

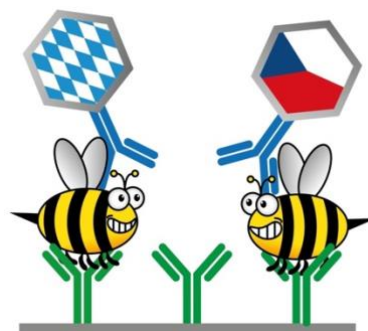
## Sensitive bioanalytical tools for the surveillance of honey bee diseases

### Joint workshop:

**University of Regensburg**  
**CEITEC Masaryk University**  
**IMC Czech Academy of Sciences**  
**IACH Czech Academy of Sciences**

**Friday, 16.10.2020, 9.00 – 12.00**

Virtual workshop chaired by Hans H. Gorris via Zoom  
(the Zoom link will be sent to all participants 15 min before the workshop via e-mail)



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- 9.00 Welcome / Introduction  
Hans H. Gorris (UR)
- 9.10 Overview of research at CEITEC MU  
Petr Skládal (CEITEC MU)
- 9.30 Upconversion immunoassays for honeybee pathogens: Progress of joint research project  
Zdeněk Farka (CEITEC MU)
- 9.50 Upconversion-linked immunoassays for mycotoxin detection  
Hans H. Gorris
- 10.10 Break / discussions
- 10.30 Sensitive detection of human cardiac troponin using photon-upconversion nanoparticles  
Julian Brandmeier (UR)
- 10.50 Photon-upconversion barcoding for monitoring enzymatic reactions with fluorescence reporters  
Antonín Hlaváček (IACH CAS)
- 11.10 Surface-engineered upconversion nanoparticles for bioassays  
Daniel Horák (IMC CAS)
- 11.30 Discussions on future research
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