

Institute of Experimental Medicine, Czech Academy of Sciences, v.v.i.

4 April 2017

Practical Workshop:

“Human stem cells derived astrocytes as a new platform for studying neurological disorders”

Organizers:

*Miroslava Anděrová, Institute of Experimental Medicine, ASCR
Alexei Verkhratsky, The University of Manchester*

Location:

“Bordeaux” seminar room, 2nd floor LB building

PROGRAM

Monday, April 3, 2017

Getting together meeting (19.00, Hergertova Cihelna,

Link: <http://www.kampagroup.com/cz/restaurace/hergetova-cihelna/>)

Tuesday, April 4, 2017

09.30 – 9.40 Opening and introduction (Miroslava Anděrová/Alexei Verkhratsky)

09.40 – 10.05 Miroslava Anderova (Institute of Experimental medicine, ASCR)

“Reactive astrocytes heterogeneity”

10.05 – 10.30 Daniela Rossi (Laboratory for Research on Neurodegenerative Disorders)

“Deciphering the astrocytic response in Amyotrophic Lateral Sclerosis”

10.30 – 10.55 Alexej Verkhratsky (University of Manchester)

Astroglial atrophy in Alzheimer's disease: from animal models to humans

10.55 – 11.20 Coffee Break

11.20 – 11.45 Serhiy Forostyak (Institute of Experimental medicine, ASCR)

“Neuroprotective and neurorestorative effects of stem cells application in ALS”

11.45 – 12.10 Govindan Dayanithi (Institute of Experimental medicine, ASCR)

“Physiopathology of Ca-signals, ion channels and receptors in the neural progenitors derived from stem cells of different origin during differentiation toward mature neural cells”

12.10 – 12.35 Slaven Erceg

“Magic synergism of astrogliosis and stem cells in regeneration of injured spinal cord”

12.35 – 14.00 Lunch (Hostinec ve mlýně)

14.05 – 14.30 Alexey Semyanov

"Astrocytic response in pilocarpine model of epilepsy"

14.30 – 14.55 Robert Zorec (Laboratory of Neuroendocrinology-Molecular Cell Physiology, University of Ljubljana)

“Astroglial vesicle dynamics in neurodevelopmental and neurodegenerative disorders”

14.55 – 15.15 Coffee Break

15.15– 17.00 Roundtable discussion

19.00 – 22.00 Dinner (Klášterní Šenk, link: <http://www.klasternisenk.cz/en/>)