Leopoldina Lecture and Symposium of class II

**Leopoldina Life-Science-Symposium 2018**

23. – 24. May 2018

Nationale Akademie der Wissenschaften | Jägerberg 1 | 06108 Halle (Saale)

Mittwoch, 23. Mai 2018 I 17:30 – 19:30 Uhr

17:30 – 18:30 Uhr **Übergabe der Urkunden an die neuen Mitglieder der Klasse II**

*[5:30 – 6:30 p.m. Inauguration ceremony; in German with simultaneous translation into English]*

18:30 – 19:30 Uhr **Leopoldina Vorlesung**

*[6:30 – 7:30 p.m. Leopoldina lecture; in German with simultaneous translation into English]*

**Klimawandel – Risiken für die Ernährungssicherung und Handlungsbedarf**

Prof. Dr. Joachim von Braun ML, Universität Bonn

*[Climate change – Risks for food supply and action needed;*

*in German with simultaneous translation into English]*

followed by a dinner at MoritzKunstCafé

Thursday, 24. May 2018 | 11:00 a.m. – 5:00 p.m.

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| 11:00 a.m. | **Welcome address**Prof. Dr. Eberhard Schäfer (Speaker of Class II)*Freiburg* |
| 11:05 a.m. | **Smell-driven behavior in insects - Evolutionary neuroethology**Prof. Dr. Bill S. Hansson ML*Jena* |
| 11:25 a.m. | **Recreating the evolution of enzyme catalysis and regulation over several billion years**Prof. Dr. Dorothee Kern ML*Waltham, USA* |
| 11:45 p.m. | **Decoding dynamic regulatory protein-RNA interactions in gene regulation by integrative structural biology**Prof. Dr. Michael Sattler ML *Berlin* |
| 12:05 p.m. | **100 years after the Spanish Flu: Are we ready for the next epidemic?** Prof. Baron Peter Piot ML *London, UK* |
| 12:25 p.m. | **The future of personalized medicine**Prof. Dr. Heyo Kroemer ML*Göttingen* |
| 12:45 p.m. | Lunch break |
| 1:30 p.m. | **CNS-dependent control of metabolism**Prof. Dr. Jens Brüning ML*Cologne* |
| 1:50 p.m. | **Highly efficacious drugs against DNA viruses; The first approved drug: Prevymis against the human Cytomegalovirus**Prof. Dr. Helga Rübsamen-Schaeff ML *Düsseldorf* |
| 2:10 p.m. | **Adoptive T cell therapy**Prof. Dr. Dirk H. Busch ML*Munich* |
| 2:30 p.m. | **mRNA and protein at neuronal synapses**Prof. Dr. Erin Schuman ML*Frankfurt/Main* |
| 2:50 p.m. | **Changing identity: Phosphoinositide conversion in endolysosomal membrane dynamics**Prof. Dr. Volker Haucke ML*Berlin* |
| 3:10 p.m. | Coffee Break |
| 3:30 p.m. | **Repair processes in the neonatal and the adult heart**Prof. Dr. Bernd Fleischmann ML*Bonn* |
| 3:50 p.m. | **How are plants responding to the continuing increase in atmospheric CO2 concentration?**Prof. Dr. Julian Schroeder ML*La Jolla, USA* |
| 4:10 p.m. | **Perspectives of enhancing photosynthesis**Prof. Dr. Dario Leister ML*Planegg-Martinsried* |
| 4:30 p.m. | **Retrograde signaling; a journey to an ancient pathway**Prof. Dr. Katayoon Dehesh ML*Riverside, USA* |
| 4:50 p.m. | **Closing remarks**Prof. Dr. Claus Bartram ML (Secretary of Class II)*Heidelberg* |