

Joint CEITEC MU, IMC CAS and UR Workshop

Upconversion Immunoassays for the Diagnosis of Bee Diseases

SPEAKERS:

CEITEC MU

Zdeněk Farka, Zuzana Mikušová, Matěj Pastucha, Petr Skládal

IMC CAS

Daniel Horák, Uliana Kostiv

UR

Hans H. Gorris, Matthias J. Mickert

IACH CAS

Antonín Hlaváček

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WEDNESDAY 18:00

11. 9. 2019

Monte Bú Restaurant, Údolní
532/76, Brno

THURSDAY 10:00

12. 9. 2019

Seminar room 211, building A35
CEITEC MU, Kamenice 5, Brno

Time Schedule

Wednesday 11. 9. 2019

Monte Bú Restaurant, Údolní 532/76, Brno

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| 18:00 – 22:00 | Informal welcome dinner |
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Thursday 12. 9. 2019

Seminar room A35/211, CEITEC MU, Kamenice 5, Brno

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| 9:00 – 10:00 | Registration |
| 10:00 – 10:20 | Welcome address, presentation of research at CEITEC MU Petr Skládal |
| 10:20 – 10:40 | Single molecule immunoassays: A promise of ultrasensitivity? Hans H. Gorris |
| 10:40 – 11:00 | Coffee break |
| 11:00 – 11:20 | Recent progress in upconversion immunoassays for diagnosis of bee disease Matěj Pastucha |
| 11:20 – 11:40 | Amperometric immunosensor for rapid detection of honeybee pathogen <i>Melissococcus plutonius</i> Zuzana Mikušová |
| 11:40 – 11:50 | Group photo |
| 12:00 – 13:30 | Lunch (Campus River Restaurant) |
| 13:30 – 13:50 | Multiplexed upconversion immunoassay for bee pathogens: Goals of joint research project Zdeněk Farka |
| 13:50 – 14:10 | Surface-engineered upconversion nanoparticles for biomedicine Uliana Kostiv |
| 14:10 – 14:30 | Coffee break |

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| 14:30 - 14:50 | Photon-upconversion luminescence nanoparticles and droplet microfluidics Antonín Hlaváček |
| 14:50 – 15:10 | Photon upconversion nanoparticles as a label for the detection of cancer biomarkers in immunocytochemistry Matthias J. Mickert |
| 15:10 – 15:30 | Coffee break |
| 15:30 – 16:00 | Excursion to CEITEC MU facilities |
| 16:00 – 17:00 | Round table discussion |
| 18:00 – 22:00 | Dinner (Campus River Restaurant) |