

August 23—24, 2010

Small Physics Lecture Room, Peterlin's Pavilion,
Jadranska 26, Ljubljana

**Understanding cell
communication using modern
microelectronics**

Monday, 23 August

- 14.00 **Symposium opens**
14.30 **Stuart Tobet and Tom Chen:**
Overview of Biosensor Research at Colorado State University (CSU)
15.30 *Coffee break*
16.00 **Gregor Majdic** (Veterinary faculty, University of Ljubljana): "Steroidogenic factor 1 knockout mice as a model for studying hypothalamic development"
16.30 **Krystle Frahm** (GK-12 Fellow, CSU): "Blood vessels in brain development"
17.00 **Matt Stratton** (GK-12 Fellow, CSU): "Forming a cell group in developing brain"
17.30 **Tomaz Budefeld** (Veterinary faculty, University of Ljubljana): "Hormone independent sex differences in steroidogenic factor 1 knockout mice"

Tuesday, 24 August

- 9.00 **Drago Strle** (Faculty of Electrical Engineering, University of Ljubljana):
Title to be announced
Matt Duwe (GK-12 Fellow, CSU): "Challenges of designing analog front-end and back-end DSP components for the CHIP project"
Samo Hocevar (National Institute of Chemistry): Title to be announced
10.00 *Coffee break*
10.30 **Steve Benoit** (GK-12 Fellow, CSU): "Mathematical modeling biological events and cell-cell communication"
Ana Hocevar (Faculty of mathematics and physics, University of Ljubljana):
"Models of simple cell aggregates"
Tanja Spanic (Veterinary faculty, University of Ljubljana): "Transcriptome analysis of brain from Steroidogenic factor 1 knockout mice"
11.30 *Lunch*
12.30 **Katerina Ceh** (Veterinary faculty, University of Ljubljana): "Pesticides as endocrine disruptors"
Jasmina Kerckmar (Veterinary faculty, University of Ljubljana): "Social recognition during puberty affects social behavior in adult mice"
Neza Grgurevic (Veterinary faculty, University of Ljubljana): Behavioral characterization of steroidogenic factor-1 knockout mice
Marko Zivin (Medical Faculty, University of Ljubljana): Characterization of dopaminergic mechanisms of a novel antiaddictive drug.
14.00 *Coffee break*
14.30 **Panel Session: Tom Chen, Stu Tobet, Gregor Majdic, Drago Strle, Ana Hocevar:** *Creating a truly interdisciplinary research program across national borders - Further collaborations between Colorado State University and University of Ljubljana*
15.30 **Adjourn**

Univerza v Ljubljani



GK-12 Program
A Multi-Disciplinary
Research and Teaching
Program in Biomedical
Engineering for
Discovery and
Understanding of Cell
Communication

For further information
contact: **Dr. Tom Chen**,
chen@engr.colostate.edu
or **Dr. Gregor Majdič**,
Gregor.Majdic@vf.uni-lj.si

