

The background is a vibrant red with a complex network of thin white and dark red lines radiating from various points, some ending in small circles. A small, stylized clownfish is positioned in the center, and a starfish is located below it. The overall aesthetic is modern and scientific.

29–31 OCTOBER 2019

EMBO Members Meeting 2019

Programme

Tuesday 29 OCTOBER

08:00 - 09:00 REGISTRATION		
09:00 - 09:10	Maria Leptin EMBO DIRECTOR	Welcome address
SESSION 1		
	Howard Riezman CHAIR	University of Geneva, CH
09:10	Blanche Schwappach	Physiological integration of the COPI vesicle coat University Medical Center Göttingen, DE
09:30	Aurélien Roux	Common principles of surface remodelling in cell membrane traffic and epithelium folding University of Geneva, CH <i>Proposer: Howard Riezman</i>
09:50	Robert Tampé	How supramolecular chaperone and translocation complexes shape our adaptive immunity Goethe University Frankfurt, DE
10:10	Katrin Rittinger	Ubiquitin-dependent control of cell signalling Francis Crick Institute, Cambridge, GB
10:30	Frank Jülicher	Biophysics of active systems Max Planck Institute for the Physics of Complex Systems, Dresden, DE <i>Proposer: Stephan Grill</i>
10:50 - 11:10 COFFEE BREAK: EMBL OPERON FOYER		
SESSION 2		
	Carsten Janke CHAIR	Institut Curie, Orsay, FR
11:10	Nynke H. Dekker	Studies of replication at the single-molecule level TU Delft, NL
11:30	Andrzej Dziembowski	Regulation of Gene Expression by non-canonical poly(A) and poly(U) polymerases Polish Academy of Sciences, Warsaw, PL
11:50	Tadatsugu Taniguchi	Dead cell-derived molecules in inflammation and cancer University of Tokyo, JP
12:10	Paul Lehner	The HUSH epigenetic transcriptional complex — defending the genome from retroelement attack University of Cambridge, GB
12:30 - 13:30 LUNCH: EMBL OPERON FOYER		
SESSION 3		
	Duncan Odom CHAIR	DKFZ, Heidelberg, DE
13:30	Adèle Marston	Mechanisms of chromosome segregation University of Edinburgh, GB
13:50	James Turner	Sex chromosomes in development and disease Francis Crick Institute, Cambridge, GB
14:10	Fanni Gergely	Precision, speed and size – how centrosomes fine-tune cell division and development University of Cambridge, GB <i>Proposer: Duncan Odom</i>
14:30	G. V. Shivashankar	Mechano-Genomics and Cell-Fate Decisions National University of Singapore, SG <i>Proposer: Francesco Blasi</i>
14:50	Peter Baumann	Genome stability and chromosome acrobatics Johannes Gutenberg University, Mainz, DE <i>Proposer: Christof Niehrs</i>
15:10	Kikuë Tachibana	Chromosome segregation and higher-order chromatin organization in mammalian oocytes IMBA, Vienna, AT
15:30 - 16:00 COFFEE BREAK: EMBL OPERON FOYER		

Tuesday 29 OCTOBER

SESSION 4	Karen Avraham CHAIR	Tel Aviv University, IL
16:00	Ruth Ley	Tales of humans and their microbiomes Max Planck Institute for Developmental Biology, Tübingen, DE
16:20	Melanie Blokesch	Molecular mechanisms involved in the environmental lifestyle of pathogenic Vibrios EPFL, Lausanne, CH
16:40	Judith Berman	Beyond “resistance”: insights into subpopulation responses to antifungals Tel Aviv University, IL <i>Proposer: Karen Avraham</i>
17:00	Sonja-Verena Albers	The archaeellum: how archaea swim University of Freiburg, DE
17:20	Julia Vorholt	Establishing causality: Opportunities of synthetic communities for plant microbiome research ETH Zurich, CH
17:40 - 17:50	COFFEE BREAK: EMBL OPERON FOYER	
SESSION 5	Karen Avraham CHAIR	Tel Aviv University, IL
17:50	Judith Allen	Learning from helminths: macrophages in type 2 immunity University of Manchester, GB
18:10	Cyril Zipfel	Receptor kinase-mediated innate immunity University of Zurich, CH
18:30 - 22:00	WELCOME RECEPTION EMBL BUILDING	
22:00	BUSES TO HOTELS	

Wednesday 30 OCTOBER

08:30	BUS FROM VILLA TOSKANA	
08:30	BUS FROM ISG HOTEL	
08:30 - 09:00	COFFEE BREAK EMBL OPERON FOYER	
SESSION 6	Colin Murrell CHAIR	University of East Anglia, GB
09:00	Nicole Dubilier	The art of harnessing dark energy: Symbioses between marine invertebrates and chemosynthetic bacteria Max Planck Institute for Marine Microbiology, Bremen, DE <i>Proposer: Colin Murrell</i>
09:20	Roberto Bassi	Understanding and managing light use efficiency by plants and algae for food and fuels University of Verona, IT <i>Proposer: Francis-André Wollman</i>
09:40	Purificación López-García	Microbial ecology and evolution through the lens of molecules CNRS, Orsay, FR <i>Proposer: Eugene Koonin</i>
10:00	Patrick Wincker	Ecosystem Genomics Genoscope CEA, Evry, FR
10:20	Nicole Soranzo	Wellcome Sanger Institute, Cambridge, GB <i>Proposer: Madan Babu</i>
10:40 - 11:00	COFFEE BREAK: EMBL OPERON FOYER	
SESSION 7	Madan Babu CHAIR	MRC Laboratory of Molecular Biology, Cambridge, GB
11:00	Yoshihide Hayashizaki	The history and recent progress of Omics Science led by the International FANTOM Consortium RIKEN, Wako, JP <i>Proposer: Madan Babu</i>
11:20	Sadaf Farooqi	Fundamental Mechanisms Controlling Human Homeostasis University of Cambridge, GB
11:40	Richard Benton	Olfactory evolution: receptors, circuits and behaviours University of Lausanne, CH
12:00	Alain Chédotal	Evolution of axon guidance mechanisms Institut de la Vision, Paris, FR
12:20	Claire Wyart	Discovery of a sensory system in the vertebrate spinal cord ICM, Paris, FR <i>Proposer: Stephen Wilson</i>
12:40 - 12:45	GROUP PHOTO: EMBL OPERON FOYER	
12:45 - 14:20	LUNCH: EMBL CANTEEN	
SESSION 8	Carsten Janke CHAIR	Institut Curie, Orsay, FR
14:20	Bruno Silva-Santos	Gamma-delta T cells in tissue (patho)physiology Instituto de Medicina Molecular João Lobo Antunes, Lisbon, PT
14:40	Johanna Joyce	Exploring and Exploiting the Tumor Microenvironment University of Lausanne, CH
15:00	Manuel Théry	Microtubule network architecture Hopital Saint Louis/CEA, Paris, FR <i>Proposer: Carsten Janke</i>
15:20 - 16:00	COFFEE BREAK: EMBL OPERON FOYER	

Wednesday 30 OCTOBER

SESSION 9

Frances Brodsky
CHAIR

University College London, GB

- 16:00 **Garib Murshudov** Computational methods for macromolecular crystallography and cryoEM
MRC Laboratory of Molecular Biology, Cambridge, GB
- 16:20 **Jennifer Stow** Macrophage macropinosomes - platforms for signalling and drinking
University of Queensland, AU
Proposer: Frances Brodsky
- 16:40 **Marc Bühler** The ChAHP complex
Friedrich Miescher Institute for Biomedical Research, Basel, CH

17:00 - 17:20 COFFEE BREAK: EMBL OPERON FOYER

17:20 - 19:15 EMBO MEMBERS' FORUM, EMBO PRESS & EMBO GOLD MEDAL

19:30 BUSES TO HEIDELBERGER SCHLOSS

20:00 - 20:30 APÉRITIF HEIDELBERGER SCHLOSS

20:30 - 22:30 GALA DINNER HEIDELBERGER SCHLOSS

22:30 BUSES TO HOTELS

Thursday 31 OCTOBER

08:30	BUS FROM VILLA TOSKANA	
08:30	BUS FROM ISG HOTEL	
08:30 - 09:00	COFFEE BREAK EMBL OPERON FOYER	
SESSION 10	Cédric Blanpain CHAIR	Université Libre de Bruxelles, BE
09:00	Gregory Hannon	A small RNA based innate immune system guards germ cell genomes University of Cambridge, GB
09:20	Frédéric de Sauvage	Tumor cell plasticity as a challenge for targeted therapies Genetech, San Francisco, US <i>Proposer: Cédric Blanpain</i>
09:40	Ana-Maria Lennon-Duménil	Dendritic Cell Migration at various scales Institut Curie, Paris, FR
10:00	Fernando Pitossi	Identifying Therapeutic Targets Against Parkinson's Disease by Studying Neuroinflammation Leloir Institute Foundation- CONICET, Buenos Aires, AR <i>Proposer: Brian Hemmings</i>
10:20	Mikiko Siomi	piRNA biogenesis and function University of Tokyo, JP
10:40 - 11:00	COFFEE BREAK: EMBL OPERON FOYER	
SESSION 11	Caroline Hill CHAIR	Francis Crick Institute, Cambridge, GB
11:00	Alexander Meissner	Mechanisms of Epigenetic Regulation in Early Development Max Planck Institute for Molecular Genetics, Berlin, DE
11:20	Janet Rossant	Making the blastocyst: from cells to genes to stem cells Hospital for Sick Children, Toronto, CA <i>Proposer: Philip Ingham</i>
11:40	Miguel Torres	Cell Competition in Development and Disease CNIC, Madrid, ES
12:00	Nicolas Tapon	Developmental control of tissue growth Francis Crick Institute, Cambridge, GB <i>Proposer: Caroline Hill</i>
12:20 - 13:20	LUNCH: EMBL OPERON FOYER	
SESSION 12	Philip Ingham CHAIR	Lee Kong Chian School of Medicine, Singapore, SG
13:20	Thomas Gregor	How the physics of enhancers shapes development Institut Pasteur, Paris, FR <i>Proposer: Francois Schweisguth</i>
13:40	Leonid Sazanov	Structure and mechanism of respiratory complex IST, Klosterneuburg, AT
14:00	Stefan Rausner	The power of cryo-EM to elucidate biological mechanisms Max Planck Institute of Molecular Physiology, Dortmund, DE
14:20	Sarah Butcher	New druggable pockets in rhino and enteroviruses University of Helsinki, FI
14:40	Janusz Bujnicki	RNA-protein interactions investigated by hybrid methods International Institute of Molecular and Cell Biology, Warsaw, PL
15:00 - 15:20	COFFEE BREAK: EMBL OPERON FOYER	

Thursday 31 OCTOBER

SESSION 13

Brian Hemmings
CHAIR

Friedrich Miescher Institute for Biomedical Research, Basel, CH

15:20

Marcin Nowotny

Conformational readout of nucleic acids in DNA repair
International Institute of Molecular and Cell Biology, Warsaw, PL

15:40

Mathieu Piel

Large cell and nuclear deformation
Institut Curie, Paris, FR

16:00

Lalita Ramakrishnan

Learning molecular biology from the tubercle bacillus
MRC Laboratory of Molecular Biology, Cambridge, GB

16:20

Maria Leptin
EMBO DIRECTOR

Closing address

16:30

FAREWELL DRINKS: EMBL OPERON FOYER

Participants

NAME	AFFILIATION
Sonja-Verena Albers	University of Freiburg, DE
Judith Allen	University of Manchester, GB
Karen Avraham	Tel Aviv University, IL
M. Madan Babu	MRC Laboratory of Molecular Biology, Cambridge, GB
Roberto Bassi	University of Verona, IT
Peter Baumann	Johannes Gutenberg University, Mainz, DE
Richard Benton	University of Lausanne, CH
Judith Berman	Tel Aviv University, IL
Heinrich Betz	Max Planck Institute for Medical Research, Heidelberg, DE
Cédric Blanpain	Université Libre de Bruxelles, BE
Francesco Blasi	Istituto FIRC di Oncologia Molecolare, Milan, IT
Melanie Blokesch	Swiss Federal Institute of Technology Lausanne, Lausanne, CH
Frances Brodsky	University College London, GB
Marc Bühler	Friedrich Miescher Institute for Biomedical Research, Basel, CH
Janusz Bujnicki	International Institute of Molecular and Cell Biology in Warsaw, PL
Sarah Butcher	University of Helsinki, FI
Alain Chédotal	Institut de la Vision, Paris, FR
Frédéric De Sauvage	Genetech, San Francisco, US
Nynke Dekker	TU Delft, NL
Nicole Dubilier	Max Planck Institute for Marine Microbiology, Bremen, DE
Andrzej Dziembowski	Polish Academy of Sciences, Warsaw, PL
Sadaf Farooqi	University of Cambridge, GB
Fanni Gergely	University of Cambridge, GB
Thomas Gregor	Institut Pasteur / Princeton University, Paris, FR
Stephan Grill	Technische Universität Dresden, DE
Gregory Hannon	University of Cambridge, GB
Yoshihide Hayashizaki	RIKEN, Wako, JP
Brian Hemmings	Friedrich Miescher Institute for Biomedical Research, Basel, CH
Caroline Hill	Francis Crick Institute, London, GB
Philip Ingham	Lee Kong Chian School of Medicine, Singapore, SG
Carsten Janke	Institut Curie, Orsay, FR
Johanna Joyce	University of Lausanne, CH
Frank Jülicher	Max Planck Institute for the Physics of Complex Systems, Dresden, DE
Eugene Koonin	NIH, Bethesda, US
Paul Lehner	University of Cambridge, GB
Ana-Maria Lennon-Duménil	Institut Curie, Paris, FR
Ruth Ley	Max Planck Institute for Developmental Biology, Tübingen, DE
Purificación López-García	CNRS, Orsay, FR
Adèle Marston	University of Edinburgh, GB
Alexander Meissner	Max Planck Institute for Molecular Genetics, Berlin, DE
Colin Murrell	University of East Anglia, Norwich, GB
Garib Murshudov	MRC Laboratory of Molecular Biology, Cambridge, GB
Christof Niehrs	Institute of Molecular Biology, Mainz, DE
Marcin Nowotny	International Institute of Molecular and Cell Biology in Warsaw, PL
Duncan Odom	DKFZ, Heidelberg, DE
Duanqing Pei	Guangzhou Institutes of Biomedicine and Health, CN
Paola Picotti	ETH Zurich, CH
Matthieu Piel	Institut Curie, Paris, FR
Fernando Pitossi	Leloir Institute Foundation- CONICET, Buenos Aires, AR
Lalita Ramakrishnan	MRC Laboratory of Molecular Biology, Cambridge, GB
Stefan Raunser	Max Planck Institute of Molecular Physiology, Dortmund, DE
Howard Riezman	University of Geneva, CH
Katrin Rittinger	Francis Crick Institute, London, GB
Janet Rossant	Hospital for Sick Children, Toronto, CA
Aurélien Roux	University of Geneva, CH
Leonid Sazanov	IST Austria, Klosterneuburg, AT
Blanche Schwappach	University Medical Center Göttingen, DE
François Schweisguth	Institut Pasteur, Paris, FR
G.V. Shivashankar	National University of Singapore, SG
Bruno Silva-Santos	Instituto de Medicina João Lobo Antunes, Lisbon, PT
Mikiko Siomi	University of Tokyo, JP
Nicole Soranzo	Wellcome Sanger Institute, Cambridge, GB
Jennifer Stow	University of Queensland, Brisbane, AU
Kikuë Tachibana	Institute of Molecular Biotechnology, Vienna, AT
Robert Tampé	Goethe University Frankfurt, DE
Tadatsugu Taniguchi	University of Tokyo, JP
Nicolas Tapon	Francis Crick Institute, London, GB
Manuel Théry	Hopital St Louis / CEA, Paris, FR
Miguel Torres	Centro Nacional de Investigaciones Cardiovasculares, Madrid, ES
James Turner	Francis Crick Institute, London, GB
Julia Vorholt	ETH Zurich, CH
Stephen Wilson	University College London, GB
Patrick Wincker	Genoscope CEA, Evry, FR
Francis-André Wollman	Université Pierre et Marie Curie, Paris, FR
Claire Wyart	Institut du Cerveau et de la Moelle épinière, Paris, FR
Cyril Zipfel	University of Zurich, CH

Useful information

TELEPHONE NUMBERS

ISG Hotel
+49 - 6221 38610

Villa Toskana
+49 - 6224 82920

Heidelberg taxi company
+49 - 6221 30 20 30

EMBO reception
+49 - 6221 8891 130

Operon (Sophia Hercus)
+49 - 6221 387 8509

BUS SCHEDULE

Company: Hoffmann Reisen GmbH

Tuesday 29 October

Buses from EMBO to ISG Hotel & Villa Toskana
22:00

Wednesday 30 October

Bus from ISG Hotel to EMBO
08:30

Bus from Villa Toskana to EMBO
08:30

Buses from EMBO to Schloss Heidelberg
20:00

Buses from Schloss Heidelberg to ISG Hotel & Villa Toskana
22:30

Thursday 31 October

Bus from ISG Hotel to EMBO
08:30

Bus from Villa Toskana to EMBO
08:30

Public bus Monday – Friday
To Heidelberg town centre, Bismarckplatz, from EMBL bus stop
14:11 | 15:11 | 16:08 | 16:28 | 16:48 | 17:08
17:28 | 17:48 | 18:08 | 18:38 | 19:08 | 20:08
Ticket price – around €2.50

ADDRESSES

ISG Hotel
Im Eichwald 19
69126 Heidelberg

Villa Toskana
Hamburger Straße 4–10
69181 Leimen/Heidelberg

Restaurant Palais Prinz Carl
Kornmarkt 1
69117 Heidelberg

EMBO & EMBL
Meyerhofstraße 1
69117 Heidelberg