



mol.onco 2012

september, 17-22 kyiv, ukraine

**The 1st Multidisciplinary Symposium “Molecular
oncology: from laboratory bench to medicine”**

**Institute of Molecular Biology and Genetics NAS of Ukraine
150, Zabolotnogo Street
Kyiv, Ukraine**

Monday, September 17, 2012

Workshop Group 1 (15 participants):

8:30-9:30 – Registration

11:15-11:30 Coffee-break

11:30-13:00 - Real-Time PCR in diagnostics

13:00-14:00 Lunch

14:00-17:00 Microscopy: FISH-microscopy.

17:00-17:15 Coffee-break

17:15-18:30 - Real-Time PCR in diagnostics (results analysis)

Tuesday, September 18, 2012

Workshop Group 2 (15 participants):

8:30-9:30 – Registration

11:15-11:30 Coffee-break

11:30-13:00 - Real-Time PCR in diagnostics

13:00-14:00 Lunch

14:00-17:00 Microscopy: FISH-microscopy.

17:00-17:15 Coffee-break

17:15-18:30 - Real-Time PCR in diagnostics (results analysis)

Wednesday, September 19, 2012

8:30-9:15 Registration

9:15-9:30 Official Symposium opening by **Prof. Ganna Elska** and **Prof. Vasyl Chekhun**

Section I MOLECULAR BASICS OF CANCER

9:30-10:15 Plenary Lecture

Prof. Svetlana Sidorenko “Regulation of B-cell fate and lymphomagenesis”

10:15–11:00 Short talks Section I (3)

10:15-10:30 **Yurchenko Mariya** “Cell surface receptors in maintaining hrs cells homeostasis”

10:30-10:45 **Romanets Olga** “CD150 receptor as a potential target for oncolytic therapy with measles virus”

10:45-11:00 **Li Su-Chen** “Global microrna profiling of small intestine neuroendocrine tumors and normal enterochromaffin cells”

11:00-11:20 – *Expert talk*

Dr. Vitalina Gryshkova “Homodimerization of thrombopoietin receptor and its oncogenic mutants (S505N AND W515K)”

11:20-11:45 Coffee–break

11:45-12:00 *Expert talk*

Dr. Iryna Borbulyak “Assessment of the risk of oncohematological diseases under exposure to low-dose irradiation”

12:05-12:20 *Expert talk* from Biolink

12:20-12:40 *Expert talk*

Dr. Stephane Gasman “The new intersectin11 splice variant ITSN1LΔ35 is expressed in different cancer types”

12:40-13:00 – RT-PCR reaction demonstration (Biolink)

13:00-14:00 Lunch

14:00-15:30 POSTER SESSION I

15:30–15:50 *Expert talk*

Dr. Vladimir Shamanin “Analysis of mutations of EGFR gene in non-small cell lung cancer from patients in siberia”

15:50-16:50 Short talks Section I (4)

15:50-16:05 **Kushniruk Veronika** “Karyotypic evolution of new human cell line 4bl6 during long-term cultivation in vitro”

16:05-16:20 **Iwona Kałnik-Prastowska** “The molecular status of fibronectin in plasma and pleural effusion of patients with lung cancer”

16:20-16:35 **Skorokhod Oleksandr** “Identification of new mtor-kinase splicing isoforms”

16:35-16:50 **Vynnytska-Myronovska Bozhena** “Arginine deprivation-based anticancer approach: study in 3D spheroid culture”

16:50-17:10 Coffee–break

17:10-17:30 *Expert-talk*

Dr. Sergey Kovalenko “Molecular diagnostics in breast cancer”

17:30-17:50 *Expert-talk*

Dr. Denys Bilko “Roles in tumours of different origin”

17:50-18:20 RT-PCR reactions results: discussion, questions (Biolink)

18:00-22:00 *Charity Ball* (with photo-session, auction).

Thursday, September 20, 2012

Section II NOVEL APPROACHES IN ONCODIAGNOSTICS

9:30-10:15 Plenary Lecture

Prof. Regine Schneider-Stock “**Molecular diagnostics in pathology - prognostic and therapeutic impact**”

10:15–10:35 *Expert-talk*

Dr. Sergey Kovalenko “Molecular diagnostics in breast cancer”

10:35-11:20 Short talks Section II (3)

10:35-10:50 **Pisareva Ekaterina** “Development of pcr tests for analysis of mutations in kras and braf genes in colorectal cancer and melanoma”

10:50-11:05 **Kostianets Olga** “Analysis of medullary breast carcinoma-derived antigens in different histological types of breast carcinomas by immunohistochemistry”

11:05-11:20 **Cui Tao** “Olfactory receptor 51E1 is a potential novel tissue biomarker for the diagnosis and prognosis of small intestine neuroendocrine tumors”

11:20-11:45 Coffee–break

11:45-12:30 Short talks Section II (3)

11:45-12:00 **Hakobyan Gohar** “Phospholipid-metabolizing enzyme activities in the plasma membrane of blood mononuclear cells in leukemia”

12:00-12:15 **Shulenina Lilia** “Quantification of changes in mrnk of the genes p53, npm1, p14Arf and Kras levels in the blood of the oncologic patients before and after of џj- therapy”

12:15-12:30 **Malgorzata Pupek** “Metabolomics approach in diagnostics of cancer accompanied with multimorbidity”

12:30-13:15 Plenary Lecture

Prof. Andrea Baier “CK2 and its role in cancer development and perspectives for drug design”

13:15-14:30 Lunch

14:30-18:00 *Kyiv City tour*

Friday, September 21, 2012

Section III MODERN CANCER THERAPY

9:30-10:15 Plenary Lecture

Prof. Peter Stambrook “**Whole genome sequencing and individualized approaches to cancer management and treatment**”

10:15–10:35 *Expert-talk* from General Partner Biolabtech

10:35-11:05 Short talks Section III (2)

10:35-10:50 **Sapun Anastasiya** “Elaboration of polynucleotide drugs for cancer therapy”

10:50-11:05 **Chen Oleh** “Effect of combinational arginine deprivation-based enzymotherapy with nitric oxide donor on viability and apoptosis of human leukemic cells”

11:05-11:30 Coffee–break

11:30-12:15 Plenary Lecture

Prof. Anna Dubrovska “Cancer stem cells in the development of predictive biomarkers and novel approaches to therapy”

12:15-12:35 *Expert-talk*

Dr. Eugene Barsov ”Human induced pluripotent stem cells in cancer research”

12:35-12:55 *Expert-talk*

Dr. Iryna Dmytrenko “Molecular and cytogenetic monitoring of patients with chronic myeloid leukemia”

12:55-14:00 Lunch

14:00-15:30 POSTER SESSION 2-3

15:30–15:50 *Expert-talk*

Dr. Irina Dyagil “A revolution in the diagnosis and treatment of chronic myeloid leukemia”

15:50-16:10 – *Expert-talk*

Dr. Stasyk Oleh “Anticancer enzymotherapy based on arginine deprivation: pros and cons and new developments”

16:10-16:30 - *Expert-talk*

Dr. Kuzmenko Oleksandr “Vitamin E metabolite with the antitumor and antimetastatic activity decreases cisplatin toxicity in experimental animal model”

16:30-17:15 Short talks Section III (3)

16:30-16:45 **Rudyk Mariia** “Alarmin HMGB1 release by melanoma B16 cells treated with cytotoxic drugs in vitro does not depend on the mode of cell death”

16:45-17:00 **Bondar Oxana** “Enhancing drug sensitivity of cancer cells using chemically modified block copolymers of ethylene oxide and propylene oxide”

17:00-17:15 **Kuznietsova Halyna** “Influence of cytostatic compound dihydropyrrol derivative on bowel mucosa under colon cancer in rats”

17:15-17:30 Coffee–break

17:30-17:50 - *Expert-talk*

Prof. Peter Stambrook “Stem cell strategies for preserving genomic integrity”

17:50-19:00 Panel discussion “**Effective strategies in oncology**”

Saturday, September 22, 2012

Section III MODERN CANCER THERAPY

9:30-10:15 Plenary Lecture

Prof. Piter Friedl “In vivo imaging of cancer growth, invasion and therapy response”

10:15-10:35 *Expert talk* from General Partner Optec

10:35-11:05 Short talks Section III (3)

10:35-10:50 **Diachenko Maria** “Colony to cluster ratio as a method for individual therapy response monitoring in chronic myeloid leukemia”

10:50-11:05 **Sharykina Nadezhda** “The influence of adrenomimetics on the growth of sarcoma 180”

11:05-11:25 *Expert-talk*

Dr. Alex Nyporko

11:25-11:45 *Expert-talk*

Dr. Vladimir Pushkarev “Using of taxanes and ionizing radiation for anaplastic thyroid cancer therapy”

11:45-12:15 Coffee–break

12:15-12:45 Closing ceremony, rewarding of winners.

12:45-15:00 Farewell party

Departure