

From Molecular to Cellular Events in Human Pathologies

Paris, October 17–18

Ecole Nationale Supérieure de Chimie de Paris
11 rue Pierre et Marie Curie, PARIS 5ème

Thursday October 17

9:00 Introduction & Welcome

Olga LAVRIK, Patrick CURMI, Yegor VASSETZKY,
Inna MERKOULOVA Martine BONIN, Philippe ARHETZ,
CNRS, INSERM, Russian Embassy

Session: Cancer (I)

Chair: A. RYNDITCH, Y. VASSETZKY

9:30 Structure and function of oncogene-transformed immortal cells
Vadym M KAVSAN

9:55 Telomere length regulation in *Hansenula polymorpha*
Alexander MALYAVKO

10:20 Increased mobility of broken *MLL* gene ends in human lymphoid
cells treated with DNA topoisomerase II poison etoposide
Sergey RAZIN

10:45 Biological effects of therapeutic siRNA against TMPRSS2-ERG
fusion oncogene for the cancer prostate treatment
Giorgia URBINATI

11:05-COFFEE BREAK & POSTERS 

Session: Molecular Aspects of Physiology & Diseases (I)

Chair: M. MIRANDE, A. GABIBOV

11:25 RNA architectural modules and their detection in sequences

Eric WESTHOF

11:45 Stress granules and the proliferative rate of epithelial cells

David PASTRE

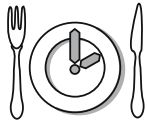
12:05 Yeast and human SAGA acetyltransferase and deubiquitinase activities shape all the transcribed regions of the genome

Didier DEVYS

12:25- Inhibitory signalling to the Arp2/3 complex steers cell migration

Alexis GAUTREAU

12:45-LUNCH



Session: DNA Damage & Repair (I)

Chair: P. CURMI, M. SAPARBAEV

13:45 Interplay of the base excision repair and mismatch repair pathways in active DNA demethylation

Alexander ISCHENKO

14:05 Role of DDC1 as a link between check point and DNA repair in yeast *Saccharomyces cerevisiae*

Olga LAVRIK

14:30 Poly(ADP-ribose) glycohydrolase in DNA repair and replication: towards potential applications in anticancer strategies?

Valérie SCHREIBER

14:55 Search for molecules with combined antioxidant and DNA-binding activities

Evita ROSTOKA

15:20 Ku80 interaction with apurinic/aprimidinic sites depends on the structure of DNA ends

Anastasia KOSOVA

15h45-COFFEE BREAK & POSTERS 

Session: Neurological Diseases

Chair: L. KERKERIAN, M. UGRUMOV

16:05 Progressive parkinsonism by acute dysfunction of excitatory amino acid transporters in the rat substantia nigra

Lydia KERKERIAN

16:25 A search of new treatment modalities for mantle cell lymphoma and glioblastoma

Stanislav AVDIEIEV

16:45 Association of the *PSMA3* gene polymorphisms with multiple sclerosis

Tatjana SJAKSTE

17:05 Ca/calmodulin-dependent phosphorylation of endocytic scaffold ITSN1

Dmytro MORDERER

17:30 To be communicated

Michael UGRUMOV

18h-*End of sessions*

20:00  **GALA DINNER**

Restaurant "Marty"

20 Avenue des Gobelins, 75005 Paris

Friday October 18

Session: Cancer (II)

Chair: S. RAZIN, P. CURMI

9:00 Involvement of the ITSN adaptor proteins in podosomes/invadopodia formation important for cell migration and invasion

Alla V RYNDITCH

9:25 Loss of Arpin expression in breast cancer

Antonina ALEXANDROVA

9:50 miRNA boost in the tumor and miRNA drop in the blood serum caused by treatment with RNase A promote an attenuation of tumor malignancy

Marina ZENKOVA

10:15 The interaction of lipophilic derivatives of siRNA with hematopoietic and tumor cells

Elena CHERNOLOVSKAYA

10:40-COFFEE BREAK & POSTERS 

Session: Cancer (III)

Chair: A. ALEXANDROVA, V. KAVSAN

11:00 Molecular and cellular effects of siRNA on *RET/PTC3* junction oncogene in papillary thyroid carcinoma

Ali HAFIZ

11:20 CHI3L1 and CHI3L2 – one protein family, two opposite functions

Pavlo ARESHKOV

11:40 Constitutive oncogene expression promotes chromosome instability in immortalized cells

Alexey STEPANENKO

Session: Molecular Aspects of Physiology & Diseases (II)

Chair: V. SCHREIBER, N. SJAKSTE

12:00 The tRNA_{3^{Lys}} packaging complex involves association of human mitochondrial LysRS with the polyprotein GagPol from HIV-1: a new pharmacologic target?

Marc MIRANDE

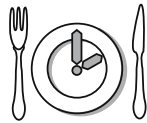
12:20 Chromatine organization in *Drosophila*

Caroline JACQUIER

12:40 Specificity of DNA import into isolated mitochondria from plants and mammals

Milana KOULINTCHENKO

13:00-LUNCH



Session: Molecular Aspects of Physiology & Diseases (III)

Chair: D. DEVYS, P. RADICELLA

14:00 DNA import competence and mitochondrial genetics

André DIETRICH

14:20 Mechanisms of antigen degradation

Alexander GABIBOV

14:40 Catalytic antibodies: physiopathological and therapeutic significance

Srini KAVERI

15:00 Strategies for the selection and identification of active sites inhibitors with potential therapeutic value.

Alain FRIBOULET

15:20-COFFEE BREAK & POSTERS 

Session: DNA Damage & Repair (II)

Chair: O. LAVRIK, D. PASTRE

15:45 DNA-Protein and protein-protein interactions in nucleotide excision repair and their regulation

Nadezhda I. RECHKUNOVA

16:05 The analysis of human telomerase RNA 3'-end processing

Maria RUBTSOVA

16:25 The prion protein: an unexpected link between base excision repair and neurodegeneration

Pablo RADICELLA

16:45 New repair pathways for free radicals induced complex DNA damage

Murat SAPARBAEV

17:05 **Concluding Remarks**

Olga LAVRIK, Patrick CURMI, Yegor VASSETZKY

18:00 *End of Meeting*