



Annual Scientific Trainings (AST)

AGENDA

28-29 November 2013

VENUE: Agricultural Biotechnology Center, Gödöllő, Szent- Györgyi Albert u. 4

State-of-the-art cellular methods training

Thursday, 28 November

Morning section:

- 09:00 – 09:30 *Julianna Kobolák:* Basics of stem cell biology different types of pluripotent cells: naïve and primed pluripotency
- 09:30 – 10:00 *Balázs Sarkadi & Ágota Apáti:* Human embryonic stem cells
- 10:00 – 10:30 *Pawan Singh:* Specialized Media and Tools for Blood and Pluripotent Stem Cells (STEMCELL Technologies)

15 min break (refreshment, coffee)

- 11:00 – 11:30 *Julianna Kobolák:* Cellular reprogramming
- 11:30 – 12:00 *Anita Fehér:* Gene targeting and transgenic techniques: knock-in, knock-out, knock-down, transgenesis with different vectors
- 12:00 – 12:30 *Lázár Bence:* Chicken PGC cells and potential usage of cultured chicken PGCs

12:30 – 14.00 lunch time

Afternoon section:

- 14:00 – 14:30 *Elen Gócza:* Rabbit embryonic stem cells and naive-like conversion of rabbit ES and iPS cells
- 14:30 – 15:00 *László Homolya:* Differentiation of pluripotent stem cells toward the hepatic lineage
- 15:00 – 15:30 *Csilla Nemes:* Cardiac stem cells

15 min break (refreshment, coffee)

- 15:45 – 16:00 *Sara Santos Franco:* The cancer stem cell theory: what might the “Cancer Stem Cell niche” mean?
- 16:00 – 16:30 *Hadas Raveh-Amit:* Epiblast stem cells (EpiSC): new tools and possibilities
- 16:30 – 17:00 Discussion

This project is funded by
the European commission under FP7
Project number 317146





iPS cell technology training

Friday, 29 November

Morning section:

- 09:00 – 09:45 *Csilla Nemes*: iPS cells – a review
09:45 – 10:30 *Eszter Varga*: How are iPS cells generated?
10:30 – 11:00 *Alberto Miranda Bedate*: Chemically Induced Pluripotent Stem Cells: a promising technology in the iPS field

15 min break (refreshment, coffee)

- 11:15 – 11:45 *Sára Berzsenyi*: iPS cell differentiation towards neurons
11:45 – 12:15 *Hadas Raveh-Amit*: EMT - the Epithelial Mesenchymal Transition
12:15 – 12:30 *Csilla Nemes*: Discussion

12:30 – 14.00 lunch time

Afternoon section:

- 14:00 – 15:00 *Csilla Nemes & Eszter Varga*: iPS cell generation from blood and fibroblasts – technical advices
15:00 – 17:00 Practical course
17:00 – 17:20 Final discussion

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