

**International Symposium on Cell Biology jointly  
with 5<sup>th</sup> Ukrainian Congress for Cell Biology**

**Ilya Mechnikov Odesa National University.**

**CONFERENCE  
PROGRAMME**

**October 2-6, 2016**

## CONFERENCE PROGRAM

### October 2 (SUNDAY)

10:00 – 12:00 Registration of participants of the conference, "Victoriya" hotel, Genuezska Str. 24a, Odesa

12:00 – 14:30 Extension of registration of participants of the conference, Humanities building of Odesa National University, French boulevard, 24/26, Odesa

**14:30 – 15:00 Conference opening, press release for the media**

15:00 – 16:00 **Plenary session**

*Chair, Sibirny Andriy (Lviv)*

Skok Maryna. "Nicotinic acetylcholine receptors in brain cells: the role in regulation of neuroinflammation and memory"

16:00 – 17:00 Gala concert

17:30 – 19:00 Get together party

### October 3 (MONDAY)

9:30 – 13:00 Session "**Cell response on stress**"

*Chair, Gonchar Mykhailo (Lviv)*

(Humanities building of Odesa National University, French boulevard, 24/26, Odesa)

9:30 – 10:00 Lecture 1. Sybirna Nataliya. "Nitration of actin serves as a marker of oxidative-nitrative stress under experimental *diabetes mellitus*"

10:00 – 10:25 Lecture 2. Kit Yuriy. "New 48kda form of unconventional myosin 1c in human blood serum: biological activity and diagnostic perspective"

10:25 – 10:50 Lecture 3. Kolupayev Yuriy. "Responses of pretreated with nitric oxide donor *Arabidopsis thaliana* salicylate-deficient transformants to salt stress"

10:50 – 11:00 Presentation of "Sente Lab Ukraine" company

11:00 – 11:30 Coffee break

11:30 – 11:50 Lecture 4. Veklich Tetyana. "Comparative study of calix[4]arene C-90 action and its analogues on  $Ca^{2+}$ ,  $Mg^{2+}$ -ATPase activity in plasma membrane of uterine myocytes"

11:50 – 12:10 Lecture 5. Smutok Oleh. "Application of recombinant yeast overproducing *D*-lactate cytochrome c oxidoreductase for removal of toxic *D*-lactate from fermented products"

12:10 – 12:30 Lecture 6. Myronovskyy Severyn. "Biological activity of ser-pro-cys-peptide isolated from blood serum"

12:30 – 13:00 Presentation of Bionix Lab Ukraine company

13:00 – 14:30 Lunch (in Cafeteria at Dormitory №5 of Odesa National University, Dovzhenka Str 5a., Odesa)

## CONFERENCE PROGRAM

### October 3 (MONDAY)

14:30 – 16:30 Session "**Biology of stem cells and specialized cells and tissues**"

*Chair, Skok Maryna (Kyiv)*

(Humanities building of Odesa National University, French boulevard,  
24/26, Odesa)

14:30 – 15:00 Lecture 1. Redowicz Maria Jolanta. "A role for unconventional myosin VI in the nervous system: new facts and hypotheses"

15:00 – 15:30 Lecture 2. Jozkowicz Alicja. "To be still young: role of heme oxygenase-1 in hematopoietic stem cells"

15:30 – 15:50 Lecture 3. Bil'ko Nadiya. "Differentiation of pluripotent stem cells into cardiomyocytes is influenced by the seeding density of embryoid bodies"

15:50 – 16:10 Lecture 4. Byelinska Iryna. "Hematological effects of proteinkinase inhibitor – maleimide derivative with anticancer activity"

16:10 – 16:30 Presentation of OPTEC company

16:30 – 17:00 Coffee break

17:00 – 18:00 Poster session (sections 1, 2, 3)

18:00 – 19:00 Dinner (in Cafeteria at Dormitory №5 of Odesa National University, Dovzhenka Str 5a., Odesa)

### October 4 (TUESDAY)

9:30 – 13:00 Session "**Cellular, genetic and metabolic engineering**"

*Chairs, Blume Yaroslav (Kyiv)*

(Humanities building of Odesa National University, French boulevard,  
24/26, Odesa)

9:30 – 9:55 Lecture 1. Dmytruk Kostyantyn. "New approaches for improvement of ethanol production by yeast"

9:55 – 10:20 Lecture 2. Passoth Volkmar "Lipid production by oleaginous yeasts from lignocellulose and crude glycerol for sustainable biodiesel and fish-feed"

10:20 – 10:40 Lecture 3. Ruchala Justyna. "The impact of Cat8 transcriptional activator on regulation of xylose alcoholic fermentation in non-conventional yeasts"

10:40 – 11:00 Lecture 4. Kurylenko Olena. "Yeast *Endomyces magnusii* as a promising host for isobutanol production"

11:00 – 11:30 Coffee break

## CONFERENCE PROGRAM

October 4 (TUESDAY)

- 11:30 – 11:55 Lecture 5. Gonchar Mykhailo. "Overexpression of (His)<sub>6</sub>-tagged microbial creatinine deiminase in cells of *Escherichia coli* "
- 11:55 – 12:20 Lecture 6. Fedorovych Daria. "Participation of riboflavin in chromate detoxification by the yeast *Pichia guilliermondii*"
- 12:20 – 12:40 Lecture 7. Semkiv Marta. "Metabolic engineering of the yeast *Saccharomyces cerevisiae* for enhancement of glycerol synthesis and excretion"
- 12:40 – 13:00 Lecture 8. Kata Iwona. "Metabolic engineering of the yeast *Ogataea (Hansenula) polymorpha* for efficient conversion of waste glycerol to ethanol"
- 13:00 – 14:30 Lunch (in Cafeteria at Dormitory №5 of Odesa National University, Dovzhenka Str 5a., Odesa)
- 14:30 – 16:30 Session "**Tumor cell biology**"  
**Chair, Sidorenko Svitlana (Kyiv)**  
(Humanities building of Odesa National University, French boulevard, 24/26, Odesa)
- 14:30 – 15:00 Lecture 1. Sidorenko Svitlana. "Receptor-mediated signaling in pathobiology of chronic lymphocytic leukemia"
- 15:00 – 15:30 Lecture 2. Panchuk Rostyslav. "Structure-activity relationships underlying specific anticancer potential of landomycin antibiotics"
- 15:30 – 15:50 Lecture 3. Lootsik Maxim. "Enhancement of NK/Ly tumor cells malignancy caused by their prolong passing: significance for experimental studies of anticancer drugs efficacy"
- 15:50 – 16:10 Lecture 4. Antonyuk Volodymyr. "Study of carbohydrate specificity of lectin from *Carp roe (Cyprinus carpio l.)* and its application in histochemistry"
- 16:10 – 16:30 Presentation of the BioLabTech company
- 16:30 – 17:00 Coffee break
- 17:00 – 18:00 Poster session (sections 4, 5, 6)
- 18:00 – 19:00 Dinner (in Cafeteria at Dormitory №5 of Odesa National University, Dovzhenka Str 5a., Odesa)
- Or**
- 18:30 – 21:30 Banquet

## CONFERENCE PROGRAM

### October 5 (WEDNESDAY)

- 9:30 – 11:00 Session "**Apoptosis, autophagy, cell signaling**"  
**Chair, Stoika Rostyslav (Lviv)**  
(Humanities building of Odesa National University, French boulevard, 24/26, Odesa)
- 9:30 – 10:00 Lecture 1. Stasyk Oleh. "Arginine depletion as metabolic anticancer therapy: *pro et contra*"
- 10:00 – 10:30 Lecture 2. Stoika Rostyslav. "Pro-apoptotic effects of novel 4-thiazolidinone derivatives in rat and human glioma cells"
- 10:30 – 11:00 Lecture 3. Sibirny Andriy. "Peroxisomes and their significance for development of biotechnological producers"
- 11:00 – 11:30 Coffee break
- 11:30 – 13:30 Session "**Plant cell biology**"  
**Chair, Yemets Alla (Kyiv)**  
(Humanities building of Odesa National University, French boulevard, 24/26, Odesa)
- 11:30 – 12:00 Lecture 1. Yemets Alla. "Biological synthesis of CdS quantum dots"
- 12:00 – 12:20 Lecture 2. Kovalyova Valentyna. "Structural and functional analysis of Scots pine defensins"
- 12:20 – 12:40 Lecture 3. Karpets Yuriy. "Induction of activity of antioxidant enzymes of plant cells by exogenous nitric oxide depends from redox and calcium homeostasis"
- 12:40 – 13:00 Lecture 4. Grabek-Lejko Dorota. "The antioxidant and anti-cadmium toxicity properties of *Rosa canina* L extracts"
- 13:00 – 14:30 Lunch (in Cafeteria at Dormitory №5 of Odesa National University, Dovzhenka Str 5a., Odesa)
- 14:30 – 17:30 Odesa tour
- 18:00 – 19:00 Dinner (in Cafeteria at Dormitory №5 of Odesa National University, Dovzhenka Str 5a., Odesa)
- Or**
- 18:30-21:00 Visit to the Odesa Opera theatre,  
opera "Zaporozhian Cossack beyond Danube"
- 22:00-22:45 Late supper, "Victoriya" hotel restaurant, Genuezska Str 24a.  
(for those participants who visited Opera House)

## CONFERENCE PROGRAM

### October 6 (THURSDAY)

10:00 – 11:00 **Plenary session**

*Chair, Sibirny Andriy (Lviv)*

Blume Yaroslav. "The role of microtubular cytoskeleton in realization of stress-induced autophagy in plants"

(Humanities building of Odesa National University, French boulevard, 24/26, Odesa)

11:00 – 11:30 Coffee break

11:30 – 12:00 Report of Audit Commission on the activities of the Ukrainian Society of Cell Biology for the 2014-2016.

12:00 – 12:30 Conference closing ceremony. Young Scientists Award for the best poster presentation.