



Univerzita Palackého  
v Olomouci

# Conference Experimental Biology

## Post- COVID eRra 2021,

OLOMOUC Pevnost Poznání 16. - 17. 9. 2021

### **Programme**



September 16

Centrum experimentální biologie rostlin

CZ.02.1.01/0.0/0.0/16\_019/0000738

**Registration** 11:00 – 12:30

12:30 – 12:40 **Opening**

12:40 – 13:00 **Petr Sabol**: “EXO70E2, nutrition stress and autophagy”

13:00 - 13:20 **Michal Daněk**: "Combination of immunostaining and stereology methods for assessment of endogenous autophagy rate"

13:20 – 13:40 **Veronika Balakhonova**: Dynamics of the chlorophyll biosynthesis as a tool to quantify hormonal regulations.

13:40 – 14:00 **Amel Yamoune**: The role of cytokinin-mediated control over ethylene biosynthesis in the plant growth and development

14:00 – 14:20 **Jan Petrášek/Karel Muller**: “BY-2 cells as a powerful tool to study auxin metabolism”

14:20 – 14:40 **Milada Čovanová**: Auxin metabolism department: managers or servants”

14:40 – 15:00 **Dan Nedvěd**: “Update on transport and metabolism of cytokinins in plant cells”

15:00 – 15:20 **coffe break**

15:20 – 15:45 **Katy Retzer**: “Direct root illumination and sucrose supplementation mask root phenotype”

15:45 – 16: 05 **Martin Černý**: "Plant omics as a tool for elucidating the molecular mechanisms underlying biotic and abiotic interactions"

16:05 – 16:25 **Sylva Přerostová**: “Light regulates the cytokinin-dependent cold stress responses in Arabidopsis”



EVROPSKÁ UNIE  
Evropské strukturální a investiční fondy  
Operační program Výzkum, vývoj a vzdělávání



MINISTERSTVO ŠKOLSTVÍ,  
MLÁDEŽE A TĚLOVÝCHOVY

16:25 – 16:45 **Jan Rezek**: „Scent markers of heat-stressed rice“

16:45 – 17:05 **Helena Štorchová**: „Upstream regulators of FTL1 in *Chenopodium rubrum* revealed by the analysis of the transcriptomic profiles of the floral induction“

17:05 – 17:25 **Lenka Burketová/Nikoleta Rubil**: ““Playground for herbivores/scientists and how to study local immune response in plants”

17:25 – 17:45 **Jitka Kopková**

18:00 -21:00 **DINNER**

### September 17

9:00 – 9:20 **Tetiana Kalachova**: "Snooping around induced resistance: disrupted actin as a booster of immune responses"

9:20 – 9:40 **Helene Robert-Boisivon**: „Effects of long-term high-temperature growth conditions on reproduction and seed development in *Arabidopsis*“

9:40 – 10:00 **Jiří Pospíšil**: „Having fun with natural products“

10:00 – 10:20 **Daniel Chrenko**: "Neolignans: powerful plant secondary metabolites"

10:20 – 10:40 **Roman Iakovenko**: "Gibberellins: the beauty and the beasts of synthetic chemistry"

10:40 – 10:55 **Tomáš Moravec**: “Sensitive one-step RT-PCR detection of RNA viruses in plant extracts“

10:55 – 11:20 **coffe break**

11:20 – 11:35 **Zbyněk Zdráhal/ Ondrej Šedo**: „SP3 protocol for plant sample preparation“

11:35 – 11:55 **Kamil Růžička/Ksenia Timofeyenko**: „Conservation of alternative splicing in plants - insights provided by machine learning algorithms“

11:55 – 12:20 **Miloslav Juříček / Dimitrij Tyč**:: „Scab Resistant Apple Breeding Supported by Basic Research“

12:20 – 12:40 **Said Hafidh**: „"Reprogramming by LARP6C for directional tip growth"

12:40 – 13:00 **Vinod Kumar**: „Structural dissection of eIF3E protein turnover in moderating pollen tubes translatoe“

13:00 – 13:20 **Alena Náprstková**: „Characterization of ALBA family proteins in *A. thaliana*“

13:20 – 13:30 **Concluding remarks**



EVROPSKÁ UNIE  
Evropské strukturální a investiční fondy  
Operační program Výzkum, vývoj a vzdělávání



MINISTERSTVO ŠKOLSTVÍ,  
MLÁDEŽE A TĚLOVÝCHOVY