

## ZNANSTVENO SREČANJE »Stem Cells Plasticity«\*

**KDAJ?** 20.06. 2014 ob 8:15

**KJE?** Biotehniška fakulteta, Jamnikarjeva 101, D1 (dekanat; poleg oddelka za Živilstvo)

Prosim vas, da morebitno **odsotnost na konferenci javite** do četrтка 19.06. do 12:00 na [ajda.maric@gmail.com](mailto:ajda.maric@gmail.com) ali [miha.modic@helmholtz-muenchen.de](mailto:miha.modic@helmholtz-muenchen.de).

### PROGRAM »Stem Cells Plasticity«\*

8:15 – 8:55

Registration

9.00 – 9.15

Opening remarks (Micha Drukker, Miha Modic in Janko Kos)

#### Introduction to the conference

9.15 – 9.40

Stem cell research overview (**Micha Drukker**, Helmholtz Center Munich, German Research Center for Health and Environment)

#### SECTION 1: Biology of pluripotent stem cells (session chairs **Miha Modic, Stefan Stricker**)

9.40 – 10.05

Why pluripotent stem cells do their own thing: how endogenous growth factors influence self renewal and differentiation (**Derk ten Berge**, Erasmus Medical Center, Rotterdam)

10.05 – 10.30

Setting up the foundations of the body, building the egg cylinder (**Ivan Bedzhov**, Cambridge University)

10.30 – 10.55

Network Plasticity of Pluripotency Transcription Factors in Embryonic Stem Cells (**Carsten Marr**, Helmholtz Center Munich and Technical University Munich)

10.55 - 11.15

**COFFEE BREAK**

#### SECTION 2: Post-transcriptional regulation of cell fate decision (session chairs: **Christian Krendl, Carsten Marr**)

11:15 – 11:35

Defining the RNA binding protein landscape that governs exit from pluripotency (**Miha Modic**, Max Planck Institute of Biochemistry and Helmholtz Center Munich)

11:35 – 11:45

Single-molecule FISH analysis reveals structural organization of early germ plasm components (**Markus Grosch**, New York University)

11:45 – 12:05

Integration of datasets for analysis of protein-RNA interactions (**Tomaž Curk**, University of Ljubljana)

12:05 – 12:25 Consequences of the hexanucleotide repeat expansion in C9orf72 (**Boris Rogelj**, Institute Josef Stefan and University of Ljubljana)

**12:25 – 13:15 LUNCH BREAK**

### **SECTION 3: Epigenetic regulation of stem cell development and differentiation (session chairs Dmitry Shaposhnikov, Derk ten Berge)**

13:20 – 13:55 How things stay the same, and how they change: Epigenetic memory and switching in the Polycomb/Trithorax system (**Leonie Ringrose**, IMBA Austrian Academy of Science)

13:55 – 14:20 Mechanisms and implications of developmental plasticity (**Yoav Soen**, Weizmann Institute Israel)

14:20 – 14:35 Chromatin modifiers in pluripotent stem cell differentiation and developmental disorders (**Friederike Matheus**, Helmholtz Center Munich)

14:35 – 14:55 Epigenetic reprogramming of brain cancer stem cells (**Stefan Stricker**, University College London)

14:55 – 15:10 Comparison of the epigenetic landscape of hPSC and their progenitors (**Christian Krendl**, Helmholtz Center Munich)

**15.10 – 15.30 BREAK**

### **SECTION 4: Pluripotent stem cell derivation and application (session chairs Friederike Matheus, Micha Drukker)**

15:30 – 15:50 Stem cells in the ruminant mammary gland (**Peter Dovč**, University of Ljubljana)

15:50 - 16:05 Pluripotent/Multipotent stem cells from adult human ovaries: Importance for reproductive medicine (**Irma Virant Klun**, University of Ljubljana and University Medical Center Ljubljana)

16:05 – 16:25 Mechanisms and models of somatic cell reprogramming (**Anna Pertek with Ejona Rusha**, Helmholtz Center Munich)

16:25 – 16:45 The evaluation of differentiation ability of human iPS cell (**Ohnuki Mari**, Kyoto University Japan)

16:45 – 17:05 (**Dmitry Shaposhnikov**, Helmholtz Center Munich with **Valentyna Rishko**, Helmholtz Center Munich and Ludwig-Maximilians-Universität)

17:05 – 17:25 Clinical application of stem cell therapy in heart failure patients (**Bojan Vrtovec**, University Medical Center Ljubljana and Stanford University)

**17:25 - 17:45 COFFEE BREAK**

## SECTION 5: T cell plasticity (session chair: Florian Opperer, Boris Rogelj)

17:45 – 18:00 **Elke Glasmacher**, Helmholtz Center Munich

18:00 – 18:15 **Johannes Lichti**, Helmholtz Center Munich

18:15 – 18:30 **Christian Gallus**, Helmholtz Center Munich

Final words: Micha Drukker

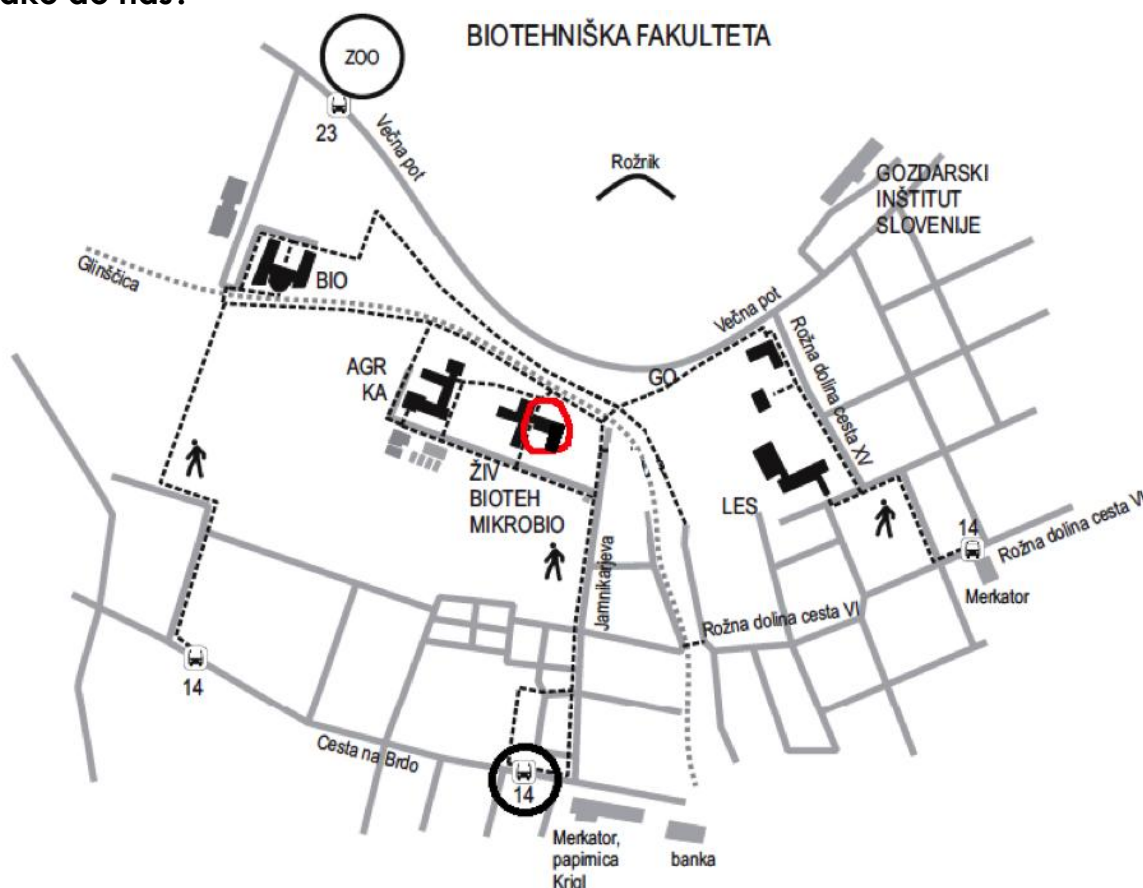
Več o konferenci si lahko preberete na:

<http://cellomix.com/conference2014/program.html>

Za več informacij lahko kontaktirate Ajdo ([ajda.maric@gmail.com](mailto:ajda.maric@gmail.com)) ali Miha ([miha.modic@helmholtz-muenchen](mailto:miha.modic@helmholtz-muenchen))

\*Konferenca poteka v angleškem jeziku.

## Kako do nas?



**Za sodelovanje in podporo se zahvaljujemo sponzorjem in podpornikom!**

**Zlati sponzorji:**



**Srebrni sponzorji:**



**Bronasti sponzorji:**



**Podpornik:**



**Hrana in pijača:**

