State University, Russia	Studies on interaction of the bd-type terminal respiratory oxidase with nitric oxide by time-resolved spectroscopy and amperometry
	Koryakov, Dmitry E.	Russian	Martin Luther University Halle-Wittenberg, Halle, Germany	Novosibirsk State University, Russia	A role of the SuUR protein in processes of modifying of histone tails in <i>Drosophila</i> polytene chromosomes
	Kraus, Yulia	Russian	SICMMB, Bergen, Norway	Moscow State University, Russia	Functional analysis of snail, forkhead and brachyury and their role in regulating morphogenetic events during gastrulation of <i>Nematostella vectensis</i>
	Laletina, Elena	Russian	IGBMC, Illkirch, France	ICHBFM, Novosibirsk, Russia	Cryo-electron microscopy study of human ribosome complexes in the termination state of protein synthesis
	Malygin, Alexey	Russian	University of Leicester, UK	ICHBFM, Novosibirsk, Russia	CNBP – a novel splicing modulator?
	Penkov, Dmitry	Russian	San Raffaele Hospital, Milan, Italy	Belozersky Institute, Moscow, Russia	Role of Prep1 homeodomain protein in mouse T cell development
	Petukhov, Michael	Russian	EMBL Heidelberg, Germany	St. Petersburg Nuclear Physics Institute, St. Petersburg, Russia	Global sequence optimisation of protein alpha-helices
	Elliott, Edith	South African	EMBL Heidelberg, Germany	University of Natal, South Africa	Mechanisms for inducing maturation of the pathogenic mycobacterial phagosome
	Chudotvorova, Ilona	Ukrainian	Harvard University, Cambridge, USA	INMED-INSERM, Marseille, France	Effect of KCC2-overexpression on presynaptic vesicle cycling
	Gorbenko, Olena	Ukrainian	University College London, UK	Institute of Molecular Biology and Genetics, Kyiv, Ukraine	PTEN-AEBP1 interaction: A possible role in lipid metabolism and adipocyte differentiation
	Havrylov, Serhiy	Ukrainian	Cardiff School of Biosciences, UK	NIEB, Warsaw, Poland	Identification of binding partners for Ruk/CIN85 adaptor protein by mass spectrometry
	Ivakhno, Sergii	Ukrainian	Graz University of Technology, Graz, Austria	Institute of Molecular Biology and Genetics, Kyiv, Ukraine	Design and programming of microarray/LS-MS/MS integrative software
	Panasyuk, Ganna	Ukrainian	University College London, UK	National Academy of Sciences of Ukraine, Kyiv, Ukraine	Elucidation of the functional importance of CK2/S6K1 interaction

applications and awards 2000–2005

country from	applications	% of total	awards	% of total	success rate %
Austria	10	0.58	7	0.72	70
Belgium	36	2.08	23	2.36	64
Croatia	16	0.92	8	0.82	50
Czech Republic	41	2.37	22	2.25	54
Denmark	18	1.04	9	0.92	50
Finland	16	0.92	12	1.23	75
France	137	7.91	82	8.40	60
Germany	125	7.22	66	6.76	53
Greece	78	4.50	48	4.92	62
Hungary	41	2.37	26	2.66	63
Iceland	8	0.46	3	0.31	38
Ireland	14	0.81	10	1.02	71
Israel	80	4.62	57	5.84	71
Italy	267	15.42	139	14.24	52
Netherlands	45	2.60	29	2.97	64
Norway	8	0.46	5	0.51	63
Poland	70	4.04	31	3.18	44
Portugal	30	1.73	19	1.95	63
Slovenia	20	1.15	11	1.13	55
Spain	266	15.36	152	15.57	57
Sweden	25	1.44	16	1.64	64
Switzerland	23	1.33	10	1.02	43
Turkey	35	2.02	12	1.23	34
United Kingdom	66	3.81	43	4.41	65
Eastern Europe	158	9.12	72	7.38	46
Others	99	5.72	64	6.56	65
total	1732	100	976	100	56

applications and awards 1977 – 2005

year	applications	awards	success rate %
2005	384	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
1979	344	243	71
1978	349	244	70
1977	294	213	72

applications

to	from	Austria	Belgium	Croatia	Czech Rep.	Denmark	Finland	France	Germany	Greece	Hungary	Iceland	Ireland	Israel	Italy	Netherlands	Norway	Poland	Portugal	Slovenia	Spain	Sweden	Switzerland	Turkey	UK	Eastern Europe	Others	total
Austria						1	1		1						1			1							1		7	
Belgium								2							1	1					1				3		8	
Croatia																											0	
Czech Rep.														1									1				2	
Denmark					1										1			1									3	
Finland									1																		1	
France					1	1		1	5	2				2	10	2	1	3			4			1	1	4	4	42
Germany			1	2	1	1	2	2	1	2	3			1	9	2		3			9	1	1		2	6	4	53
Greece																											0	
Hungary															1	1									1		3	
Iceland																											0	
Ireland																											0	
Israel								1	1									1									3	
Italy									2	1	1			1		1		5			4				1	3	2	21
Netherlands					1		1	1	1	2	1			1	4			1	1		5		1	1	4	2	1	28
Norway			1																		2	1			1	1	6	
Poland								1																			1	
Portugal									1																		1	
Slovenia																											0	
Spain						1		2					2	2				1					1			2	11	
Sweden			1		1			1		1					3			1		1					2	2	12	
Switzerland			1			1	1	1					1	3	3			1			1				2	2	2	19
Turkey																											0	
UK			2		2	1		6	6	5	2		1	2	14	4		2	3		16			3	10	6	85	
EMBL								1		2				2	2					1	1	1	1		1	2	3	17
Eastern Europe																											0	
Others		2	1	1	1		5	5	1					6	10	4		1			11	1	3		8		60	
total		2	7	3	8	3	6	23	26	17	7	2	3	21	59	15	1	21	5	2	55	4	6	6	21	36	24	383

short-term fellowships 2005: geographical distribution

awards

to	from	Austria	Belgium	Croatia	Czech Rep.	Denmark	Finland	France	Germany	Greece	Hungary	Iceland	Ireland	Israel	Italy	Netherlands	Norway	Poland	Portugal	Slovenia	Spain	Sweden	Switzerland	Turkey	UK	Eastern Europe	Others	total
Austria							1			1								1							1		4	
Belgium								1								1					1							3
Croatia																												0
Czech Rep.																												0
Denmark					1										1													2
Finland									1																			1
France								2	1					2	4		1	2			1					1	2	16
Germany		1	1	1	1	2	2	2	1		2			1	3	2		1			4	1			2	1	3	29
Greece																												0
Hungary															1	1												2
Iceland																												0
Ireland																												0
Israel																												0
Italy									2		1			1		1		1			2				1	2		11
Netherlands						1	1	1	1					1	2			1	1		2		1			1		13
Norway																									1	1		2
Poland																												0
Portugal									1																			1
Slovenia																												0
Spain													2	2									1				2	7
Sweden					1			1							1			1		1								5
Switzerland		1						1						1	2						1				1	1		8
Turkey																												0
UK		2		1			4	2	3	1			1	1	7	2		1	3		7			3		4	4	46
EMBL							1		1					2	1				1	1	1	1			1	1	2	13
Eastern Europe																												0
Others		1					4	3	1					6	5	2		1			7	1	1		6			38
total		0	5	1	4	1	4	15	13	8	4	0	3	17	27	9	1	9	5	2	26	3	3	3	12	11	15	201

EMBO Young Investigators selected in 2005

name	nationality	institute	research interest
Bellaiche, Yohanns	French	Curie Institute, Paris, France	Cell polarisation in <i>Drosophila</i>
Boutros, Michael	German	DKFZ, Heidelberg, Germany	Genetics of signalling pathways
Chin, Jason	British	MRC-LMB, Cambridge, UK	Orthogonal translation
Chiti, Fabrizio	Italian	University of Florence, Italy	Protein structure in amyloid disease
Clausen, Tim	German	IMP, Vienna, Austria	Protein quality control
Del Pozo, Miguel A.	Spanish	CNIC, Madrid, Spain	Integrin signalling in cell migration and growth
Dutzler, Raimund	Austrian	University of Zurich, Switzerland	Transmembrane ion transport
Einsle, Oliver	German	George August University, Göttingen, Germany	Protein systems in nitrogen and iron metabolism
Kaessmann, Henrik	German/Swedish	University of Lausanne, Switzerland	Evolution of the human genome
Köhler, Claudia	German	University of Zurich, Switzerland	Reproductive development in plants
Längst, Gernot	German	Adolf Butenandt Institute, Munich, Germany	Chromatin dynamics
Lohmann, Jan	German	MPI, Tübingen, Germany	Stem cell fate in plants
Oldroyd, Giles	British	John Innes Centre, Norwich, United Kingdom	Signalling in symbiosis
Palmer, Ruth	British	Umea University, Sweden	Receptor Tyrosine Kinase signalling pathways
Peeper, Daniel	Dutch	NKI, Amsterdam, The Netherlands	Cellular protection against oncogenic transformation
Pilpel, Yitzhak	Israeli	Weizmann Institute of Science, Rehovot, Israel	Gene expression regulation
Strick, Terence	American	Monod Institute, Paris, France	Single-molecule analysis of protein/DNA interactions

EMBO/HHMI Startup Grant Recipients 2005

name	nationality	institute	research interest
Káldi, Krisztina	Hungarian	Semmelweis University, Budapest, Hungary	Regulation of circadian rhythms
Kovacs, Mihály	Hungarian	Eötvös Lorand University, Budapest, Hungary	Diversity of molecular motor mechanisms
Krejci, Lumir	Czech	Masaryk University, Brno, Czech Republic	DNA repair and recombination
Loog, Mart	Estonian	University of Tartu, Estonia	Signalling networks in the cell cycle
Stefl, Richard	Czech	Masaryk University, Brno, Czech Republic	Protein-RNA complexes
Welker, Ervin	Hungarian	Biological Research Center, Szeged, Hungary	Conformational transition of prions

EMBO young investigators selected 2000–2004

A Adams, Ralf	Cramer, Patrick	Konieczny, Igor	Nichols, Benjamin	Spang, Anne
Agami, Reuven	Currie, Peter	Kunji, Edmund	Nissen, Poul	Stock, Daniela
Allain, Frederic	D Davis, Daniel	L Labib, Karim	Noselli, Stephane	Sträßer, Katja
Alon, Uri	de Gier, Jan-Willem	Lappalainen, Pekka	O Otzen, Daniel	Stumpf, Michael
Antonny, Bruno	Delledonne, Massimo	Lecuit, Thomas	Owen, David	Suomalainen-Wartiovaara, Anu
Arber, Silvia	Dessen, Andrea	Lemaitre, Bruno	Owen-Hughes, Tom	Szabò, Ildikò
Arkowitz, Robert	Dickson, Barry	Levashina, Elena A.	Palková, Zdena	T Tamagnone, Luca
Arribas, Joaquin	Dominguez, Maria	Leys, David	P Pellizzoni, Livio	Tanaka, Tomoyuki
Ashe, Hilary	Donaldson, Anne	Logan, Malcolm	Peracchi, Alessio	Tavernarakis, Nektarios
Averof, Michalis	E Elena, Santiago	Löwe, Jan	Perrakis, Anastassis	Teichmann, Sarah
B Barkai, Naama	F Fankhauser, Christian	Lygerou, Zoi	Peters, Jan-Michael	Telford, Maximilian
Barr, Francis	Fernandez-Chacon, Rafael	M Malnasi Csizmadia, Andras	Philpott, Dana	Therond, Pascal
Barral, Yves	Friml, Jiri	Mansuy, Isabelle	Pierre, Philippe	Trouche, Didier
Batista, Facundo	G Glotzer, Michael	Manzanares, Miguel	Poirazi, Panayiota	Trumpp, Andreas
Baum, Buzz	Gönczy, Pierre	Marin, Oscar	Posas, Francesc	Tuschl, Thomas
Behrens, Axel	Gonzalez-Reyes, Acaimo	Martin-Bermudo, Maria Dolores	R Radtke, Freddy	U Uhlmann, Frank
Beja, Oded	H Hajnal, Alex	Mattevi, Andrea	Reich, Ziv	Ulrich, Helle
Berger, Frederic	Hassan, Bassem	Mehlen, Patrick	Robinson, Robert	Ungermann, Christian
Bertolotti, Anne	Haucke, Volker	Meier, Pascal	Rodriguez, Ivan	V van Aalten, Daan
Bertrand, Edouard	Helariutta, Ykä	Mitchell, Kevin	S Salecker, Iris	Van den Ackerveken, Guido
Blazquez, Miguel	Helms, Volkhard	Moller, Simon Geir	Santos, Manuel	van der Goot, Gisou
Bochtler, Matthias	Hidalgo, Alicia	Mosialos, George	Saudou, Frédéric	van Steensel, Bas
Briscoe, James	Hirst, Judy	Mota, Maria	Schärer, Orlando D.	Vinkemeier, Uwe
Bujnicki, Janusz	Holstege, Frank	Musacchio, Andrea	Schedl, Andreas	Voinnet, Olivier
C Casares, Fernando	Hopfner, Karl-Peter	N Nagy, Laszlo	Schleper, Christa	W Wimmer, Ernst A.
Christoforidis, Savvas	J Jansen, Ralf	Nehrbass, Ulf	Schlötterer, Christian	Wutz, Anton
Collinson, Ian	Jensen, Torben Heick	Neuhauss, Stephan	Schneitz, Kay	Z Zeeman, Samuel
Conradt, Barbara	K Khakh, Baljit		Schwappach, Blanche	Zernicka-Goetz, Magdalena
Cosma, Maria Pia	Knoblich, Jürgen		Spahn, Christian	

applications and awards
2000–2005

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

	average	general statistics for all young investigators selected 2000–2005
age	34.7	
post-doctoral years	5.0	
total number of publications	20.3	
last-author publications	3.1	
first-author publications	9.2	

	no.	% of total	pre- and/or post-doctorate spent in USA
USA	104	65.0	

	no.	% of total	post-doctoral fellowships received from international agencies
EMBO	48	31.0	
HFSP	34	21.4	
EU TMR	19	12.0	

young investigator lectures 2005	Zoi Lygerou	5th ISREC Conference: Cell and Molecular Biology of Cancer	CH–Lausanne	18–22 January
	Santiago Elena	10th Workshop of Plant Virology	FR–Aussois	6–10 March
	Karim Labib	ICGEB 2005 Workshop: Chromosome duplication and segregation	IT–Triest	2–5 May
	Bas van Steensel	Alan Wolfe EMBO Conference “Chromatin and Epigenetics”	DE–Heidelberg (EMBL)	19–22 May
	Nektarios Tavernarakis	25th Blankanese Conference: Signalling in Sensory Systems	DE–Hamburg	21–25 May
	Olivier Voinnet	Post-Transcriptional Regulation of Plant Gene Expression (PTROPGE)	US–Austin	8–12 June
	Janusz Bujnicki	30th FEBS Congress and 9th IUBMB Conference, The Protein World	HU–Budapest	2–8 July
	Stephane Noselli	30th FEBS Congress and 9th IUBMB Conference, The Protein World	HU–Budapest	2–8 July
	Isabelle Mansuy	30th FEBS Congress and 9th IUBMB Conference, The Protein World	HU–Budapest	2–8 July
	Frédéric Saudou	Gordon Research Conference: Motile and Contractile Systems	US–New London	10–15 July
	Mansuy, Isabelle	Europhosphatases 2005: The Biology of Phosphatases	UK–Cambridge	10–14 July
	Massimo Delledonne	Nitric Oxide Signalling: Plant Growth and Development (Annual Meeting of the Society for Experimental Biology)	ES–Barcelona	14–15 July
	Bruno Antony	BioScience 2005: From genes to systems	UK–Glasgow	17–21 July
	Buzz Baum	BioScience 2005: From genes to systems	UK–Glasgow	17–21 July
	Volker Haucke	BioScience 2005: From genes to systems	UK–Glasgow	17–21 July

**young investigator
lectures 2005**
cont.

Janusz Bujnicki	MCCMB'05: 2nd Moscow Conference on Computational Molecular Biology	RU–Moscow	18–21 July
Olivier Voinnet	EMBO Workshop: Mechanisms and Regulation of mRNA Turnover	CH–Arolla	28 August– 1 September
Helle Ulrich	9th International Conference on Environmental Mutagens	US–San Francisco	3–8 September
Anne Spang	ELSO 2005	DE–Dresden	4–6 September
Torben Heick Jensen	ELSO 2005	DE–Dresden	4–6 September
Edouard Bertrand	ELSO 2005	DE–Dresden	4–6 September
Maria Pia Cosma	ELSO 2005	DE–Dresden	4–6 September
Facundo Batista	ELSO 2005	DE–Dresden	4–6 September
Pascal Meier	30th European Symposium on Hormones & Cell Regulation: Cell Death & Disease	FR–Mont Sainte Odile	15–18 September
Benjamin Nichols	ESF Research Conference: Membrane Dynamics in Endocytosis	ES–San Feliu de Guixols	17–22 September
Daniel Davis	NK Hawaii: Natural killer cells and innate immunity	US–Hawaii	4–8 November
Andreas Trumpp	EMBO Conference: International Workshop on Cancer Stem Cells	IT–Milan	10–12 November
Manuel Santos	ESF-EMBO Symposium: Comparative Genomics of Eukaryotic Microorganisms	ES–San Feliu de Guixols	12–17 November
Janusz Bujnicki	21st tRNA workshop	IN–Bangalore	2–7 December
Anne Spang	45th Annual Meeting of the American Society for Cell Biology	US–San Francisco	10–14 December

practical courses 2005 Europe (EMBC)	Functional genomics: Making sense out of transcriptomes	P. Ricciardi-Castagnoli <i>et al.</i>	IT – Milan	14 – 19 February
	From mice to cells	L. Minichiello <i>et al.</i>	IT – Monterotondo (EMBL)	13 – 20 March
	Optical techniques for cell physiology and developmental biology	W.B. Amos <i>et al.</i>	UK – Plymouth	30 March – 9 April
	Analysis and informatics of microarray data	A. Brazma <i>et al.</i>	UK – Hinxton (EMBL-EBI)	4 – 9 April
	Quantification of gene expression by real-time qRT-PCR	V. Benes <i>et al.</i>	DE – Heidelberg (EMBL)	28 May – 2 June
	Light microscopy in living cells	N. Moreno G. Cox	PT – Oeiras	9 – 17 June
	Microinjection and detection of probes in cells	R. Pepperkok <i>et al.</i>	DE – Heidelberg (EMBL)	13 – 19 June
	Exploiting anomalous scattering in macromolecular structure determination (Joint ESRF/EMBL/EMBO Course)	W. Shepard <i>et al.</i>	FR – Grenoble (EMBL)	15 – 21 June
	BioXAS on metalloproteins and organism tissue	W. Meyer-Klaucke S. Mangani	DE – Hamburg (EMBL)	14 – 19 June
	Advanced techniques in molecular medicine (Joint EU/EMBO Course)	U. Landegren <i>et al.</i>	SE – Uppsala	15 – 22 June
	Microarray technology: From production to systems biology	C. Schwager <i>et al.</i>	DE – Heidelberg (EMBL)	20 – 25 June
	Electron microscopy and stereology in cell biology	J. Nebesarova <i>et al.</i>	CZ – Ceske Budejovice	21 – 30 June
	High-throughput methods for protein production and crystallisation	C. Cambillau <i>et al.</i>	FR – Marseille	4 – 13 July
	Enhancer detection, gene trapping and TILLING in zebrafish	T. Becker <i>et al.</i>	NO – Bergen	1 – 11 August
SNP genotyping and haploblock analysis	L. Peltonen <i>et al.</i>	FI – Helsinki	21 – 27 August	

practical courses 2005 Europe (EMBC) <i>cont.</i>	Methods in cell biology: From single molecule to complex systems analysis	D. Brunner T. Surrey	DE–Heidelberg (EMBL)	22 August – 2 September
	Image processing for cryo-electron microscopy	E. Orlova H. Saibil	UK–London	4–14 September
	Endocytosis and signalling during development	M. Gonzalez <i>et al.</i>	DE–Dresden	4–15 September
	Structure determination of biological macromolecules by solution NMR (Joint Biozentrum/EMBO Course)	S. Grzesiek <i>et al.</i>	CH–Basel	7–14 September
	Combination of electron microscopy and X-ray crystallography in structure determination	J. Navaza <i>et al.</i>	FR–Gif-sur-Yvette	23–28 October
practical courses 2005 outside Europe	RNAi and reverse genetics in trypanosomes (Joint TDR/EMBO Course)	C. Clayton <i>et al.</i>	GH–Accra	10–21 January
	Advanced optical methods in cell and developmental biology (Joint BMRC/EMBO Course)	S. Ahmed E. Stelzer <i>et al.</i>	SG–Singapore	17–28 January
	Structural and evolutionary genomics. Genome and RNA: Expression and functions (Joint ICRO/UNESCO/EMBO Course)	G. Bernardi <i>et al.</i>	CR–San Jose	26 February – 2 March
	Bioinformatics and genome data analysis (Joint Pasteur Institut/ICGEB/ ICRO/ UNESCO/IUBMB/EMBO Course)	H. Ayadi A. Rebai F. Tekaia	TN–Sfax	24 March – 2 April
	Malaria functional genomics (Joint TDR/HHMI/EMBO Course)	B. Crabb <i>et al.</i>	IN–New Delhi	9–21 October
	Genomics, proteomics and bioinformatics (Joint ICRO/UNESCO/EMBO Course)	J.E. Allende <i>et al.</i>	CL–Santiago	11–23 October
	Calcium signalling, with special attention to cell motility and the cytoskeleton (Joint ICRO/UNESCO/EMBO Course)	J.R. Sotelo <i>et al.</i>	UY–Montevideo	16–29 October

practical courses 2005 outside Europe <i>cont.</i>	Functional microscopy of host pathogen interactions	G. Griffiths <i>et al.</i>	ZA–Cape Town	18–30 November
	Microarray technology: Production and applications	L.M. Teran <i>et al.</i>	MX–Mexico DF	20–26 November
lectures courses 2005 Europe (EMBC)	Channels and transporters	L. DeFelice B. Kanner	IT–Erice, Sicily	31 May – 6 June
	Cellular and molecular biology of membranes (Joint FEBS/EMBO Course)	A.P. Pugsley <i>et al.</i>	FR–Cargèse, Corsica	20 June – 1 July
	Molecular mechanisms in signal transduction and cancer (Joint FEBS/EMBO Course)	J.L. Bos <i>et al.</i>	GR–Spetses	15–26 August
	Protein misfolding, protein modification and age-related diseases (Joint FEBS/EMBO Course)	A. Fersht <i>et al.</i>	GR–Spetses	5–15 September
	Mouse models for human disease	J. Auwerx P. Chambon <i>et al.</i>	FR–Bischoffsheim	17–23 September
workshops 2005 Europe (EMBC)	The road ahead: Future directions in fundamental and clinical immunology	E. Vivier <i>et al.</i>	FR–Marseille	13–15 January
	Meiotic divisions and checkpoints	C. Jessus <i>et al.</i>	FR–Cargèse, Corsica	16–20 March
	mRNA 3' Ends: Interconnections with transcription, translation and mRNA turnover	N.J. Proudfoot J.L. Manley	UK–Oxford	17–19 March
	Structural basis of papovavirus biology	P. Amati <i>et al.</i>	IT–Siena	11–16 April
	Notch signalling in development and cancer	I. Screpanti <i>et al.</i>	IT–Rome	21–24 April

workshops 2005 Europe (EMBC) <i>cont.</i>	RNA control of neuronal function	J. Yisraeli <i>et al.</i>	IL–Kfar Blum, Upper Galilee	22–26 May
	Plant stem cells: Independent inventions and conserved mechanisms (Joint Juan March/EMBO Workshop)	C. Gutiérrez <i>et al.</i>	ES–Madrid	23–25 May
	Invasive growth: A genetic program for stem cells, cancer and cancer stem cells	P.M. Comoglio <i>et al.</i>	IT–Candiolo (Torino)	26–29 May
	Biology of molecular chaperones. Heat shock proteins in molecular medicine: Misfolding diseases and cancer (Joint FEBS/EMBO Workshop)	M. Żylicz F.U. Hartl	PL–Zakopane	28 May – 2 June
	Molecular and population biology of mosquitoes and other disease vectors	K. Louis <i>et al.</i>	GR–Kolymbari, Crete	24–31 July
	Regulation of mRNA turnover	C. Moroni <i>et al.</i>	CH–Arolla	28 August – 1 September
	Chromosome dynamics and recombination in meiosis	J.L. Santos <i>et al.</i>	ES–Madrid	13–18 September
	Membrane dynamics in endocytosis (Joint FEBS/ESF/EMBO Workshop)	M.S. Robinson H. Riezman	ES–San Feliu de Guixols	17–22 September
	Cytoskeletal molecular motors (Joint 61st Harden conference/ EMBO Workshop)	J. Kendrick Jones R. Cross F. Buss	UK–Cambridge	18–22 September
	The molecular and cellular mechanisms underlying skeletal muscle formation and repair (Joint FEBS/EMBO Workshop)	M. Buckingham J. Melki L. Schaeffer	FR–Fontevraud	24–29 September
	Centrosomes and spindle pole bodies	M. Knop <i>et al.</i>	DE–Heidelberg (EMBL)	23–27 September
The assembly and function of neuronal circuits	P. Caroni <i>et al.</i>	CH–Ascona	25–30 September	

workshops 2005 Europe (EMBC) <i>cont.</i>	Chromosome structural elements: From DNA sequence to function	F. Ascenzioni <i>et al.</i>	IT–Rome	29 September – 3 October
	Frontiers of molecular biology (EMBO Members Workshop)	M. Żylicz <i>et al.</i>	PL–Warsaw	14–18 October
	Principles of self-organisation in living matter	P. Bastiaens <i>et al.</i>	DE–Heidelberg (EMBL)	4–7 November
workshops 2005 outside Europe	Innate immunity in the lung (Joint Novartis Foundation/Medical Research Council/EMBO Workshop)	S. Gordon G. Brown	ZA–Cape Town	30 November – 2 December
	Molecular physiology of intracellular calcium signalling	R. Padinjat <i>et al.</i>	IN–Coorg	30 November – 4 December
	Upstream and downstream of Hox genes	R.K. Mishra F. Karch	IN–Hyderabad	14–17 December
conferences 2005 Europe (EMBC)	Chromatin and epigenetics. Alan Wolffe EMBO Conference (Joint EU/EMBO Conference)	G. Almouzni <i>et al.</i>	DE–Heidelberg (EMBL)	19–22 May
	Helicases and NTP-driven nucleic acid machines: structure, function and roles in human disease (Joint SNSF/EMBO Conference)	P. Linder S. Kowalczykowski	CH–Arolla	5–10 July
	The biology of phosphatases	D. Alexander <i>et al.</i>	UK–Cambridge	10–14 July
	Ciliate molecular biology (Joint FASEB/EMBO Conference)	T. Clark C. Miceli J. van Houten	IT–Il Ciocco, Lucca	3–8 August
	PSEUDOMONAS 2005: A multidisciplinary exploration of current <i>Pseudomonas</i> research (Joint FEMS/EMBO Conference)	A. Filloux <i>et al.</i>	FR–Marseille	27–31 August
	Protein synthesis and translational control	M. Hentze <i>et al.</i>	DE–Heidelberg (EMBL)	13–18 September

conferences 2005 Europe (EMBC) <i>cont.</i>	Nuclear structure and dynamics	G. Cavalli <i>et al.</i>	FR–La Grande Motte	24–28 September
	Nuclear receptors: From chromatin to disease	J. Schwabe <i>et al.</i>	IT–Lake Garda	29 September – 1 October
joint EMBO/ESF symposia 2005	Three-dimensional sensory and motor space: Probabilistic mechanisms of learning and development in sensorimotor systems	D. Wolpert <i>et al.</i>	ES–San Feliu de Guixols	8–13 October
	Probing the molecular basis of protein function through chemistry: Scope of chemical protein synthesis	M. Engelhard <i>et al.</i>	ES–San Feliu de Guixols	29 October – 3 November
	Comparative genomics of eukaryotic microorganisms: Eukaryotic genome evolution, approaches with yeasts and fungi	J.-L. Souciet <i>et al.</i>	ES–San Feliu de Guixols	12–17 November

plenary lectures 2005 Europe (EMBC)	Philip Cohen	The Annual Membership Meeting of the Norwegian Biochemistry Society 2005	NO–Tromø	13–16 January
	Denis Duboule	British Society for Developmental Biology/ British Society for Cell Biology Spring Symposium	UK–Warwick	6–9 April
	Matthias Hentze	First Congress of the International Biolron Society (IBIS)	CZ–Prague	22–27 May
	Fotis Kafatos	From Gene to Genome: Heredity and Society	FR–La Grande Motte	26–28 May
	Howy Jacobs	International Conference on Plant Mitochondrial Biology	FR–Obernai	28 May–2 June
	Maciej Żylicz	ESHO Symposium	AT–Graz	8–11 June
	Raymond Dwek	FEBS-IUBMB Satellite Meeting Protein Folding and Transport in Health and in Disease	RO–Bucharest	28 June–2 July
	Maria Carmo-Fonseca	2005 FEBS-IUBMB Congress: The Protein World	HU–Budapest	2–7 July
	Matthias Mann	BioScience 2005: From Genes to Systems	UK–Glasgow	17–21 July
	David Baulcombe	XVII International Botanical Congress	AT–Vienna	17–23 July
	Nikolaus Pfanner	XXII International Conference on Yeast Genetics and Molecular Biology	SK–Bratislava	7–12 August
	Moshe Oren	3rd International MDM 2 Workshop	DE–Konstanz	9–12 September
	Tom Blundell	MGMS International Meeting 2005 Biomolecular Simulations: From prediction to practice	IE–Dublin	11–14 September
	Peter Cresswell	International Meeting on the Molecular Biology of Hepatitis B Viruses	DE–Heidelberg	18–21 September
	Anthony Hyman	7th FISV Meeting	IT–Riva del Garda	22–25 September
	John Gurdon	Stem Cells in Basic and Medical Research	DK–Fyn	24–26 October
Ron Laskey	7th International EMBL PhD Symposium Biology at Work	DE–Heidelberg	1–3 December	

plenary lectures 2005 outside Europe	David Baltimore	3rd Annual Africa Genome Initiative Conference A Time to Heal: The science of and investments in cracking Africa's killer diseases	KE–Nairobi	25–28 March
	Alan Hall	The Hunter Cellular Biology Meeting	AU–Hunter Valley	6–8 April
	Jules Hoffmann	Gordon Research Conference: Molecular Mechanisms of Microbial Adhesion and Signalling	US–Rhode Island	7–12 August
	Steve Cohen	International Society of Biologists 15th Congress: From egg to adult – constructing the complexity of life	AU–Sydney	3–7 September
	Gerd Jürgens	Buenos Aires Plant Biology Lectures, Series 2005	AR–Buenos Aires	24–26 October
	Anthony Hyman	8th A-IMBN conference	VN–Ho Chi Minh City	27–29 October
	Jean Marc Egly	XX Annual meeting of the Argentine Society for Neurochemistry and the X Congress of the Panamerican Association of Biochemistry and Molecular Biology	AR–Buenos Aires	3–6 December
	Jens Stougaard	XII International Congress on Molecular Plant Microbe Interactions	MX–Cancun	14–18 December

participation of women in EMBO activities

EMBO membership		EMBO members	% women
2001		1092	12.9
2002		1126	13.1
2003		1162	13.3
2004		1191	13.7
2005		1223	13.8
EMBO courses & 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

participation of women in EMBO activities: statistics

EMBO long-term fellowships		applications	awards	% 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
	total	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
	total	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
	total	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
	total	1236	198	16.0
1996–2005	female applicants	3852 (42.4%)	633 (37.3%)	16.4
	male applicants	5087 (57.6%)	1063 (62.7%)	20.9
	total	8939	1696	19.0

EMBO | participation of women in EMBO activities: statistics

EMBO short-term fellowships		applications	awards	% success rate
2001	female applicants	130 (55.7%)	70 (56.4%)	53.8
	male applicants	103 (44.2%)	54 (43.5%)	52.4
	total	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
	total	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
	total	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
	total	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
	total	383	200	52.2
2001–2005	female applicants	768 (52.8%)	395 (50.6%)	51.4
	male applicants	685 (47.1%)	386 (49.4%)	56.4
	total	1453	781	53.8

participation of women in EMBO activities: statistics

EMBO young investigators		applications	awards	% success rate
2000–2001	female applicants	138 (24.4%)	17 (21.8%)	12.3
	male applicants	427 (75.6%)	61 (78.2%)	14.3
	total	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
	total	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
	total	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
	total	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
	total	128	17	13.3
2000–2005	female applicants	300 (25.1%)	34 (21.4%)	11.3
	male applicants	896 (74.9%)	125 (78.6%)	14.0
	total	1196	159	13.3



Eilish Craddock (left),
personal secretary to Frank Gannon
and **Agnès Visser-de Matteis**
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Gitta Bourke
is the administrator for EMBC,
located in the EMBO building.

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practical courses 2006 Europe (EMBC)	Chromatin immunoprecipitation	G. Reid, R. Metivier S. Denger, F. Gannon	DE–Heidelberg	27 February – 4 March
	Comparative genomics and SNP analysis using the Ensembl Genome Browser	L. Mullan	ES–Valencia	19–21 April
	Statistical methods for the identification of genes under natural selection	C. Schlotterer <i>et al.</i>	FI–Helsinki	15–19 May
	Structural characterisation of macromolecular complexes	C.W. Müller <i>et al.</i>	FR–Grenoble	15–20 May
	Molecular genetics with the fission yeast <i>Schizosaccharomyces pombe</i>	O. Nielsen	DK–Copenhagen	11–21 June
	Advanced techniques in molecular medicine	U. Landegren	SE–Uppsala	13–20 June
	Quantification of gene expression by qPCR	V. Benes	DE–Heidelberg	17–23 June
	Plant cell biology	A.M. Emons	NL–Wageningen	18–24 June
	The application of transient kinetics methods to biological macromolecules	M.A. Geeves	UK–Canterbury	18–24 June
	Electron microscopy and stereology in cell biology (Joint FEBS/EMBO Course)	N. Roos <i>et al.</i>	NO–Oslo	20–29 June
	Advanced analysis and informatics of microarray data	A. Brazma	UK–Hinxton	25 June – 1 July
	Microinjection and detection of probes in living cells	R. Pepperkok	DE–Heidelberg	25 June – 1 July
	Biomolecular simulation	M. Nilges	FR–Paris	28 June – 5 July
	Flow cytometry and cell sorting	A. Radbruch	DE–Berlin	16–21 July
	Cryo-electron microscopy and 3-D image analysis	B. Böttcher	DE–Heidelberg	13–22 August
Genome, transcriptome and miRNome analysis of single cells	A. Bosio	DE–Cologne	27 August – 1 September	

practical courses 2006 Europe (EMBC) <i>cont.</i>	Multidimensional NMR in structural biology	C. Griesinger	IT–Il Ciocco	27 August – 1 September
	Development and evolution of animals and plants	C. Nüsslein-Volhard <i>et al.</i>	DE–Tübingen	28 August – 8 September
	Protein expression, purification and crystallisation (PEPC5)	P.A. Tucker	DE–Hamburg	28 August – 5 September
	Working with stem cells	P. Andrews	UK–Sheffield	30 August – 6 September
	Ubiquitin and SUMO	I. Dikic	HR–Split	5–11 September
	Anatomy and embryology of the mouse	A. Marusic	HR–Zagreb	9–17 September
	Molecular approaches to evolution and development in co-operation with ZONET (Marie Curie Research Training Network)	D. Arendt <i>et al.</i>	IT–Naples	11–22 September
	Bioinformatics for mass spectrometry in proteomics	P.A. Binz P. Palagi M.C. Blatter	CH–Geneva	18–22 September
	Molecular genetics of <i>Chlamydomonas</i>	J.D. Rochaix <i>et al.</i>	CH–Geneva	18–29 September
	Multi-photon imaging of living cells and tissues	A. Konnerth	DE–Munich	22–28 October
Solution scattering from biological macromolecules	D. Svergun	DE–Hamburg	October	
practical courses 2006 outside Europe	Advanced methods in reconstructing molecular phylogenetic relationships	T.M. Embley	BR–Rio de Janeiro	13–19 March
	Proteins as cellular nanomachines: Molecular motors, channels & pumps (III. International Symposium on Myosin V)	L.C. Cameron	BR–Rio de Janeiro	8–19 May
	PROTEINS: Structure, dynamics and energetics	F. Gräter	CN–Shanghai	10–17 May

practical courses 2006 outside Europe <i>cont.</i>	Advances in technologies for high resolution <i>in vivo</i> microscopy: From single molecule detection to functional studies	T.M. Jovin	AR–Buenos Aires	6–18 August
	Genetic manipulation and RNA interference in African trypanosomes (Joint WHO-TDR/EMBO Course)	C. Clayton <i>et al.</i>	KE–Nairobi	27 November – 16 December
lecture courses 2006 Europe (EMBC)	Molecular and cellular cognition	R. Brambilla	IT–Venice	1–6 July
	Molecular mechanisms of development	I. Kramer <i>et al.</i>	ES–Barcelona	2–7 July
	Molecular basis of bacterial virulence and survival within infected hosts and in the environment (Joint FEBS/FEMS/EMBO Course)	P. Cossart <i>et al.</i>	GR–Spetses	5–15 September
	Fundamentals of modern methods of biocrystallography (Joint FEBS/EMBO Course)	M.A. Carrondo	PT–Oeiras	6–13 October
workshops 2006 Europe (EMBC)	Innate danger signals and HMGB1	M. Bianchi <i>et al.</i>	IT–Milan	8–11 February
	Transcriptional regulation in health and disease	J. Weitzman <i>et al.</i>	FR–Paris	6–8 March
	Homeodomain proteins, haematopoietic development and leukaemias (Joint SEMM/EMBO Workshop)	F. Blasi <i>et al.</i>	IT–Riva del Garda	23–25 March
	Structure, mechanism of formation and cellular effects of amyloid aggregates (Joint FEBS/EMBO Workshop)	F. Chiti <i>et al.</i>	IT–Florence	25–28 March
	The nucleolus: New perspectives	J.A. Hiscox <i>et al.</i>	UK–York	28–29 March

workshops 2006 Europe (EMBC) <i>cont.</i>	NO: A radical in control. The biological diversity of nitric oxide metabolism and signalling (Joint 62nd Harden Conference/ EMBO Workshop)	V. O'Donnell <i>et al.</i>	UK – Cirencester	4–8 April
	Redox signalling in human disease and ageing	T. Galeotti <i>et al.</i>	IT – Rome	20–23 April
	Functional organisation of the cell nucleus	I. Raska <i>et al.</i>	CZ – Prague	5–8 May
	Signals and mechanics in directed cell migration	P. Rørth	DE – Heidelberg	18–20 May
	Evolutionary biology of <i>Caenorhabditis elegans</i> and closely related species	H. Teotónio	PT – Oeiras	23–27 May
	Principles of self-organisation in living matter	P. Bastiaens E. Karsenti	DE – Heidelberg	2–5 June
	Cell membrane organisation and dynamics	K. Simons <i>et al.</i>	ES – Bilbao	3–7 June
	Plant virology 2006: Suppression and circumvention of host defence by plant viruses	J. Valkonen	FI – Haikko	1–5 July
	The genomics of development	D. Duboule <i>et al.</i>	CH – Arolla	21–26 August
	Cell cycle and cytoskeletal elements in bacteria	A. Løbner-Olesen <i>et al.</i>	DK – Copenhagen	23–27 August
	Stemness: The bright and the dark side. Normal and cancer stem cells	G. Morrone	IT – Catanzaro	20–22 September
	Spatial and temporal regulation of signalling (Joint FEBS/EMBO Workshop)	K. Tasken	NO – Oslo	21–24 September
Hedgehog-Gli signalling in cancer and stem cells	A. Gulino	IT – Rome	30 September – 4 October	

workshops 2006 Europe (EMBC) <i>cont.</i>	Systems biology meets chromatin function	D.A. Jackson	AT–Gosau	12–15 October
	Frontiers of molecular biology (EMBO Members Workshop)	P. Ingham	UK–Sheffield	13–16 October
	Cell migration, tissue invasion and disease	M.P. Stoppelli	IT–Capri	14–17 October
	Programming pancreatic β -cells (Joint FEBS/EMBO Workshop)	J. Ferrer F.X. Real P. Herrera	ES–El Perello, Tarragona	18–22 October
	Systems dynamics of intracellular communication – overcoming distance in signalling networks (Joint FEBS/EMBO Workshop)	M. Fainzilber	IL–Ein Gedi	29 October – 2 November
conference series 2006 Europe (EMBC)	Oncogenes and growth control	S. Cohen P. Rørth	DE–Heidelberg	26–30 April
	Recombination mechanisms and the maintenance of genome stability	S. West	FR–Seillac	15–19 May
	Molecular and developmental biology of <i>Drosophila</i>	T. Kaufman <i>et al.</i>	GR–Kolymbari, Crete	18–24 June
	The molecular and cellular basis of regeneration and tissue repair	B. Galliot <i>et al.</i>	CH–Ascona	10–15 September
	Macromolecular complexes in microbial pathogenesis, membrane trafficking & cell signalling	H. Stenmark <i>et al.</i>	ES–San Feliu de Guixols	23–28 September
	Protein transport systems: Protein targeting and translocation	J. Soll	PL–Gdansk	30 September – 5 October
	The pathology of pre mRNA splicing: Diagnostic and mechanistic aspects	F.E. Baralle	IT–Cortina d’Ampezzo	14–17 January 2007

conferences 2006 Europe (EMBC)	Common molecular mechanisms of mammary gland development and breast cancer progression (Joint HBR/COST B20/EMBO Conference)	W.M. Gallagher	IE–Dublin	6–8 June
	Molecular and cell biology at Spetsai: Past, present and future – a forty year anniversary (Joint FEBS/EMBO Conference)	B.F.C. Clark	GR–Spetses	1–5 September
	Molecular microbiology: Dynamics, evolution and expression of prokaryotic genomes	A.J. Carpousis	DE–Heidelberg	19–23 October
joint EMBO/ESF symposia 2006	B cells cross the divide. From <i>in silico</i> to the whole person	T. Defrance	ES–San Feliu de Guixols	13–18 May
	Gene transcription in yeast	J. Mellor	ES–San Feliu de Guixols	24–29 June
	Bacterial networks: Joining the strengths of structural and systems biology to reach ‘synthetic’ biology	K.J. Hellingwerf	ES–San Feliu de Guixols	2–7 September
	Stem cells in tissue engineering: Isolation, culture, characterisation and applications	R.L. Reis	ES–San Feliu de Guixols	27 October – 1 November

plenary lectures 2006 Europe (EMBC)	Klaus-Armin Nave	XXII International Winter Meeting of the Swiss Society of Neuropathology: Growth and death in the nervous system	CH–St Moritz	22–26 March
	Harald Stenmark	UK Biochemical Society Annual Symposium: The cell biology of inositol lipids and phosphates	UK–Birmingham	29–31 March
	Ferenc Nagy	International Plant Photobiology Meeting	FR–Paris	24–28 April
	Rolf Kemler	Transcriptional Regulation and Cancer	TR–Ankara	3–5 May
	William T. Wickner	ASM-FEMS Conference on Protein Traffic in Prokaryotes	GR–Crete	6–12 May
	Aaron Ciechanover	FEBS Special Meeting: Molecular Signalling	HR–Dubrovnik	26 May–1 June
	David Baulcombe	3rd EPSO Conference: Plant Dynamics: From Molecules to Ecosystems	HU–Visegrad	28 May–1 June
	Stephen Cohen	IMBA MicroSymposium on Small RNAs	AT–Vienna	29–30 May
	Fotis C. Kafatos	31st FEBS Congress: Molecules in Health & Disease	TR–Istanbul	24–29 June
	Aaron Ciechanover	2nd FEMS Congress of European Microbiologists (Integrating Microbial Knowledge in Human Life)	ES–Madrid	4–8 July
	Detlef Weigel	XV FESPB 2006	FR–Lyon	17–21 July
	Raymond A. Dixon	7th European Nitrogen Fixation Conference	DK–Aarhus	22–26 July
	Michael D. Waterfield	BioScience 2006: Bioscience for the 21st century	UK–Glasgow	23–27 July
	Patricia Simpson	First meeting of the European Society for Evolutionary Developmental Biology	CZ–Prague	17–19 August
	Titia de Lange	Telomeres and Genome Stability 2006	CH–Villars-sur-Ollon	30 August–3 September
Jonas Frisén	EuroStemCell International Conference Advances in Stem Cell Research	CH–Lausanne	8–10 September	
René Bernards	3rd EMBL Biennial Symposium: From Functional Genomics to Systems Biology	DE–Heidelberg	14–17 October	

plenary lectures 2006 outside Europe	Nadia Rosenthal	The 6th Hunter Cellular Biology Meeting	AU–Hunter Valley	22–24 March
	Paul Nurse	JR McIntosh Symposium: The molecular basis of motility and mitosis	US–Colorado	23–24 June
	Tim Hunt	QMB2006: 16th Annual Queenstown Molecular Biology Meeting “Molecular Biology of the Living Cell”	NZ–Queenstown	29 August– 1 September
	Raymond A. Dwek	2006 International Hepatitis B Virus Meeting	CD–Richmond	17–20 September
	Kurt Nordström	Plasmid Biology 2006	US–South Lake Tahoe	23–27 September

fellowship programme	Fellows Meeting (Europe)	J. Taplick A. Visser-de Matteis	DE – Heidelberg (EMBL)	26 – 29 May
	Fellows Meeting (USA)	J. Taplick L. Maidment	US – San Diego	11 – 13 November
young investigator programme	Laboratory Management Course Part I (for EMBO Young Investigators)	G.Wallon K. Krynauw	DE – Heidelberg	29 – 31 March
	Young Investigator Meeting	G.Wallon K. Krynauw	AT – Vienna	3 – 6 May
	EMBO/HHMI Central European Scientists Meeting	G.Wallon K. Krynauw	HR – Dubrovnik	15 – 17 June
	Laboratory Management Course (open to all independent scientists)	G.Wallon K. Krynauw	DE – Heidelberg	19 – 22 June
	Laboratory Management Course Part II (for EMBO Young Investigators)	G.Wallon K. Krynauw	DE – Heidelberg	6 – 8 July
	Young Investigator PhD Course	G.Wallon K. Krynauw	DE – Heidelberg	17 – 24 September
	Laboratory Management Course (open to all independent scientists)	G.Wallon K. Krynauw	DE – Heidelberg	30 October – 3 November
	Laboratory Management Courses (for EMBO Fellows)	G.Wallon K. Krynauw	DE – Heidelberg	28 – 30 September 4 – 6 November 8 – 10 November 30 November – 2 December

science & society programme	Focus Meeting on Stem Cell Research	A. Moore A. Bendiscioli	DE – Heidelberg	19 April
	5th International Workshop on Secondary School Biology Education: From School to University	A. Moore A. Bendiscioli	DE – Heidelberg (EMBL)	11 – 13 May
	Media Workshop	A. Moore A. Bendiscioli	DE – Heidelberg (EMBL)	27 May
	Science Communication and Society (FEBS Special Meeting on Molecular Signalling)	A. Moore A. Bendiscioli	HR – Dubrovnik	31 May
	Fun and games with media communication (Media Workshop at ESOF 2006)	A. Moore A. Bendiscioli	DE – Munich	17 July
	Basic Research: Small and sexy (Science & Society Session at ESOF 2006)	A. Moore A. Bendiscioli	DE – Munich	18 July
	Media Communication Workshop (Special Science & Society Session at the EMBO Members Workshop)	A. Moore A. Bendiscioli	UK – Sheffield	14 October
	7th EMBL/EMBO Joint Conference on Science and Society: Genes, brain/mind and behaviour	H. Stefánsson A. Moore A. Bendiscioli	DE – Heidelberg (EMBL)	3 – 4 November
	EMBC Special Hearing on Stem Cell Research	A. Moore A. Bendiscioli	DE – Heidelberg (EMBL)	20 November

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

ABI	Adolf Butenandt Institute (Adolf-Butenandt-Institut) Munich, Germany	CICIC	Scientific Research Centre of Isla de la Cartuja (Centro de Investigaciones Científicas Isla de la Cartuja) Seville, Spain
AFCRI	Abramson Family Cancer Research Institute Philadelphia, USA	CIML	Marseille Luminy Immunology Centre (Centre d'Immunologie de Marseille Luminy) France
AMC	Amsterdam Medical Center, University of Amsterdam (Academisch Medisch Centrum, Universiteit van Amsterdam) The Netherlands	CLB	Central Laboratory of Blood Transfusion Amsterdam, The Netherlands
BBSRC	Biotechnology and Biological Sciences Research Council Swindon, UK	CMBI	Centre for Molecular and Biomolecular Informatics Nijmegen, The Netherlands
BCM	Baylor College of Medicine, Houston, USA	CMNS	Consorzio Mario Negri Sud, Santa Maria Imbaro (Chieti), Italy
BM:BWK	Federal Ministry for Education, Science and Culture (Bundesministerium für Bildung, Wissenschaft und Kultur) Vienna, Austria	CMU	University of Geneva Medical Centre (Centre Médical Universitaire, Université de Genève) Switzerland
BMBF	Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung) Bonn, Germany	CNB	Spanish National Biotechnology Centre (Centro Nacional de Biotecnología) Madrid, Spain
BOKU	University of Natural Resources and Applied Life Sciences (Universität für Bodenkultur) Vienna, Austria	CNIC	Spanish National Cardiovascular Centre (Centro Nacional de Investigaciones Cardiovasculares) Madrid, Spain
CBM	Centre of Molecular Biology (Centro de Biología Molecular) Madrid, Spain	CNIO	Spanish National Cancer Centre (Centro Nacional de Investigaciones Oncológicas) Madrid, Spain
CBRI	CBR Institute for Biomedical Research, Harvard Medical School Boston, USA	CNR-IBC	Italian National Research Centre, Institute of Cell Biology (Consiglio Nazionale delle Ricerche, Istituto di Biologia Cellulare) Rome, Italy
CBS	Structural Biology Centre (Centre de Biochimie Structurale) Montpellier, France	CNRS	French National Centre for Scientific Research (Centre national de la recherche scientifique) France
CEA	Atomic Energy Commission (Commissariat à l'Energie Atomique) Grenoble, France	COSI	Cavaliere Ottolenghi Scientific Institute of Neurobiology Torino, Italy
CeMM	Research Center for Molecular Medicine of the Austrian Academy of Sciences (Forschungszentrum für Molekulare Medizin) Vienna, Austria	CRG	Center for Genomic Regulation (Centre de Regulació Genòmica) Barcelona, Spain
CGMC	Center for Molecular and Cellular Genetics (Centre de Génétique Moléculaire et Cellulaire) Lyon, France		

organisations and acronyms

CSAT	Centre for Research in Biomedicine and Organ and Tissue Transplants (Centro Superior en Alta Tecnología Científica para la Investigación en Biomedicina y Trasplantes de Tejidos y Órganos de la Comunidad Valenciana) Valencia, Spain	ESF	European Science Foundation Strasbourg, France
CSCHAH	Canadian Science Centre for Human and Animal Health Winnipeg, Canada	ETH	Swiss Federal Institute of Technology Zurich (Eidgenössische Technische Hochschule Zürich) Switzerland
CSHL	Cold Spring Harbor Laboratory, USA	EU TMR	European Union's Research Training Networks – Training and Mobility of Researchers (Europe-wide)
CSIC	Spanish National Research Council (Consejo Superior de Investigaciones Científicas) Spain	FEBS	Federation of European Biochemical Societies Europe-wide
CSIRO	Commonwealth Scientific and Industrial Research Organisation Urrbrae, Australia	FHCRC	Fred Hutchinson Cancer Research Center Seattle, USA
DBJC	Joliot-Curie Biology Department, CEA Saclay Gif-sur-Yvette, France	FIRC	Italian Cancer Research Foundation (Fondazione Italiana per la Ricerca sul Cancro) Milan, Italy
DKBW	Department of Clinical Biological Research, University of Basel (Department Klinisch-Biologische Wissenschaften, Universität Basel), Switzerland	FMI	Friedrich Miescher Institute for Biomedical Research Basel, Switzerland
DKFZ	German Cancer Research Center (Deutsches Krebsforschungszentrum) Heidelberg, Germany	Forfás	National Policy Advisory Board of the Department of Enterprise, Trade and Employment Dublin, Ireland
DRFZ	German Rheumatology Research Institute (Deutsches Rheuma-Forschungszentrum) Berlin, Germany	FRM	French Medical Research Foundation (Fondation pour la Recherche Médicale) Paris, France
DUMC	Duke University Medical Centre Durham, USA	GRICES	Office for International Relations in Science and Higher Education (Gabinete de Relações Internacionais da Ciência e do Ensino Superior) Lisbon, Portugal
ELSF	European Life Sciences Forum Europe-wide	GSF	National Research Center for Environment and Health (Forschungszentrum für Umwelt und Gesundheit) Neuherberg, Germany
ELSO	European Life Scientist Organization Europe-wide	HFSP	Human Frontier Science Program Strasbourg, France
EMBL	European Molecular Biology Laboratory Europe-wide	HHMI	Howard Hughes Medical Institute Chevy Chase, USA
EMC	Erasmus Medical Centre, Erasmus University Rotterdam (Universitair Medisch Centrum, Erasmus Universiteit Rotterdam) The Netherlands	HINARI	Health InterNetwork Access to Research Initiative, World Health Organization (WHO) Geneva, Switzerland
ENS	Ecole Normale Supérieure Paris, France	HKI	Hans Knöll Institute, Leibniz Institute for Natural Product Research and Infection Biology (Hans-Knöll-Institut, Leibniz-Institut für Naturstoff-Forschung und Infektionsbiologie) Jena, Germany
EPFL-LCB	Swiss Federal Institute of Technology Lausanne Laboratory of Cell Biophysics (École Polytechnique Fédérale de Lausanne) Switzerland		

organisations and acronyms

HMS	Harvard Medical School, Boston, USA	IIMCB	International Institute of Molecular and Cell Biology Warsaw, Poland
IBB-PAS	Institute of Biochemistry and Biophysics Polish Academy of Sciences Warsaw, Poland	IISc	Indian Institute of Science Bangalore, India
IBCP	Institute for the Biology and Chemistry of Proteins (Institut de Biologie et de Chimie des Protéines) Lyon, France	IMBB-FORTH	Institute of Molecular Biology & Biotechnology Heraklion, Greece
IBDM	Developmental Biology Institute of Marseille (Institut de Biologie du développement de Marseille) France	IMBV	Department of Molecular Biosciences, University of Oslo (Institut for molekylær biovitenskap, Universitetet i Oslo) Norway
IBMC	Institute for Molecular and Cell Biology (Institut de Biologie Moléculaire et Cellulaire) Strasbourg, France	IMCR	Institute of Molecular Cancer Research, University of Zurich Switzerland
IBMP	Institute of Plant Molecular Biology (Institut de Biologie Moléculaire des Plantes) Strasbourg, France	IMIM	Medical Research Institute (Institut Municipal d'Investigació Mèdica) Barcelona, Spain
IBPC	Institute of Biology and Physical Chemistry (Institut de Biologie Physico-Chimique) Paris, France	IMP	Research Institute of Molecular Pathology (Forschungsinstitut für Molekulare Pathologie) Vienna, Austria
IBS	Jean-Pierre Ebel Structural Biology Institute (Institut de Biologie Structurale Jean-Pierre Ebel) Grenoble, France	IMU	Innsbruck Medical University (Medizinische Universität Innsbruck) Austria
ICbBFM	Institute of Chemical Biology and Fundamental Medicine Novosibirsk, Russia	INA	Alicante Institute of Neuroscience (Instituto de Neurociencias de Alicante) Spain
ICSM	Imperial College School of Medicine London, UK	INIM	Institute of Clinical Neuroimmunology (Institut für Klinische Neuroimmunologie) Munich, Germany
ICT	Institute of Chemical Technology Prague (Vysoká Škola Chemicko-Technologická v Praze) Czech Republic	INRA	French National Institute for Agricultural Research (Institut National de la Recherche Agronomique) France
IFOM	FIRC Institute of Molecular Oncology (Istituto FIRC di oncologia molecolare) Milan, Italy	INSERM	French National Institute for Health and Medical Research (Institut national de la santé et de la recherche médicale) France
IGBMC	Institute of Genetics and Molecular and Cellular Biology (Institut de Génétique et de Biologie Moléculaire et Cellulaire) Illkirch, France	INTA	National Institute for Agricultural Technology Castelar, Argentina
IGH	Institute of Human Genetics (Institut de Génétique Humaine), Montpellier, France	IPB	Leibniz Institute of Plant Biochemistry (Leibniz Institut für Pflanzenbiochemie) Halle, Germany
IGMM	Institute of Molecular Genetics of Montpellier (Institut de Génétique Moléculaire de Montpellier) France	IPBO	Plant Biotechnology Institute for Developing Countries, Gent University (Instituut voor Plantenbiotechnologie voor Ontwikkellingslanden) Belgium

organisations and acronyms

IPK	Institute of Plant Genetics and Crop Plant Research (Institut für Pflanzengenetik und Kulturpflanzenforschung) Gatersleben, Germany	MATFORSK	Norwegian Food Research Institution Aas, Norway
IPMC	Institute of Molecular and Cellular Pharmacology (Institut de Pharmacologie Moléculaire et Cellulaire) Valbonne – Sophia Antipolis, France	MBC	Max Bergmann Center of Biomaterials, Technical University of Dresden (Max-Bergmann-Zentrum für Biomaterialien, Technische Universität Dresden) Germany
IRBM P. Angeletti	P. Angeletti Molecular Biology Research Institute (Istituto di Ricerca di Biologia Molecolare P. Angeletti) Rome, Italy	MBK	Agricultural Biotechnology Center (A Kutatóközpont) Gödöllő, Hungary
IRIBHM	Institute of Interdisciplinary Research in Human and Molecular Biology Brussels, Belgium	MDC	Max Delbrück Centre for Molecular Medicine (Max-Delbrück-Centrum für Molekulare Medizin) Berlin, Germany
IRP-HSG	Institute for Legal Studies and Legal Practice, University of St. Gallen (Institut für Rechtswissenschaft und Rechtspraxis, Universität St. Gallen) St. Gallen, Switzerland	MEC	Ministry of Education and Science (Ministerio de Educación y Ciencia) Madrid, Spain
ISC	Experimental Institute for Cereal Research (Istituto Sperimentale per la Cerealicoltura) Foggia, Italy	MHH	Hannover Medical School (Medizinische Hochschule Hannover) Germany
ISREC	Swiss Institute for Experimental Cancer Research (Institut Suisse de Recherche Expérimentale sur le Cancer) Epalinges, Switzerland	MIT	Massachusetts Institute of Technology Cambridge, USA
IUB	International University of Bremen (International Universität Bremen) Germany	MPI	Max Planck Institute (Max-Planck-Institut) Germany
KNAW	Royal Netherlands Academy of Arts and Sciences (Koninklijke Nederlandse Akademie van Wetenschappen) Amsterdam, The Netherlands	MPI-CBG	Max Planck Institute of Molecular Cell Biology and Genetics (Max-Planck-Institut für molekulare Zellbiologie und Genetik) Dresden, Germany
LBPA	Biotechnology and Applied Genetic Pharmacology Laboratory (Laboratoire de Biotechnologies et Pharmacologie Génétique Appliquée) Cachan, France	MRC	Medical Research Council, United Kingdom
LEBS	Laboratory of Structural Enzymology and Biochemistry (Laboratoire d'Enzymologie et Biochimie Structurales) Gif-sur-Yvette, France	MRC-LMB	Medical Research Council Laboratory of Molecular Biology Cambridge, UK
LICR	Ludwig Institute for Cancer Research Worldwide	MSKCC	Memorial Sloan-Kettering Cancer Center New York, USA
LMU	Ludwig Maximilian University (Ludwig-Maximilians-Universität) Munich, Germany	MSSM	Mount Sinai School of Medicine New York, USA
LSHTM	London School of Hygiene & Tropical Medicine University of London, UK	MTA	Hungarian Academy of Sciences (Magyar Tudományos Akadémia) Budapest, Hungary
		NCMLS	Nijmegen Centre for Molecular Life Sciences The Netherlands
		NCSU	North Carolina State University Raleigh, USA
		NIAID	National Institute of Allergy and Infectious Diseases Bethesda, USA
		NIBGE	National Institute for Biotechnology and Genetic Engineering Faisalabad, Pakistan

organisations and acronyms

NIEB	Nencki Institute of Experimental Biology Warsaw, Poland	UPMC	Pierre and Marie Curie University (Université Pierre et Marie Curie) Paris, France
NIH	National Institutes of Health Bethesda, USA	USTC	University of Science and Technology of China Hefei, China
NIMR	National Institute for Medical Research London, United Kingdom	VIB	Flanders Interuniversity Institute for Biotechnology (Vlaams Interuniversitair Instituut voor Biotechnologie) Belgium
NKI	Netherlands Cancer Institute (Nederlands Kanker Instituut) Amsterdam, The Netherlands	WEHI	The Walter and Eliza Hall Institute of Medical Research Melbourne, Australia
NPHI	National Public Health Institute (Kansanterveyslaitos Folkshälsöinstitutet) Helsinki, Finland	WIBR	Whitehead Institute for Biomedical Research Cambridge, USA
NYU	New York University USA	WTCCB	Wellcome Trust Centre for Cell Biology, University of Edinburgh UK
OCEAC-IRD	Coordinating organisation for the fight against endemics in Central Africa (Organisation de Coordination pour la lutte contre les Endémies en Afrique Centrale) Yaoundé, Cameroon	WTSI	Wellcome Trust Sanger Institute Hinxton, UK
OCMS	Oxford Centre for Molecular Sciences UK	ZMBE	Center for Molecular Biology of Inflammation (Zentrum für Molekularbiologie der Entzündung) Münster, Germany
OMRF	Oklahoma Medical Research Foundation Oklahoma City, USA		
PICR	Paterson Institute for Cancer Research Manchester, UK		
PRI	Plant Research International Wageningen, The Netherlands		
SFI	Science Foundation Ireland		
SICMMB	Sars International Centre for Marine Molecular Biology Bergen, Norway		
SILS	Swammerdam Institute for Life Sciences University of Amsterdam The Netherlands		
TIGEM	Telethon Institute of Genetics and Medicine Naples, Italy		
TSRI	The Scripps Research Institute La Jolla, USA		
UAM	Autonomous University of Madrid (Universidad Autónoma de Madrid) Madrid, Spain		
ULB	Free University of Brussels (Université Libre de Bruxelles) Belgium		



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