



Application of neural stem cells and mouse models in neuroscience

Practical course and workshop

02.10. - 05.10.2013.

Croatian Institute for Brain Research, School of Medicine, University of Zagreb,

Šalata 12, Hr-10000 Zagreb, Croatia

Supported by:

The International Centre for Genetic Engineering and Biotechnology

Central European Initiative

Local organizer and Workshop coordinator:



HRVATSKI
INSTITUT ZA
ISTRAŽIVANJE
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CROATIAN
INSTITUTE
FOR BRAIN
RESEARCH



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PROGRAMME:

02.10.2013. Wednesday

0830 – 0930 Registration – welcome snack

0930 – 1030 Mitrecic: Application of stem cells in brain diseases: current concepts and perspectives

1030 – 1130 Buratti: Neurogenetics of neurodegenerative diseases

1130 - 1200 Coffee break

12 00 – 1300 Krsnik: Development of human cortex in health and disease

1300 – 1500 Lunch (Campus cantina)

1500 – 1700 Short participant presentations

1700 – 1830 CIBR and campus walking tour

2000 - ... Pizza party at the Institute

03.10.2013. Thursday

0830 - 0930 Nicaise: Stem cells in neural injury

0930 – 1030 Bosnakovski: Mouse models and genetics of myogenic stem cells

1030 – 1100 Coffee break

Practicals

1100 - 1400

A: Isolation, cultivation and differentiation of stem cells (Kosi, Brkic)

B: MCAO mouse model (Gorup, Renic)

C: Transplantation of stem cells using stereotaxy (Alic, Ferhatovic)

D: Bioluminescence in neuroscience applications (Polsek, Curlin)

1400 – 1500 Lunch (Campus cantina)

1500 - 1530 Andjus: Imaging studies of molecular and cellular markers of neurodegenerative processes in animal models

1530 – 1600 Anand: Frontiers in Ocular Neurobiology and Neuroscience communication in India

1600 – 1900

A: Bioluminescence in neuroscience applications (Polsek, Curlin)

B: Isolation, cultivation and differentiation of stem cells (Kosi, Brkic)

C: MCAO mouse model (Gorup, Renic)

D: Transplantation of stem cells using stereotaxy (Alic, Ferhatovic)

Free evening

04.10.2013 Friday

Practicals

0900 – 1200

A: Transplantation of stem cells using stereotaxy (Alic, Ferhatovic)

B: Bioluminescence in neuroscience applications (Polsek, Curlin)

C: Isolation, cultivation and differentiation of stem cells (Kosi, Brkic)

D: MCAO mouse model (Gorup, Renic)

1200 – 1400 Lunch (Campus cantina)

1400 - 1700

A: MCAO mouse model (Gorup, Renic)

B: Transplantation of stem cells using stereotaxy (Alic, Ferhatovic)

C: Bioluminescence in neuroscience applications (Polsek, Curlin)

D: Isolation, cultivation and differentiation of stem cells (Kosi, Brkic)

05.10.2013 Saturday

09 – 12 Round tables with workshop topics selected by participants.

12 – 18 Tourist tour