



Training school “*Galleria mellonella* in biofilm research”
11th – 14th September 2023, Bratislava, Slovakia



Day-by-day Program

11th September, Monday

- 9:00 – 9:15** Welcome and opening words (Helena Bujdáková, the chair of the training school)
- 9:15 – 9:45** **Maria Luísa Jordão:** Mixed biofilms and Infection
- 9:45 – 10:15** **Elisa Borghi:** *Galleria mellonella* as an *in vivo* model for infectious and non-communicable diseases
- 10:15 – 10:45** **Eduard Torrents Serra:** *Galleria mellonella* larvae: An effective model for studying bacterial infections and nanotoxicology
- 10:45 – 11:10** Coffee break
- 11:10 – 11:30** Group photo
- 11:30 – 12:00** **Joanna Nakonieczna:** Photodynamic inactivation of ESCAPE pathogens: *in vitro* and *in vivo* studies (online)
- 12:00 – 13:50** Lunch and coffee
- 14:00 – 14:30** **Juliana Campos Junqueira:** Exploring the *Galleria mellonella* model to study antimicrobial photodynamic therapy (online)
- 14:30 - 16:30** Theoretical preparation for practical training
Practical training: Preparation of biofilms *in vitro*

12th September, Tuesday

- 9:00 – 13:00** Practical training: Treatment of *G. mellonella* infected with *S. aureus* by PDI
- 13:00 – 14:30** Lunch and coffee
- 14:30 – 16:00** Practical training: *In vitro* preparation of mixed biofilms (*C. albicans*/*S. aureus*)
- 18:30** Dinner (Social Event)

13th September, Wednesday

- 9:00 – 13:00** Practical training: PDI of mixed biofilms *in vitro*
- 13:00 – 14:30** Lunch and coffee
- 14:30 – 15:30** **Juraj Bujdák and Marek Pribus:** Spectroscopy in biological research
Practical: UV-Vis spectroscopy in preparation of photoactive molecules
- 15:30 – 16:30** Practical training: Control of larvae survival



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14th September, Thursday

- 9:00 – 12:30** Practical training: Isolation of RNA from *G. mellonella* larvae
Evaluation of mixed biofilms
- 12:30 – 14:00** Lunch and coffee
- 14:00 – 16:30** Practical training: Microscopy of mixed biofilms
- 16:30 – 16:45** Closing words

Practical training was done by Helena Bujdáková in cooperation with Samuel Kendra, Katarína Bilská, Jarmila Czucz Varga, Larysa Bugyna, and Jaroslava Dekkerová.