

VII International meeting “From Molecular to Cellular Events in Human Pathologies” 18 September – 20 September 2014, Riga, Latvia
PROGRAMM

Wednesday 17 September

The whole
day
17⁰⁰

Arrival and Chek-in; Hotel “Radi un Draugi”

Walking tour of Riga

20⁰⁰

Welcome Party



Thursday 18 September

7³⁰–8³⁰
8⁴⁵–9⁰⁰

Breakfast



Opening of the meeting

Nikolajs Sjakste, Olga Lavrik, Patrick Curmi

Session 1. Nuclear organization.

Chairmen: *Patrick Curmi & Nikolajs Sjakste*

9⁰⁰–9²⁰

The cooperativity and fractality in the functional genome organisation
Jekaterina Ērenpreisa

9²⁰–9³⁵

Mobility of broken proto-oncogenes within nuclear space of cells treated with DNA topoisomerase poisons
Mikhail Rubtsov

9³⁵–9⁵⁵

PUB-NChIP – “in vivo biotinylation” approach to study chromatin in proximity to a protein of interest
Vasily Ogryzko

9⁵⁵–10¹⁰

Charge-dependent mechanism for retention of proteins in the nucleoli via dynamic interaction with nucleolar RNAs
Yanina Musinova

10¹⁰–10³⁰

Ubiquitin, SUMO, The Nuclear Pore Complex and the DNA damage response
Catherine Dargemont

10³⁰–11¹⁰

Coffee Break



Session 2. DNA Damage and Repair Cell Stress

Chairmen: *Alain Krol & Jekaterina Ērenpreisa*

11¹⁰–11²⁵

Interaction of BER factors with pleiotropic protein YB-1 in OCDLs repair
Elizaveta Fomina

11²⁵–11⁴⁵ Multifunctional protein YB-1 translocates to the nucleus in response to transcription inhibition

Dmitry Kretov

11⁴⁵–12⁰⁰ Mechanisms of heat stress-induced cell senescence.

Omar Kantidze

12⁰⁰–12¹⁵ CHI3L1 AND TSC22 proteins involvement in cellular response to extracellular stress

Tetiana Bukreieva

12¹⁵–12³⁰ Acceleration of the peroxyxynitrite decomposition rate, DNA binding and oxidative stress reduction by 1,4-dihidropiridine derivatives

Elina Leonova

13⁰⁰–14⁰⁰

Lunch



Session 3. DNA Damage DNA Repair and Cell protection.

Chairmen: Catherine Dargemont & Vadym Kavsan

14⁰⁰–14²⁰ PARP1 as a mediator of the catalytic activity of the enzymes processing apurinic/apyrimidinic site

Olga Lavrik

14²⁰–14⁴⁰ Poly(ADP-ribose) glycohydrolase in DNA repair and replication: towards potential applications in anticancer strategies?

Valérie Schreiber

14⁴⁰–15⁰⁰ Interactions of the Ner factors with DNA are modulated by PARP1 activity

Nadezhda Rechkunova

15⁰⁰–15²⁰ Selenoproteins in health and disease. Towards understanding their peculiar mechanism of biosynthesis

Alain Krol

15²⁰–15³⁵ Endocytic scaffold ITSN1: novel connections and way of regulation in neurons

Dmytro Morderer

15³⁵–15⁵⁵ AFM imaging of nucleo-proteins complexes, application to PARP2

Loic Hamon

15⁵⁵–16¹⁵ Mechanism of stress granule assembly

David Pastre

16¹⁵–18⁰⁰ **Coffee, Tea and Poster session and Comments**



Friday, 19 September 2014

7³⁰–8¹⁵

Breakfast



Session 4. Cancer.

Chairmen: *Michael Ugrumov & Mikhail Tukalo*

8³⁰–8⁴⁵

Best Biopolymers and Cell paper award 2014 talk

A role of resveratrol and miRNAs in regulation of proto-oncogenic eukaryotic translation elongation factor 1A2 expression.

Andrii Vislovukh

8⁴⁵–9⁰⁵

Effects of Wnt/beta-catenin pathway and RET/PTC oncogene on tumour progression and treatment of papillary thyroid carcinoma

Liliane Massade

9⁰⁵–9⁵⁰

The role of TFF3 in the development of thyroid cancer

Arturs Ābols

9²⁰–9³⁵

Timing characteristics of degeneration of nigrostriatal dopaminergic neurons in mice at the model of the early clinical stage of Parkinson's disease

Anna Kolacheva

9³⁵–9⁵⁰

Gene expression signature of glial tumors and participation of oncogene CHI3L1 in malignant transformation

Anton Iershov

9⁵⁰–10¹⁰

Complex treatment of chemoresistant glial brain tumors and delivery of drugs to the tumor cells

Vadym Kavsan

10¹⁰–10³⁰

Potential implication of aminoacyl-tRNA synthetases in tumourigenesis

Mikhail Tukalo

10³⁰–10⁵⁰

Immunoregulatory role of HSP60 at thyrod cancer progression

Lyudmila Sidorik



10⁵⁰–11²⁰

Coffee-Break



Session 5. Cell biology.

Chairmen: *Valérie Schreiber*

- 11⁴⁰–12⁰⁰ A RecG helicase involved in the maintenance of the plant organellar genomes.
José M. Gualberto
- 12⁰⁰–12²⁰ New active compounds derived from molecular diversity.
Alain Friboulet
- 12²⁰–12⁴⁰ Antitumor and antimetastatic effect of short immunostimulating dsRNA against hepatocellular carcinoma G29 and melanoma B16
Tat'iana Kabilova
- 12⁴⁰–13⁰⁰ Etoposide induced dual expression of opposite regulators of self-renewal and senescence OCT4/P21CIP1 in embryonic carcinoma cells PA1 is modulated by the serum concentration changes
Anda Huna
- 13⁰⁰–14⁰⁰ **Lunch** 
- 14³⁰ **Excursion to Kemer National park and Jurmala**
- 19³⁰ **Gala Dinner, Jura Orient restaurant** 

Saturday, 20 September

- 8³⁰–9³⁰ Breakfast
- 10⁰⁰–12⁰⁰ Round table, Closing Ceremony