



Opening course for 1st year PhD students

16. 10. 2017

Biomatematika building

- 8.45 – 9.00 Introduction (Dr. Kopecký)
9.00 – 10.00 History lesson (prof. Illnerová)
10.00 – 10.15 PhD programme (Dr. Horák) + *coffee break*

Visits

- 10.15 – 10.45 Analysis of Biologically Important Compounds (prof. Mikšík)
10.45 – 11.15 Library (Dr. Lisková)
11.15 – 11.45 Animal Facility (Dr. Bílková)
11.45 – 12.15 Biomathematics (Dr. Janáček)

12.15 – 13.00 lunch

- 13.00 – 13.15 Introduction - **NEUROBIOLOGY** (Dr. Balík) – **Biomatematika building**
13.15 - 14.15 Functional Morphology (Dr. Paleček)
Neurochemistry (Dr. Jakubík)
14.15 - 15.15 Neurohumoral Regulations (Dr. Sumová)
Cellular and Molecular Neuroendocrinology (Dr. Zemková)
15.15 - 16.15 Cellular Neurophysiology (Prof. Vyklický)
Neurophysiology of Memory (Prof. Stuchlík)

16.15 – 16.30 coffee break

- 16.30 – 17.30 Developmental Epileptology (doc. Kubová)
Molecular Neurobiology (Dr. Balaštík)
17.30 – 18.00 Computational Neuroscience (Dr. Košťál)

18:00 Discussion

17. 10. 2017

09.00 – 09.15 Introduction - **CARDIOVASCULAR PHYSIOLOGY** (Dr. Behuliak/Mgr. Bencze) –

Biomatematika building

09.15 – 09.30 coffee break

09.30 – 10.30 Experimental Hypertension (Dr. Vaněčková)

Developmental Cardiology (prof. Kolář)

10.30 – 11.30 Genetics of Model Diseases (Dr. Pravenec)

11.30 – 12.30 lunch

12.30 – 12.45 Introduction - **METABOLISM** (Dr. Horakova) – Biomatematika building

12.45 – 13.15 Bioenergetics (Dr. Mráček, Mgr. Kovalčíková)

13.15 – 13.45 coffee break

13.45 – 14.45 Biomaterials and Tissue Engineering (Dr. Filová)

Membrane Transport (Dr. Sychrová)

14.45 – 15.45 Adipose Tissue Biology (Dr. Rossmeisl)

Epithelial Physiology (prof. Pácha)

15.45 – 16.45 Mitochondrial Physiology (Dr. Ježek)

17:00 Discussion