

Nikola Škreb Symposium: „New platforms in developmental biology- towards the clinical application“

November 29th-30th, School of Medicine, University of Zagreb, Zagreb, Croatia

Organizing Committee: **F. Bulić-Jakuš, D. Solter, D. Ježek**

University of Zagreb, School of Medicine, Department of Medical Biology, Zagreb, Croatia

Centre of Excellence for Reproductive and Regenerative Medicine, School of Medicine, University of Zagreb, Zagreb, Croatia

Thursday, November 29th, 2018. Čačković Hall

10.00.-10.30.

Davor Ježek, Vicedean, School of Medicine University of Zagreb, Croatia

Floriana Bulić-Jakuš, Head, Department of Medical Biology, School of Medicine University of Zagreb, Croatia

„Our teacher Nikola Škreb“

10.30.-11.15.

Davor Solter, Emeritus Max Planck Director, Germany; School of Medicine University of Zagreb, Croatia

„Epigenetic mechanisms controlling early mammalian development“

Coffee break

11.45.-12.30.

Zdenko Herceg, Section and Group Head, Epigenetics Group, IARC, Lyon, France

„Role of early-life exposures on epigenome and cancer susceptibility in childhood and adulthood“

12.30.-13.15.

Floriana Bulić-Jakuš, Professor, School of Medicine, CERRM, Zagreb, Croatia

„Mammalian embryo/teratoma *in vitro* and therapeutic agents“

Ana Katušić Bojanac, Assistant Professor, School of Medicine, CERRM, Zagreb, Croatia

„Limb bud development and teratogenesis: *in vivo/in vitro*“

Lunch

14.00.-14.45.

Nino Sinčić, Assistant Professor, School of Medicine, CERRM, Zagreb, Croatia

„Testicular germ cell tumors: from mice to men“

Ljiljana Šerman & Valentina Karin Kujundžić, Professor & assistant, School of Medicine, CERRM, Zagreb, Croatia

„Authentic vs. imitation: trophoblast vs. tumor“

14.45.- 15.30.

Srećko Gajović, Professor, School of Medicine, Zagreb, Croatia

„*In vivo* visualisation of developmental markers in evaluation of mouse brain repair after ischemic lesion“

Dinko Mitrečić, Associate Professor, School of Medicine, Zagreb, Croatia

„Influence of hypoxia on behavior of developing neural precursors“

15.30.-16.30.

Poster section

Friday, November 30th, 2018. Čačković Hall

10.00.-10.45.

Frederic Berger, Senior Group Leader, Gregor Mendel Institute of Molecular Plant Biology GmbH, Vienna, Austria

„Histone variants H3 essential role in the maintenance and reprogramming of the epigenetic memory carried by H3K27me3“

10.45.-11.30.

Barbara Knowles, Emerita Professor, The Jackson Laboratory, USA

„The new biomedicine“

Coffee break

12.00.-12.30.

Davor Ježek, Professor, School of Medicine, CERRM, Zagreb, Croatia

„Human testis: from development to clinics“

12.30.-13.15.

Charles A. Easley, Assistant Professor, University of Georgia College of Public Health, Athens, USA

„Using an *in vitro* spermatogenesis platform to model male factor infertility and to develop novel stem cell-based therapies“

Lunch

14.00.-14.45.

Aleš Hampel, Professor, Masaryk University, Faculty of Medicine, Brno, Czech Republic

„Early lung epithelial progenitors originating from human pluripotent stem cells“

14.45.-15.30.

Slobodan Vukičević, Professor, School of Medicine, CERRM, Zagreb, Croatia

„Novel technology for regeneration bone defects“

15.30.-16.30.

Poster section

FREE ENTRANCE