

# SCHEDULE OF LECTURES

## INSTITUTE OF PHYSIOLOGY CAS

SPRING 2017

- 20. 3. Muscarinic receptors: A story on xanomeline**  
Speaker: **Mgr. Jan Jakubík, PhD.**,  
Department of Neurochemistry, IPHYS
- 27. 3. The role of bile acids in metabolic regulation**  
Speaker: **Prof. MUDr. Libor Vitek, PhD.**,  
VFN and First Faculty of Medicine, Charles University
- 3. 4. Metabolic effects of novel lipid forms of n-3 fatty acids**  
Speaker: **MUDr. Martin Rossmeisl, PhD.**,  
Department of Adipose Tissue Biology, IPHYS
- 10. 4. Mechanisms of cellular and metabolic plasticity in adipose tissues**  
Speaker: **Prof. James Granneman**,  
Center for Integrative Metabolic and Endocrine Research (CIMER), Detroit, USA
- 12. 4. Spánek, zdraví a biologické hodiny**  
Speaker: **Dr. Alena Sumová and Prof. Soňa Nevšimalová**  
*Location: Czech Academy of Sciences, Národní 3,  
Starting at 5 PM*
- 20. 4. Seminář společného preklinického a klinického výzkumu v IKEM a FGÚ**  
*Starting at 1 PM*
- 24. 4. Gait and Cognition**  
Speaker: **Prof. MUDr. Evžen Růžička, DrSc.**,  
VFN and First Faculty of Medicine, Charles University
- 15. 5. Hemodynamic response to gabapentin: the role of sympathetic nervous system**  
Speaker: **Mgr. Michal Behuliak, PhD.**,  
Department of Experimental Hypertension, IPHYS
- 22. 5. Are flavonoids antioxidants or receptor-binding ligands?**  
Speaker: **Prof. Vladimír Křen, DrSc.**,  
Institute of Microbiology CAS
- 29. 5. Janus face“ of zeolites - are they perspective or dangerous materials for biomedical applications?**  
Speaker: **RNDr. Marta Vandrovcová, PhD.**,  
Department of Biomaterials and Tissue Engineering, IPHYS
- 5. 6. Pathophysiological Role of Mitochondrial Oxidative Stress: Regulation and Pharmacological Targeting**  
Speaker: **Prof. Sergey Dikalov**,  
Free Radicals in Medicine Core (FRIMCORE),  
Vanderbilt Medical Center, Nashville, USA
- 12. 6. Structural biology as a powerful tool in studying protein function regulation**  
Speaker: **RNDr. Veronika Obšilová, PhD.**  
/RNDr. Miroslava Alblová, PhD.,  
Department of Protein Structures, IPHYS
- 19. 6. As Time Glows By: Circadian Rhythms from Cyanobacteria to Humans**  
Speaker: **Prof. Carl Johnson**,  
Vanderbilt University, USA
- 26. 6. Towards the pathological mechanisms of mitochondrial diseases**  
Speaker: **RNDr. Tomáš Mráček, PhD.**,  
Department of Bioenergetics, IPHYS

UNLESS OTHERWISE STATED, THE LECTURES ARE HELD AT 15:00 IN THE LECTURE HALL OF INSTITUTE OF PHYSIOLOGY CAS, VIDENSKA 1083, PRAHA 4 – KRC.

All lectures are in English, except for the public lecture on April 12th and the seminar on April 20th.  
The lectures are followed by refreshments and opportunity to meet with the institute's scientists.

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