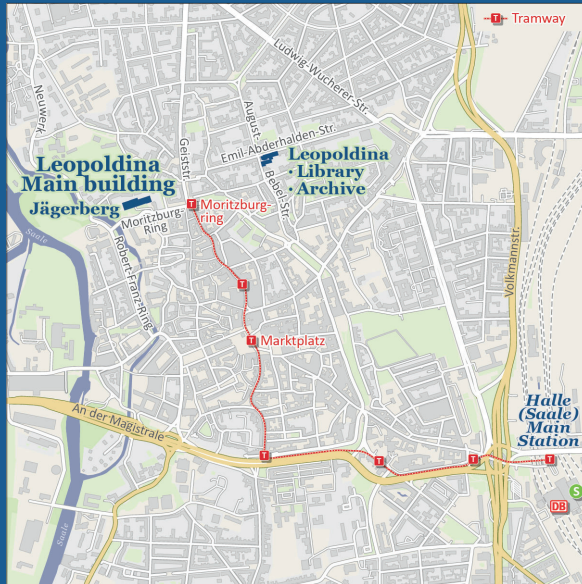


How to find us



Event location

Deutsche Akademie der Naturforscher Leopoldina e. V.
– German National Academy of Sciences –
Jägerberg 1 | 06108 Halle (Saale) | Germany

Registration

Please register for participation until 2 April 2025 at:
www.leopoldina.org/en/life-science-Symposium

You can find detailed instructions on how to get there at:
www.leopoldina.org/en/service/contact/

The Leopoldina originated in 1652 as a classical scholarly society and now has 1,600 members from almost all branches of science. In 2008, the Leopoldina was appointed as the German National Academy of Sciences and, in this capacity, was invested with two major objectives: representing the German scientific community internationally, and providing policymakers and the public with science-based advice.

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Leopoldina
Nationale Akademie
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Leopoldina Life Science Symposium 2025

Leopoldina Class II

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Thursday, 10 April 2025 | 10:30–18:20

German National Academy of Sciences Leopoldina
Jägerberg 1
06108 Halle (Saale) | Germany



Program

10:30

Welcome

Prof. Dr. Roland Lill ML (Speaker of Class II)
Institute for Cytobiology, University of Marburg

1st session

Chair: Prof. Dr. Regine Kahmann ML
Max Planck Institute for Terrestrial Microbiology, Marburg

10:40

Genome regulation during embryonic development

Prof. Dr. Eileen E. M. Furlong ML
European Molecular Biology Laboratory, Heidelberg

11:00

Emerging concepts in immune clonality and memory

Prof. Dr. Chiara Romagnani ML
Institute of Medical Immunology, Charité Berlin

11:20

Transient antimicrobial drug resistance evoked via RNAi-dependent epimutation

Prof. Dr. Joseph Heitman ML
Department of Molecular Genetics and Microbiology, Duke University Medical Center, Durham, NC

11:40

Single-cell biology of microbial pathogens during infection

Prof. Dr. Dirk Bumann ML
Biozentrum, University of Basel

12:00

Cardiogenesis as blueprint for heart repair

Prof. Dr. Alessandra Moretti ML
Klinikum rechts der Isar, TU Munich

12:20

Lunch

2nd session

Chair: Prof. Dr. Hermann Wagner ML
Institute of Biology II (Zoology), RWTH Aachen

13:20

Representation of numbers in the brain

Prof. Dr. Andreas Nieder ML
Institute of Neurobiology, University of Tübingen

13:40

Interplay between anthropogenic stressors, gut microbiomes, immune system and wildlife health

Prof. Dr. Simone Sommer ML
Institute of Evolutionary Ecology and Conservation Genomics, University of Ulm

14:00

Biodiversity and ecosystem functions in climate change

Prof. Dr. Christian Wirth ML
Institute of Biology, Leipzig University

14:20

Elucidating interactions between ocean microbes in the wild and their ecosystem consequences

Prof. Dr. Alexandra Worden ML
Marine Biological Laboratory, University of Chicago, IL

14:40

Marine sponges: Methuselahs of the seas

Prof. Dr. Ute Hentschel Humeida ML
GEOMAR Helmholtz-Zentrum für Ozeanforschung, Kiel

15:00

Coffee break

3rd session

Chair: Prof. Dr. Roland Lill ML (Speaker of Class II)
Institute for Cytobiology, University of Marburg

15:30

How to make a living by producing acetate from carbon dioxide: the enigma of acetogenic bacteria

Prof. Dr. Volker Müller ML
Department of Molecular Microbiology and Bioenergetics, Johann Wolfgang Goethe University, Frankfurt

15:50

Principles of enzyme catalysis and regulation

Prof. Dr. Kai Tittmann ML
Department of Molecular Enzymology, Georg-August-University, Göttingen

16:10

RNA transport in a large polarized cell

Dr. Anne Ephrussi ML
European Molecular Biology Laboratory, Heidelberg

16:30

Transport and degradation of mitochondrial proteins

Prof. Dr. Agnieszka Chacirńska ML
International Institute of Molecular Mechanisms and Machines, Polish Academy of Sciences, Warsaw

16:50

Lysosome biogenesis and membrane fusion

Prof. Dr. Christian Ungermann ML
Department of Biology/Chemistry, Osnabrück University

17:10

Coffee break

4th session

Chair: Prof. Dr. Bertram Brenig ML
Institute of Veterinary Medicine, Georg-August-University, Göttingen

17:30

From endocytosis to liver tissue organization

Prof. Dr. Marino Zerial ML
Max Planck Institute of Molecular Cell Biology and Genetics, Dresden

17:50

Applying CRISPR/Cas to plant breeding: from gene editing to chromosome engineering

Prof. Dr. Holger Puchta ML
Joseph Gottlieb Kölreuter Institute for Plant Sciences, Karlsruhe Institute of Technology

18:10

Closing remarks

Prof. Dr. Regine Kahmann ML
Max Planck Institute for Terrestrial Microbiology, Marburg