**6th Ukrainian Congress for Cell Biology with international representation**

**Yaremche, recreation center "Arnika"**

Ivano-Frankivsk National Medical University

**CONFERENCE PROGRAMME**

**June 18-21, 2019**

**CONFERENCE PROGRAM**

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| **June 18 (TUESDAY)** | |
| 13:00 – 15:00 | Registration of participants of the conference, recreation center “Arnika”, central building, I. Petrasha Str. 30, Yaremche |
| **15:00 – 15:30** | **Conference opening, press release for the media** |
| 15:30 – 17:30  15:30 – 16:10 | **Plenary session**  ***Chair, Andriy Sibirny (Lviv)***  Maryna Skok. "Mesenchymal stem cells as a therapeutic tool to cure cognitive impairment caused by neuroinflammation or alpha7 nicotinic acetylcholine receptor deficiency " |
| 16:10 – 16:50 | Grzegorz Wegrzyn. "Changes in transcriptomes of cells derived from patients suffering from different types of mucopolysaccharidosis" |
| 16:50 – 17:30 | Patrick Fickers. "The quest for the best cell factory for the production of recombinant proteins: *Pichia pastoris* vs *Yarrowia lipolytica*" |
| 17:30 – 19:00 | **Get together party** |
| **June 19 (WEDNESDAY)** | |
| 9:00 – 11:00 | Session "**Cell signaling, apoptosis, autophagy**"  ***Chair******, Oleh Stasyk (Lviv)***  (recreation center “Arnika”, central building, I. Petrasha Str. 30, Yaremche) |
| 9:00 – 9:20 | Lecture 1. Andriy Sibirny. "Autophagy is the primary mechanism involved in degradation of the cytosolic enzymes of methanol metabolism in the methylotrophic yeast *Komagataella pastoris*" |
| 9:20 – 9:40 | Lecture 2. Lyudmila Drobot.”The epithelial-mesenchymal plasticity is a driving force of tumor progression” |
| 9:40 – 10:00 | Lecture 3. Olexandr Korchynskyy. "Overexpression of direct bone morphogenetic protein/Smad target gene inhibitory kBa upon BMP7 treatment is insufficient to prevent and treat rheumatoid arthritis" |
| 10:00 – 10:20 | Lecture 4. Kostyantyn Dmytruk. "The role of peroxisomes in xylose alcoholic fermentation in the engineered *Saccharomyces cerevisiae*" |
| 10:20 – 10:40 | Lecture 5. Yuriy Kit. "Identification of cortactin-like proteins in human urine at norm and pathology: diagnostic and prognostic potentials" |
| 10:40 – 11:00 | *Presentation of "Bionix Lab" company* |
| 11:00 – 11:30 | **Coffee break** |
| 11:30 – 13:30 | Session "**Tumor cell biology**"  ***Chair, Rostyslav Stoika (Lviv)*** (recreation center “Arnika”, central building, I. Petrasha Str. 30, Yaremche) |
| 11:30 – 11:50 | Lecture 1. Rimantas Daugelavicius. "Conditions and factors leading to multidrug resistance in bacteria and eukaryotic cells" |
| 11:50 – 12:10 | Lecture 2. Rostyslav Stoika. "Potentials of nanocarriers in circumventing tumor cell resistance to anticancer drugs and diminishing negative side effects of their action in the treated organism" |
| 12:10 – 12:30 | Lecture 3. Oleh Stasyk. "Metabolic anticancer enzymotherapy based on arginine deprivation and new combinational approaches" |
| 12:30 – 12:50 | Lecture 4. Rostyslav Panchuk. "Circumvention of tumor drug resistance by quinone-containing compounds: role of extramitochondrial ROS" |
| 12:50 – 13:10 | Lecture 5. Nataliya Hudz. "Leaning points around biocompatibility of PD solutions measured as *in vitro* proliferation of HepG2 and Vero cells" |
| 13:10 – 13:30 | Lecture 6. Nelia Kyshynets. "Biological drugs obtained by means of high-tech processes: quality assurance in accordance with the requirements of the State Pharmacopoeia of Ukraine" |
| 13:30 – 14:30 | **Lunch** (in cafeteria at central building of recreation center “Arnika”, I. Petrasha Str. 30, Yaremche) |
| 14:30 – 16:50 | Session "**Cell response on stress**"  ***Chair, Rostyslav Panchuk (Lviv)***  (recreation center “Arnika”, central building, I. Petrasha Str. 30, Yaremche) |
| 14:30 – 14:50 | Lecture 1. Alexander Rapoport “Anhydrobiosis: Survival without water” |
| 14:50 – 15:10 | Lecture 2. Sergiy Beschasnyi. "Effects of the carbon monoxide releasing molecule-2 on human erythrocyte membranes" |
| 15:10 – 15:30 | Lecture 3. Kostyantyn Kuznetsov. “Cell membrane permeability changes under exposure to neutron radiation” |
| 15:30 – 15:50 | Lecture 4. Oksana Stolyar. “Application of the novel integrative index of oxidative stress basing on the experience of aquatic mollusks study” |
| 15:50 – 16:10 | Lecture 5. Raisa Piskun. “Compensatory-adaptive potential of cardiocytes under conditions of experimental cholesterol loading the animal models” |
| 16:10 – 16:30 | Lecture 6. Anastasiia Rozhyna. “The influence of low power microwave radiation of 2,4 GHz frequency on human cells” |
| 16:30 – 16:50 | Lecture 7. Oksana Novikova. “Viability and proliferative activity of cryopreserved cultures of dermal papillas of rabbits ” |
| 16:50 – 17:10 | **Coffee break** |
| 17:10 – 18:30 | Poster session №1 (sections 1, 2, 4, 6) |
| 18:30 – 19:30 | **Dinner** (in cafeteria at central building of recreation center “Arnika”, I. Petrasha Str. 30, Yaremche) |
| **June 20 (THURSDAY)** | |
| 9:00 – 11:50 | Session "**Cellular, genetic and metabolic engineering**"  ***Chairs, Yaroslav Blume (Kyiv)***  (recreation center “Arnika”, central building, I. Petrasha Str. 30, Yaremche) |
| 9:00 – 9:20 | Lecture 1. Mykhailo Gonchar. "Recombinant enzymes, human arginase i and microbial arginine deiminase, as the biorecognition elements for arginine-selective amperometric biosensors and enzymatic kits" |
| 9:20 – 9:40 | Lecture 2. Justyna Ruchala. "Importance of peroxisomes and peroxisomal enzymes of pentose phosphate pathway for xylose alcoholic fermentation in the thermotolerant methylotrophic yeast *Ogataea polymorpha*" |
| 9:40 – 10:00 | Lecture 3. Daria Fedorovych. "New approaches to improve riboflavin production in the yeast *Candida famata*" |
| 10:00 – 10:20 | Lecture 4. Olena Kurylenko. "Evaluation of transcriptional factors involved in regulation of xylose metabolism and fermentation in the thermotolerant yeast *Ogataea polymorpha*" |
| 10:20 – 10:40 | Lecture 5. Marta Semkiv. “Crude glycerol bioconversion to fuel ethanol by methylotrophic yeasts” |
| 10:40 – 11:00 | Lecture 6. Nataliya Finiuk. "Application of poly-DMAEMA-containing carriers for delivery of plasmid DNA to mammalian cells" |
| 11:00 – 11:20 | Lecture 7. Oleh Smutok. The recombinant yeast Ogataea polymorpha, overproducing flavocytochrome b2, as a tool for L-lactate and chromate analysis, as well as for chromate bioremediation |
| 11:20 – 11:40 | Lecture 8. Volodymyr Granovski. "Expression of heterologous proteins in *E.coli* and *H. polymorpha* using recombinant DNA technologies for vaccine development and diagnostics applications" |
| 11:40 – 11:50 | *Presentation of Xema Company* |
| 11:50 – 12:10 | **Coffee break** |
| 12:10 – 13:00 | Poster session №2(sections 3, 5) |
| 13:00 – 14:00 | **Lunch** (in cafeteria at central building of recreation center “Arnika”, I. Petrasha Str. 30, Yaremche) |
| 14:00 – 18:00 | Yaremche tour |
| 18:00 – 19:00 | **Dinner** (in cafeteria at central building of recreation center “Arnika”, I. Petrasha Str. 30, Yaremche) |
|  | **Or** |
| 19:00 – 22:00 | **Banquet** |
| **CONFERENCE PROGRAM**  **June 21 (FRIDAY)** | |
| 9:00 – 10:40 | Session "**Plant cell biology**"  ***Chair, Alla Yemets (Kyiv)***  (recreation center “Arnika”, central building, I. Petrasha Str. 30, Yaremche) |
| 9:00 – 9:20 | Lecture 1. Alla Yemets. "Lactoferrin expression as a tool for the enhancement of non-specific plant pathogen resistance" |
| 9:20 – 9:40 | Lecture 2. Yuriy Kolupayev. " Nitric oxide, synthesized by nitrate reductase, as participant of transduction of hydrogen sulphide signal at induction of heat resistance of wheat plantlets " |
| 9:40 – 10:00 | Lecture 3. Galyna Shevchenko. "Adaptative changes of proteome in arabidopsis seedlings from chernobyl zone " |
| 10:00 – 10:20 | Lecture 4. Olena Kravets “Role of cytomixis in a mechanism of microsporocyte kariotype rearrangement” |
| 10:20 – 10:40 | Lecture 5. Volodymyr Shkarupa ”Optimized system of analysis of mutagenic modifiers based on the model plant of *Allium сepa L.*” |
| 10:40 – 11:00 | Coffee break |
| 11:00 – 12:20  11:00 – 11:40 | **Plenary session**  ***Chair, Andriy Sibirny (Lviv)***  Yaroslav Blume. " New inhibitors of FtsZ proteins: the way from high-throughput molecular screening up to verification in vitro " |
| 11:40 – 12:20 | Alicja Jozkowicz. “Nrf2 and Keap1: a quintessential duet moonlights in endothelium” |
| 12:20 – 12:40 | Report of Audit Commission on the activities of the Ukrainian Society of Cell Biology for the 2016-2019. |
| 12:40 – 13:20 | Short oral presentations of 5 best posters of young scientists (under 35 years). 5 min presentation+2 min questions. |
| 13:20 – 13:40 | Conference closing ceremony. Young Scientists Award for the best poster presentation. |
| 13:40 – 14:40 | **Lunch** (in cafeteria at central building of recreation center “Arnika”, I. Petrasha Str. 30, Yaremche) |