



2. Meeting of the Biosciences at Campus Herrenhausen 22.03.2023 in the “Kirchenkanzlei” (4107 – 009)

- 8:45 - 9:00** **Welcome**
- 9:00 - 9:15** **Institute of Botany - AK Franke, Dr. Karan Malhotra** *“Development of a microbial host for functional testing of withanolide pathway genes”*
- 9:15 - 9:30** **Institute of Plant Genetics, - Plant Proteomics Department,**
Cecile Angermann *“The biochemistry of germination in Lupinus albus”*
- 9:30 - 9:45** **Institute of Cell Biology and Biophysics – Cell Biology, Miriam Frommer**
“Investigating hematopoietic stem and progenitor cell adhesion structures”
- 9:45 - 10:00** **Institute of Plant Genetics – Section Plant Biotechnology, Dr. Thomas Reinard** *“Of diatoms and pregnancy tests”*
- 10:00 - 10:30** **Coffee Break**
- 10:30 - 10:45** **Institute of Microbiology - AG Tschowri, Sukanya Bhowmick** *“C-di-AMP signalling in bacterial stress response and multicellular differentiation”*
- 10:45 - 11:00** **Institute of Plant Nutrition – AG Witte, Luisa Voß** *“The flux of fixed nitrogen to ureides in bean nodules”*
- 11:00 - 11:15** **Institute of Microbiology - AG Horn, Tanja Heffner** *“The woodlouse Porcellio scaber as bioengineer: source of hydrogen, microplastic effects and impacts on soil methanotrophic activity”*
- 11:15 - 11:30** **Institute of Horticultural Product Systems – Research Team Woody Plant and Propagation Physiology, David Wamhoff** *“Uncovering causes of genotypic differences in adventitious root formation in roses”*

- 11:30 - 11:45** Institute of Plant Nutrition – AG Herde, Lisa Fischer *“Purifying and balancing: How to safeguard plant nucleotide pools”*
- 11:45 - 12:00** Institute of Microbiology - AG Tschowri, Timo Holdgrewe *“Award Ceremony: ‘GBM-Masterpreis 2022’ ”*
- 12:00 - 13:00** **Lunch Break (self-organized)**
- 13:00 - 13:15** Institute of Horticultural Product Systems – Applied Entomology AG Meyhöfer, Björn Grupe *“Improved monitoring of thrips by the combined use of attractive visual und olfactory cues”*
- 13:15 - 13:30** Institute of Plant Genetics - AG Boch, Dingbo Zhang *“Developing precise genome editing tools for plants”*
- 13:30 - 13:45** Institute of Botany - AG Pfannschmidt, Carolina Cozzi *“The role of PAPs between chloroplast biogenesis and plant development communication under red light”*
- 13:45 - 14:00** Institute of Microbiology - AG Brüser, Michel Schwarzkopf *“Understanding the regulation of phage lysis”*
- 14:00 - 14:15** Institute of Plant Nutrition - AG Witte, Jannis Rinne *“Molecular recycling in plant metabolism: beta-alanine is metabolic waste and precursor in one”*
- 14:15 - 14:30** Institute of Cell Biology and Biophysics - Computational Biology, Dr. Nadin Haase *“Decomposition of ensemble fluorescence signals from translation experiments and simulations”*
- 14:30 - 14:45** Institute of Horticultural Product Systems – Applied Entomology AG Meyhöfer, Anh Vu *“The impact of endophytic fungal colonization in onion on Thrips tabaci behaviour”*
- 14:45 - 15:00** Institute of Microbiology - AG Horn, Tobias Spanner *“Nitrate in groundwater, nitrous oxide in the atmosphere: two problems one solution?”*
- 15:15 - 15:30** Institute of Horticultural Product Systems – Research Team Woody Plant and Propagation Physiology, Hans Lukas Bethge *“Plants in the right spotlight - diversity and fusion of optical sensing methods in plant science”*
- 15:45 - 16:00** **Wrap up and closing remarks**