

WEDNESDAY

18th February 2015

Session 1 3D: Differentiation, Development and Disease

Chair: Mirka Uhlirova

14:00 Welcome and Opening Remarks

Mirka Uhlirova

14:10 Fiona Watt (London)

Regulation of stem cell fate in mammalian epidermis

14:50 Edith Heard (Paris)

Chromosome and gene expression dynamics during mammalian X inactivation

15:30 Coffee break

16:00 Valerie Weaver (San Francisco)

Forcing malignancy and metastasis

16:40 Eileen Furlong (Heidelberg)

Transcriptional regulation during developmental transitions: A view from 3D

17:20 Josef Penninger (Vienna)

Yeast genetics in mammalian stem cells

18:15 Opening Reception

THURSDAY

19th February 2015

Session 2 Decoding and regulating genes and genomes

Chairs: Thomas Wiehe, Maria Leptin

9:00 Bas van Steensel (Amsterdam)

Genomics approaches to chromatin structure and function

9:40 Andrea Brand (Cambridge)

Regulation of neural stem cell quiescence and reactivation

10:20 Coffee break

11:00 Victor Corces (Atlanta)

Transcription in the 3D genome

11:40 Alex Stark (Vienna)

Decoding transcriptional regulation in *Drosophila*

12:20 Lunch break, "Meet the Speakers"

14:20 Bart Deplancke (Lausanne)

Variation and genetic control of chromatin architecture in humans

15:00 Julius Brennecke (Vienna)

Genetics and genomics of transposon control in the *Drosophila* germline

15:40 Coffee break

Session 3 The beauty of visualization

Chair: Niels Gehring

16:00 Jacco van Rheenen (Utrecht)

Intravital imaging of cancer cell plasticity

16:40 Lars Hufnagel (Heidelberg)

Bioimaging across scales: from within cells to embryos

17:20 Gene Myers (Dresden)

Light-based systems biology

FRIDAY

20th February 2015

Session 4 Omics and networks in biology

Chair: Andreas Beyer

9:00 Matthias Mann (Martinsried)

Proteomics in gene regulation and genetics

9:40 Paola Picotti (Zurich)

Probing protein conformational changes in health and disease

10:20 Coffee break

11:00 Marc Vidal (Boston)

Interactome networks and human disease

11:40 Anne-Claude Gavin (Heidelberg)

Lipid-protein complexes

12:20 Lunch break, "Meet the Speakers"

Session 5 Understanding and manipulating genomes

Chair: Kay Hofmann

14:20 Magnus Nordborg (Vienna)

Studying the genotype-phenotype map in *Arabidopsis*

15:00 Reuven Agami (Amsterdam)

Sensing amino acid deficiencies

15:40 Emmanuelle Charpentier (Braunschweig)

CRISPR-Cas9: an ancient bacterial immune system harnessed for genome engineering

16:20 Closing Remarks

Andreas Beyer

About

The internationally renowned Cologne Spring Meeting series organized by the Institute for Genetics is a long-standing scientific tradition since the 1960's. The major goal of the Spring Meeting 2015 entitled "21st Century Genetics" is to bring together top international scientists who have revolutionized investigation of biological and genetic questions by developing and/or applying innovative approaches.

The Spring Meeting 2015 will accommodate emerging developments in all areas of the life sciences and foster the exchange of ideas between different fields. This mid-sized meeting offers a great opportunity for participants to interact with the speakers and other high-ranking scientists during the coffee breaks and evening receptions. We look forward to welcoming you in Cologne.

General Information

Conference Front Desk

Located in the foyer of the MTI building, the front desk is open during the following times:

Wednesday	February 18	12:30 - 18:30
Thursday	February 19	08:30 - 18:30
Friday	February 20	08:30 - 17:00

Industrial Exhibition

Meeting attendees are invited to visit the industrial exhibition in the foyer of the MTI building during the following times:

Wednesday	February 18	13:00 - 19:00
Thursday	February 19	09:00 - 18:00
Friday	February 20	09:00 - 14:30

We thank Service Systems, Dreieich, (mail@sersys.de) for organizing the industrial exhibition.

Meet the Speakers Lunch

During the appropriate lunch breaks, attendees registered for "Meet the Speakers" lunches should go to Rooms 0.039 and 0.040 of the CECAD Research Center located at Josef-Stelzmann Str. 26.

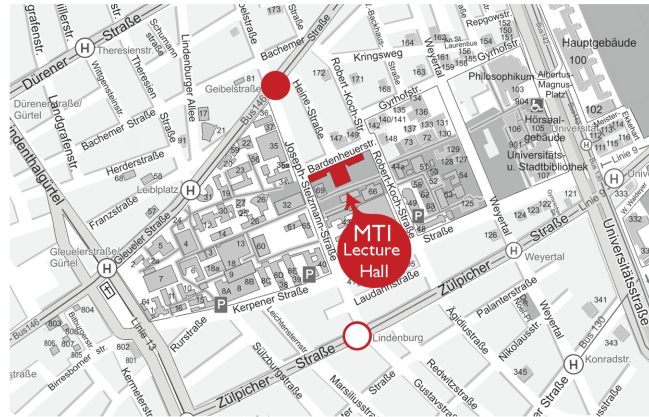
Certificate of Attendance

Certificates of attendance are issued at the conference front desk located in the foyer of the MTI building.

Internet Access

WLAN is available within the MTI building. See front desk for details.

Location



University of Cologne | MTI Lecture Hall | Joseph-Stelzmann-Strasse 52 | 50931 Cologne

Public Transport ◯ Tram 9 "Lindenburg" ● Bus 146 "Geibelstraße"

Sponsors

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Credits

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