



National Academy of Sciences of Ukraine  
R.E. Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology



Young Scientists Council  
Scientific Council of NASU "Malignant tumors"  
Charitable Foundation "Unity Against Cancer"  
Karolinska Institutet, Sweden  
Swedish Institute, Sweden

## Second Ukrainian-Swedish Workshop

**“TRANSLATIONAL ONCOLOGY: OLD AND NEW PARADIGMS”**

dedicated to the 95th anniversary of the foundation  
of NASU

**Scientific program**

May 20-21, 2013  
Kyiv, Ukraine

# Monday, May 20, 2013

8:30-9:30

*Registration*

Session 1

Chairs:

**V.Chekhun**, Director of R.E. Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology of NASU, Academician of NASU, Dr.Sci., Professor

**I.Ernberg**, PhD, Professor, Karolinska Institutet

9:30

Welcoming address

**V.Chekhun, Academician of NASU, Dr.Sci., Professor**

9:45 -10:30

TUMOR PROGRESSION – TIME FOR A NEW PARADIGM?

**I.Ernberg, PhD, Professor, Sweden**

10:30 -10:55

INDIVIDUALIZATION OF CANCER TREATMENT: SUCCESSES AND CHALLENGES

**S.Souchelnyskyi, PhD, Associated Professor, Sweden**

10:55 - 11:20

EXPLOITING THE P53 PATHWAY TO ACHIEVE CURE IN CHRONIC MYELOGENOUS LEUKEMIA

**S.Lain, PhD, Associated Professor, Sweden**

11:20 -11:40

*Coffee Break*

11:40 – 12:05

HIGH-RISK HPV L1 CAPSID PROTEIN AS A MARKER OF CERVICAL INTRAEPITHELIAL NEOPLASIA IN HIGH-RISK HPV-POSITIVE WOMEN WITH MINOR CYTOLOGICAL ABNORMALITIES

**S.Andersson, PhD, Professor, Sweden**

12:05 – 12:30

CARCINOMA OF ENDOMETRIUM: PREDICTION MARKERS OF TUMOR PROGRESSION, AGGRESSIVENESS AND POTENTIAL TARGETS FOR THERAPY IN A MITOCHONDRIAL PERSPECTIVE

**M.Mintz, PhD, Associated Professor, Sweden**

12:30 - 12:55

RNA INTERFERENCE : A TOOL TO ELUCIDATE GENE FUNCTION IN MAMMALIAN CELLS

**V. Gurianova**, representative of **BioLabTech company**

13:00 – 14:00

*Lunch Break*

Session 2

Chairs:

**S. Sydorenko**, Dr.Sci., Professor, IEPOR

**S.Osynsky**, Dr.Sci., Professor, IEPOR

14:00 – 14:25

IMMUNOGENIC CANCER CELL DEATH: HOW IT CAN BE EXPLOITED

**L. Skivka, PhD, Associated Professor, Ukraine**

14:25 – 14:55

TRANSCRIPTIONAL NETWORK IN B CELLS: IRFs IN THE DEVELOPMENT OF B CELLS AND LYMPHOMAGENESIS

**M. Yurchenko, PhD, Ukraine**

14:55 -15:20

EBV-ENCODED EBNA-5 BINDS TO P18ARF AND PREVENTS P53-INDUCED GROWTH ARREST AND APOPTOSIS

**E. Kashuba, PhD, Associated Professor, Ukraine**

15:20 -15:45

HUMAN BETA-DEFENSINS IN REGULATION OF BIOLOGIC PATTERNS OF CANCER CELLS

**M. Soldatkina, PhD, Associated Professor, Ukraine**

16:00

**Welcome dinner**

*During Workshop IEPOR is hosting an artwork exhibition of children undergoing treatment in the Department of Pediatric Oncology, National Cancer Institute, Kyiv. The exhibition will be presented in the library.*





# Tuesday, May 21, 2013

## Session 3

Chairs:

**D. Gluzman**, Dr.Sci., Professor, IEPOR

**E. Kashuba**, PhD, IEPOR

13:55-14:10

EXPRESSION OF MEASLES VIRUS RECEPTOR CD150 ISOFORMS IN TUMORS OF THE CENTRAL NEUROUS SYSTEM

**O.Romanets**, **T.Malysheva**, **B.Horvat**, **S.Sydorenko**,  
**Ukraine**

10:00 – 10:15

ABERRANT EXPRESSION OF IKZF1 GENE IN BLAST CELLS OF CHILDHOOD ACUTE LYMPHOBLASTIC LEUKEMIA

**A. Meleshko**, **I. Prakharenia**, **S. Doronina**, Belarus

14:10 – 14:25

THE ROLE OF GENETIC FACTORS IN PREDISPOSITION TO DEVELOPMENT OF MULTIPLE PRIMARY MALIGNANCIES OF THE FEMALE REPRODUCTIVE ORGANS

**O.Paliychuk**, **L.Polishchuk**, **N.Gorovenko**, **Z.Rossokha**,  
**V.Chekhun**, Ukraine

10:15 – 10:30

THE PREDICTIVE MODEL OF CHEMOTHERAPY RESPONSE IN MULTIPLE MYELOMA PATIENTS

**N. Kostukova**, **Z. Rossokha**, **S. Kiryachenko**,  
**S. Vudyborets**, **N. Gorovenko**, Ukraine

14:25- 14:40

THE ROLE OF SOME CYTOKINES AS A LOCAL MICROENVIRONMENT IN BREAST CANCER PROGRESSION

**N.Semesiuk**, **N.Bezdenezhnykh**, **A.Lykhova**,  
**Yu.Kudryavets**, Ukraine

10:30 – 10:45

THE PROGNOSTIC VALUE OF LEUKEMIC STEM CELLS PERCENTAGE IN B-LINEAGE CHILDHOOD ACUTE LYMPHOBLASTIC LEUKEMIA

**A.Tarasova**, **T. Shman**, **L. Movchan**, Belarus

14:40- 14:55

FEATURES OF TREATMENT OF BREAST CANCER PATIENTS WITH DISSEMINATED TUMOR CELLS AND OVERPRODUCTION OF TUMOR NECROSIS FACTOR IN BONE MARROW

**O.Nikolaenko**, **V.Zhylchuk**, **G.Maksim`yak**,  
**Yu.Chyshkevich**, **O.Sichkoriz**, **N.Bezdenezhnykh**,  
**Yu.Kudryavets**, Ukraine

10:45 – 11:00

A COMPARISON OF MULTIPLEX SHORT TANDEM REPEAT PCR AND REAL-TIME PCR INSERTION/DELETION POLYMORPHISMS METHODS FOR QUANTIFICATION OF CHIMERISM AFTER HEMATOPOIETIC STEM CELL TRANSPLANTATION

**V.Lavrinenko**, **T. Savitskaya**, **Y. Mareika**, Belarus

11:00 -11:30

*Coffee Break*

11:30- 12:15

Poster session

14:55-15:10

NEW MECHANISMS OF CLINICAL EFFICACY OF LOW-DOSE METRONOMIC CHEMOTHERAPY TREATMENT OF PATIENTS WITH METASTATIC COLORECTAL CANCER

**Yu.Kudryavets**, **N.Bezdenezhnykh**, **G. Maksim`yak**,  
**V.Zhylchuk**, **I.Adamenko**, **N.Semesiuk**, **A. Vorontsova**,  
**O. Sichkoriz**, **V. Chekhun**, Ukraine

12:15- 13:00

Master class: Introduction to the methods of molecular biology

13:00 – 13:40

*Lunch Break*

## Session 4

Chair:

**Yu.Kudryavets**, Dr.Sci., IEPOR

**L. Buchynska**, Dr.Sci., IEPOR

15:10- 15:25

Poster session discussion

13:40- 13:55

THE COMET ASSAY: APPLICATIONS TO STUDY OF CANCER RISK INFLUENCED BY EXTERNAL EXPOSURE

**O. Bilyk**, **O. Brieieva**, **L. Buchynska**

16.30

Conclusion remarks

A walking tour around Kiev



## Poster session

- 1 ANTITUMOR EFFECT OF OXY CORRELATES WITH ITS ABILITY TO DECREASE THE LEVEL OF NITROSYL-HEM COMPLEXES IN LEWIS LUNG CARCINOMA CELLS  
**I.Boichuk, O. Melnikov, G.Solyanik, Ukraine**
- 2 MISMATCH REPAIR PROTEINS MSH2, MLH1 EXPRESSION AND DNA DAMAGE IN TUMOR CELLS OF ENDOMETRIAL CANCER PATIENTS WITH FAMILY HISTORY OF CANCER  
**O. Brieieva, N.Iurchenko, L.Buchynska, Ukraine**
- 3 MODERN CHEMOIMMUNOTHERAPY APPROACH BASED ON DENDRITIC CELLS AND LOW-DOSE CISPLATIN IN EXPERIMENT  
**A. Gorbach, N.Khranovska, O.Skachkova, R.Sydor, N.Svergun, Ukraine**
- 4 THE USE OF THERMAL-ELECTRIC MEDICAL HEAT METER IN DIAGNOSTIC OF BREAST CANCER  
**O.Ivashchuk, V.Unguryan, I. Malyshevskiy, A.Sukhar, Ukraine**
- 5 THE FEATURES OF EXPRESSION CD44 AND E-CADHERIN IN THE SEROUS OVARIAN CANCER AND ITS CLINICAL SIGNIFICANCE  
**N.Lukianova, O.Ryabtseva, L.Polishchuk, V.Chekhun , Ukraine**
- 6 MOLECULAR - GENETIC MARKERS FOR DIAGNOSIS AND PROGNOSIS IN PEDIATRIC SOLID MALIGNANCIES  
**N.Khranovska, N.Ionkina, N.Svergun, M.Inomistova, G.Klymnyuk, Ukraine**
- 7 NUCLEIC ACID MARKERS IN BLOOD PLASMA OF COLORECTAL CANCER PATIENTS  
**A.Kondratov, K.Nekrasov, L.Lototska, G.Panasenko, L.Stoliar, O.Kolesnyk, I.Shchepotin, A.Rynditch, V.Kashuba, Ukraine**
- 8 SIGNIFICANCE OF THE COX-2 AND VEGF EXPRESSION IN TUMOR FOR ESTIMATION OF RESULTS OF THE TREATMENT OF CERVICAL CANCER STAGE IIB  
**A.Kryzhanivska, A.Andriviv, N.Lukianova , Ukraine**
- 9 MATRIX METALLOPROTEINASES-2 AND 9 ACTIVITY AND TUMOR-ASSOCIATED MACROPHAGES IN HUMAN GASTRIC CANCER: CORRELATION WITH METASTASIS  
**L.Mamontova, L.Gumenyuk, S.Merentsev, I.Ganusevich, Ukraine**
- 10 THE ROLE OF PRO- AND ANTIOXIDANT PROCESSES IN DNA DAMAGE ORIGINATING FROM COMBINED EFFECTS OF ENVIRONMENTAL FACTORS AND TUMOR GROWTH  
**I. Muzalov, O.Ganzha, V. Mikhailenko, Ukraine**
- 11 CHARACTERISTIC OF HLA-GENOTYPE IN CHILDREN WITH ALL AND AML  
**K.Takun, T.Savitskaya, O.Aleinikova, Belarus**
- 12 PHOTODYNAMIC THERAPY OF TUMOR WITH CONTROLLED DELIVERY OF PHOTOSENSITIZER HEMATOPORPHYRIN  
**L. Taranets, O.Chepurna, V.Cholin, N.Gamaleia, Ukraine**
- 13 ROLE OF ENDOMETRIAL HYPERPLASIA IN PROGNOSIS OF SURVIVAL OF PATIENTS WITH OVARIAN CANCER  
**J. Tkalya ,L.Vorobyova, V.Svintsitsky, Ukraine**
- 14 GOLD NANOPRISMS AS POTENTIAL DELIVERY AGENTS FOR PDT PHOTOSENSITIZERS  
**I.Shton, P.Yermak, A.Chevichalova, V.Estrela-Llopis, N. Gamaleia, Ukraine**
- 15 CORRELATIONS BETWEEN SERUM AND TUMOR FERRITIN LEVELS WITH SENSITIVITY TO NEOADJUVANT CHEMOTHERAPY IN BREAST CANCER PATIENTS  
**A. Shepil, N.Lukianova, V.Chekhun, Ukraine**
- 16 THE CLINICAL EFFICACY OF DRUGS OF "ERBISOL" CLASS IN THE TREATMENT OF COLORECTAL CANCER PATIENTS WITH LIVER METASTASES  
**O.Nikolaenko, V.Zhylchuk, G.Maksim`yak, Yu.Chyshkevich, O.Sichkoriz, N. Bezdenezhnykh, Yu.Kudryavets, Ukraine**



### **Organizing committee:**

Organizing Committee Chair: Vasyl F. Chekhun,  
Academician of Ukrainian National Academy of  
Sciences

Organizing Committee Co-Chairs:

Elena V. Kashuba, PhD,

Lyubov G. Buchynska, Dr.Sci.,

Natalya O. Bezdenezhnykh, PhD

Executive Secretary: Larysa M. Kovalevska, PhD

### **Scientific Committee:**

D.Gluzman, Dr.Sci., Professor; Yu.Kudryavets,  
Dr.Sci.; S.Osynsky, Dr.Sci., Professor; L.Polishchuk,  
Dr.Sci., Professor; S. Sydorenko, Dr.Sci., Professor

### **Secretariat:**

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### **Dear Colleagues!**

We are pleased to invite you to the Second Ukrainian-Swedish Workshop “Translational oncology: old and new paradigms”, taking place on May 20 - 21, 2013 at R.E. Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology of NAS, Kyiv, Ukraine.

The focus of this year is fundamental, translational and clinical cancer research. Participants will have an opportunity to present and discuss the newest data. They will pick up the latest news in different aspects of fundamental and applied oncology, including practical application of current achievements in cancer research. Scientific program will include lectures presented by well-known Ukrainian and Swedish experts in oncology. Master class in modern research techniques will take place in the training section.

We are welcoming you in Kyiv!

**Organizing committee**

For notes

