

Czech Academy of Sciences (CAS) | Industrial Technology Research Institute (ITRI)

## Biomedical & Biotechnology Research Seminar

**20 November 2018 | 09:00 – 12:35 | BIOCEV (Průmyslová 595, Vestec)**

- 09:00 – 09:05** Welcoming address, RNDr. Hana Sychrová, DrSc., President of the Council for International Affairs of the CAS
- 09:05 – 09:15** Introduction of BIOCEV, doc. RNDr. Jana Pěkníková, CSc., Director, Institute of Biotechnology of the CAS, and Mgr. Petr Solil, Head of Communications and Spokesperson, BIOCEV
- 09:15 – 09:35** Dr. Eric Y. Chuang, BDL, ITRI  
*Introduction of Biomedical Technology and Device Research Laboratories (BDL)*  
(15 + 5 min)
- 09:35 – 09:55** Prof. RNDr. Tomáš Cajthaml, Ph.D., Institute of Microbiology of the CAS  
*Environmental biotechnology – development of bioremediation methods for the environment* (15 + 5 min)
- 09:55 – 10:15** Dr. Eric Y. Chuang, BDL, ITRI  
*Big Data Analysis for Genomic Research* (15 + 5 min)
- 10:15 – 10:35** RNDr. Tomáš Etrych, DSc., Institute of Macromolecular Chemistry of the CAS  
*Hydrophilic polymers as precursors of efficient nanotherapeutics* (15 + 5 min)
- 10:35 – 11:00** *Coffee break*
- 11:00 – 11:20** Dr. Hsin-Hsin Shen, BDL, ITRI  
*Regenerative medicine technology in ITRI – Cell Therapy* (15 + 5 min)
- 11:20 – 11:35** MSc. Markéta Bačáková, Ph.D., Institute of Physiology of the CAS  
*Novel approaches to skin tissue engineering based on cells and biodegradable polymers* (10 + 5 min)
- 11:35 – 11:50** MSc. Roman Matějka, Ph.D., Institute of Physiology of the CAS  
*Novel dynamic systems for cardiovascular tissue engineering based on decellularized matrices* (10 + 5 min)
- 11:50 – 12:10** Dr. Yuchi Wang, BDL, ITRI  
*Regenerative medicine technology in ITRI – Implantable Tissue Repair Device*  
(15 + 5 min)
- 12:10 – 12:30** doc. Ing. Bohdan Schneider, CSc., Institute of Biotechnology of the CAS  
*Protein engineering at the Institute of Biotechnology of the Czech Academy of Sciences* (15 + 5 min)
- 12:30 – 12:35** Closing remarks, RNDr. Hana Sychrová, DrSc.