

# Course Advances in Microbiology 2022

Program kursu Pokroky v mikrobiologii 2022

3.11.2022

kinosál / Lecture Hall FgÚ AV ČR, Areál AV ČR, Praha 4-Krč, Vídeňská 1083

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9:00 Opening

9:00 The importance of taxonomy - how to distinguish species and why it is useful  
(*František Sklenář*)

9:45 The gut-brain axis: interactions between microbiota and nervous systems  
(*Petra Procházková*)

10:30 Analysis of small molecules in microbiology, ecotoxicology,  
and environmental biotechnology (*Jaroslav Semerád*)

11:15 – 12:00 coffee / lunch break

12:00 Microbial community analysis using high-throughput sequencing  
(*Tomáš Větrovský*)

12:45 Analysis of microbiota at the IMB Cytometry and Microscopy Core Facility  
(*Jan Svoboda*)

13:30 High resolution SEM and X-ray microanalysis – Applications in the selected  
scientific projects of the IMIC (*Oldřich Benada*)

<https://www.biomed.cas.cz/mbu/gabriel/pokroky/kurs.htm>

*The course is primarily intended for PhD students in the field of Microbiology and similar, but the lectures are open to all the interested. Kurs je primárně určen PhD studentům oboru Mikrobiologie a příbuzným, ale přednášky jsou volně přístupné pro všechny zájemce.*

**Registration via e-mail to [gabriel@biomed.cas.cz](mailto:gabriel@biomed.cas.cz) or via SIS. Lectures are in English.**

Small refreshment for registered participants available.

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Organized by Czechoslovak Society for Microbiology, Institute of Microbiology CAS  
and Faculty of Science Charles University (The Doctoral Study Programme Microbiology)

