

# Registration

**The Symposium is free of charge.**

To participate via zoom, please register until June 17 at:  
<https://www.leopoldina.org/veranstaltungen/veranstaltung/event/2881/>

**You can follow the event on Youtube**

<https://www.youtube.com/watch?v=xOvV-HxjDIE>

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.

The Leopoldina champions the freedom and appreciation of science on both the national and the international level. It is her role to identify and analyse scientific issues of social importance. The Leopoldina presents its policy recommendations in a scientifically qualified, independent, transparent and prospective manner, ever mindful of the standards and consequences of science.



## 2. Life Science Symposium 2021

**Leopoldina Class II**

**Contact**

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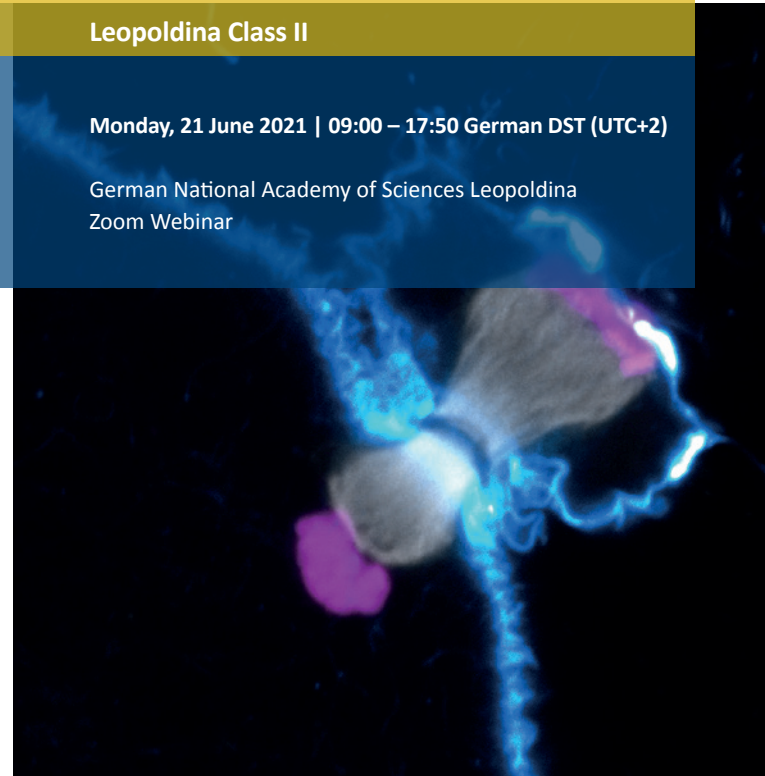
German National Academy of Sciences Leopoldina

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[www.leopoldina.org](http://www.leopoldina.org)

**Monday, 21 June 2021 | 09:00 – 17:50 German DST (UTC+2)**

German National Academy of Sciences Leopoldina  
Zoom Webinar



# Program

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## 09:00 Welcome

Roland Lill  
*University of Marburg, Germany*  
*Speaker of the Class*

### Session 1

Chair: Roland Lill  
*University of Marburg, Germany*

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## 09:10

### Elucidating biological mechanisms by structural biochemistry

Stefan Raunser  
*Max Planck Institute for Molecular Physiology, Dortmund, Germany*

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## 09:40

### From cytogenetics to cell-free genetics

Michael Speicher  
*Medical University of Graz, Austria*

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## 10:10

### Glycobiology of membrane trafficking

Ludger Johannes  
*Institut Curie, Paris, France*

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## 10:40 Coffee break

### Session 2

Chair: Bertram Brenig  
*University of Göttingen, Germany*

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## 11:00

### Illuminating the beginning of life

Melina Schuh  
*Max Planck Institute for Biophysical Chemistry, Göttingen, Germany*

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## 11:30

### Reaching out for the sun: Plant responses to unfavourable light conditions

Christian Fankhauser  
*University of Lausanne, Switzerland*

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## 12:00

### When a guardian angel becomes a tyrant: New findings in pain research

Rohini Kuner  
*Heidelberg University, Germany*

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## 12:30

### Pyroptosis, inflammation & antitumor immunity

Feng Shao  
*National Institute Biological Sciences, Beijing, China*

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## 13:00 Lunch break

### Session 3

Chair: Regine Kahmann  
*Max Planck Institute for Terrestrial Microbiology Marburg, Germany*

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## 14:00

### Permanent hitch-hikers: How human gut microbes have adapted to the life within

Ruth Ley  
*Max Planck Institute for Developmental Biology, Tübingen, Germany*

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## 14:30

### Ubiquitous ubiquitin

Brenda Schulman  
*Max Planck Institute of Biochemistry, Martinsried, Germany*

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## 15:00

### On the role of immune cells in fatty liver disease and liver cancer development: Implications for antitumor therapy

Mathias Heikenwälder  
*German Cancer Research Center (DKFZ), Heidelberg, Germany*

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## 15:30 Coffee break

### Session 4

Chair: Christian Kurts  
*University of Bonn, Germany*

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## 15:50

### Structural and mechanistic studies of multidrug transporters

Kaspar Locher  
*ETH Zurich, Switzerland*

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## 16:20

### Epigenetic regulation by histone acetylation

Asifa Akhtar  
*Max Planck Institute of Immunobiology and Epigenetics, Freiburg, Germany*

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## 16:50

### Modern taxonomy as basis for biodiversity research

Miguel Vences  
*Technische Universität Braunschweig, Germany*

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## 17:20

### The Collective Intelligence of Honey Bee Colonies

Thomas Dyer Seeley  
*Cornell University, USA*

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## 17:50 Closing Remarks

Regine Kahmann  
*Max Planck Institute for Terrestrial Microbiology Marburg, Germany*  
*Vice-Speaker of the Class*