

SCHEDULE OF LECTURES

INSTITUTE OF PHYSIOLOGY CAS

AUTUMN 2016

- 15. 9. Gene therapy in epilepsy - from bench to bedside**
Speaker: Prof. Matthew Walker, UC London, UK
- 26. 9. Biophysical mechanisms in axon growth and bundling**
Speaker: RNDr. Martin Zápotocký, Ph.D.,
Department of Computational Neuroscience, IPHYS
- 3. 10. Structural and functional dynamics of NhaA and Na⁺/H⁺ antiporter essential for homeostasis of Na⁺ and H⁺ in cells**
Speaker: Prof. Etana Padan, The Hebrew University of Jerusalem, Israel
- 5. 10. Vrozené vady srdce - úspěchy a výzvy**
Speaker: David Sedmera, IPHYS a Jan Janoušek,
Dětské kardiocentrum 2. LF UK a FN Motol
*Location: Czech Academy of Sciences, Národní 3,
Starting at 5 PM*
- 10. 10. Current trends and challenges in metabolomics**
Speaker: doc. Ing. Tomáš Čajka, Ph.D.,
Genome Center, University of California, Davis, USA
- 21. 10. BUREŠOVA PŘEDNÁŠKA**
The multifaceted roles of adipose tissue: therapeutic targets for diabetes, cancer and beyond
Speaker: Prof. Philipp Scherer, The University of Texas Southwestern Medical Center, USA
*Location: Milan Hasek Auditorium, IMG building,
Vítěňská 1083, Starting at 2 PM*
- 24. 10. CRMP2 isoforms in neural development and neurodegeneration**
Speaker: Mgr. Martin Balašík, Ph.D.,
Department of Molecular Neurobiology, IPHYS
- 7. 11. Mitochondrial physiology and 3D superresolution microscopy**
Speaker: RNDr. Petr Ježek, DrSc.,
Department of Mitochondrial Physiology, IPHYS
- 21. 11. The role of C-reactive protein in the pathogenesis of metabolic and cardiac traits**
Speaker: Ing. Jan Šilhavý, Ph.D.,
Department of Genetics of Model Diseases, IPHYS
- 5. 12. Epoxyeicosatrienoic acids and their therapeutic potential for ischemic heart**
Speaker: RNDr. Jan Neckář, Ph.D.,
Department of Developmental Cardiology, IPHYS
- 19. 12. What hides in the depths of our hearts? Ontogenesis and phylogenesis of the cardiac conduction system**
Speaker: prof. MUDr. David Sedmera, DSc.,
Department of Cardiovascular Morphogenesis, IPHYS



The Czech Academy
of Sciences

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 October 5th.

The lectures are followed by refreshments and opportunity to meet with the institute's scientists.

MORE INFORMATION AND THE POSSIBILITY TO SUBSCRIBE TO THE INSTITUTE'S EVENT ANNOUNCEMENTS CAN BE FOUND AT WWW.FGU.CAS.CZ.