

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
IVAN FRANKO NATIONAL UNIVERSITY OF LVIV
INSTITUTE OF CELL BIOLOGY
NATIONAL ACADEMY OF SCIENCES OF UKRAINE
MINISTRY OF SCIENCE AND HIGHER EDUCATION OF
REPUBLIC OF POLAND
UNIVERSITY OF GDANSK
POMERANIAN UNIVERSITY IN SLUPSK
WESTERN SCIENTIFIC CENTRE OF NAS UKRAINE AND MES UKRAINE

**PROGRAM OF THE
XV INTERNATIONAL SCIENTIFIC CONFERENCE
FOR STUDENTS AND PHD STUDENTS**

YOUTH AND PROGRESS OF BIOLOGY

dedicated to the 135th anniversary of J. Parnas
(Lviv, April 9–11, 2019)



Faculty of Biology
Ivan Franko National University of Lviv



Western Scientific Centre
NAS of Ukraine and MES of Ukraine



Institute of Cell Biology
National Academy of Sciences of Ukraine



University of Gdansk,
Poland



Institut Biologii
i Ochrony Środowiska
Pomeranian University
Slupsk, Poland

КОРОТКА ПРОГРАМА
XV МІЖНАРОДНОЇ НАУКОВОЇ КОНФЕРЕНЦІЇ
СТУДЕНТІВ І АСПІРАНТІВ “МОЛОДЬ І ПОСТУП БІОЛОГІЇ”,
присвяченої 135 річниці від дня народження Я. Парнаса

9 квітня 2019 р.

8:00–10:30	Регистрація учасників	Біологічний факультет <i>вул. Грушевського, 4, 3-й поверх</i>
11:00–14:30	Відкриття конференції. Пленарне засідання	Наукова бібліотека Львівського національного університету імені Івана Франка <i>вул. Драгоманова, 5, 2-й поверх, читальна зала</i>
15:00–18:00	Круглі стіли	Біологічний факультет, <i>вул. Грушевського, 4, 3-й поверх:</i>
15:00–16:00	1 L'ORÉAL-UNESCO ДЛЯ ЖІНОК В НАУЦІ – Світ потребує науки, наука потребує жінок	<i>ауд. 333</i>
15:00–18:00	2 Керівництво неоднорідним науковим колективом (<i>мова проведення – англійська</i>)	<i>ауд. 321</i>
15:00–18:00	3 Керівництво неоднорідним науковим колективом (<i>мова проведення – польська</i>)	<i>ауд. 332</i>
18:00–20:00	Культурна програма	Пішохідні екскурсії Львовом. Відвідини спектаклів і музеїв

10 квітня 2019 р.

9:00–9:30	Вивішування постерів учасників секцій	Біологічний факультет, <i>вул. Грушевського, 4, 3-й поверх</i> Наукова бібліотека, <i>вул. Драгоманова, 5, 2-й поверх, читальна зала</i>
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Перше секційне засідання

9:30–13:00	1 Генетика та біотехнологія	Біологічний факультет, <i>вул. Грушевського, 4, 3-й поверх, ауд. 332</i>
9:30–13:00	2 Біохімія	Наукова бібліотека, <i>вул. Драгоманова, 5, 2-й поверх, читальна зала</i>
15:00–18:30	3 Молекулярна та клітинна біологія	Біологічний факультет, <i>вул. Грушевського, 4, 3-й поверх, ауд. 321</i>

9:30–14:00	4 Мікробіологія, вірусологія та імунологія	Біологічний факультет, <i>вул. Грушевського, 4, 3-й поверх, ауд. 333</i>
9:30–14:00	5 Біофізика 6 Фізіологія людини і тварин, біомедицина	Біологічний факультет, <i>вул. Грушевського, 4, 3-й поверх, ауд. 321</i>
9:30–12:00	7 Зоологія	Біологічний факультет, <i>вул. Грушевського, 4, 3-й поверх, ауд. 316</i>
15:00–18:00	8 Ботаніка та інтродукція рослин 9 Фізіологія рослин	Біологічний факультет, <i>вул. Грушевського, 4, 3-й поверх, ауд. 329</i>
15:00–18:00	10 Екологія	Біологічний факультет, <i>вул. Грушевського, 4, 3-й поверх, ауд. 333</i>
9:30–18:00	Постерна сесія	Біологічний факультет, <i>вул. Грушевського, 4, 3-й поверх</i> Наукова бібліотека, <i>вул. Драгоманова, 5, 2-й поверх, читальна зала</i>
14:00–15:00	<i>ПЕРЕРВА НА ОБІД</i>	

Друге секційне засідання

15:00–18:30	1 Генетика та біотехнологія	Біологічний факультет, <i>вул. Грушевського, 4, 3-й поверх, ауд. 332</i>
15:00–17:00	2 Біохімія	Наукова бібліотека, <i>вул. Драгоманова, 5, 2-й поверх, читальна зала</i>

11 квітня 2019 р.

12:00–15:00	Закриття конференції та нагородження переможців конкурсу на кращу усну доповідь та стендову презентацію	Наукова бібліотека <i>вул. Драгоманова, 5, 2-й поверх, читальна зала</i>
15:00–19:00	Культурна програма	Експерсії Львовом. Відвідини музеїв м. Львова
19:00	Від'їзд учасників	

**SHORT PROGRAM OF THE
XV INTERNATIONAL SCIENTIFIC CONFERENCE
FOR STUDENTS AND PHD STUDENTS
“YOUTH AND PROGRESS OF BIOLOGY”,
dedicated to the 135th anniversary from the birthday of J. Parnas**

April 9, 2019

8:00–10:30	Registration of participants	Faculty of Biology 4, Hrushevskiy Str., 2 nd floor
11:00–14:30	Opening of the Conference. Plenary reports	Scientific Library 5, Drahomanov Str., 1 st floor, Reading Hall
15:00–18:00	Workshops	Faculty of Biology 4, Hrushevskiy Str., 2 nd floor:
15:00–16:00	1 Fellowships – L’Oréal-UNESCO For Women in Science – the World needs Science, Science needs Women	room 333
15:00–18:00	2 Diversity Team Management (<i>language of presentation – English</i>)	room 321
15:00–18:00	3 Zarządzanie różnorodnym zespołem badawczym (<i>language of presentation – Polish</i>)	room 332
18:00–20:00	Cultural program	Walking tours of Lviv. Visit to the theaters and museum

April 10, 2019

8:30–9:30	Posters set up by the participants of sections	Faculty of Biology 4, Hrushevskiy Str., 2 nd floor Scientific Library 5, Drahomanov Str., 1 st floor, Reading Hall
First oral section reports		
9:30–13:00	1 Genetics and Biotechnology	Faculty of Biology 4, Hrushevskiy Str., 2 nd floor, room 332
9:30–13:00	2 Biochemistry	Scientific Library 5, Drahomanov Str., 1 st floor, Reading Hall

15:00–18:30	3 Molecular and Cell Biology	Faculty of Biology 4, Hrushevskyyi Str., 2 nd floor, room 321
9:30–14:00	4 Microbiology, Virology and Immunology	Faculty of Biology 4, Hrushevskyyi Str., 2 nd floor, room 333
9:30–14:00	5 Biophysics 6 Human and Animals Physiology, Biomedicine	Faculty of Biology 4, Hrushevskyyi Str., 2 nd floor, room 321
9:30–12:00	7 Zoology	Faculty of Biology 4, Hrushevskyyi Str., 2 nd floor, room 316
15:00–18:00	8 Botany and Plants Introduction 9 Plants Physiology	Faculty of Biology 4, Hrushevskyyi Str., 2 nd floor, room 329
15:00–18:00	10 Ecology	Faculty of Biology 4, Hrushevskyyi Str., 2 nd floor, room 333
9:30–18:00	Poster session	Faculty of Biology 4, Hrushevskyyi Str., 2 nd floor Scientific Library 5, Drahomanov Str., 1 st floor, Reading Hall
14:00–15:00	Lunch	

Second oral section reports

15:00–18:30	1 Genetics and Biotechnology	Faculty of Biology 4, Hrushevskyyi Str., 2 nd floor, room 332
15:00–17:00	2 Biochemistry	Scientific Library 5, Drahomanov Str., 1 st floor, Reading Hall

April 11, 2019

12:00–15:00	Closing of the Conference and awarding of the best oral report and poster contest winners	Scientific Library 5, Drahomanov Str., 1 st floor, Reading Hall
15:00–19:00	Cultural program	Excursions. Visit museums of Lviv
19:00	Departure of the participants	

ПРОГРАМА

PROGRAM

9 квітня 2019 року
Початок об 11:00

April 9, 2019
Start at 11:00

ПЛЕНАРНЕ ЗАСІДАННЯ

(вул. Драгоманова, 5,
читальна зала)

Головуючі:

член-кор. НАН України,
проф. Гладисhevський Р.,
проф. Венгжин Г.

Церемонія відкриття

PLENARY SESSION

(5, Drahomanov Str.,
Reading Hall)

Head:

corr. member of NAS Ukraine,
prof. Gladyshevskii R.,
prof. Węgrzyn G.

Opening Ceremony

1. **Sybirna N.** JAKUB PARNAS – PASSIONARITY OF SCIENTIFIC TALENT (*Prof., Dr. Sc., Head of the Department of Biochemistry of Ivan Franko National University of Lviv, Lviv, Ukraine*).
2. **Sklyarov O.** THE ROLE OF GAS MEDIATORS (NO, H₂S) IN THE DEVELOPMENT OF INFLAMMATORY PROCESSES OF THE DIGESTIVE ORGANS MUCOUS MEMBRANES (*Prof., Dr. Sc., Department of Biological Chemistry, Danylo Halytsky Lviv National Medical University, Lviv, Ukraine*).
3. **Węgrzyn G.** BACTERIOPHAGES: WHAT DID WE LEARN AND WHAT DO WE HOPE? (*Prof., Dr. Sc., Department of Molecular Biology, University of Gdańsk, Gdańsk, Poland*).
5. **Włoch A.** CAN NOVEL DESIGNED LACTONES WITH 2,5-DIMETHYLPHENYL RING BE POTENTIAL CANDIDATES IN THE CHEMOTHERAPY OF CANCER? (*PhD., Department of Physics and Biophysics, Wrocław University of Environmental and Life Sciences, Wrocław, Poland*).
6. **Łojkowska E.** WACŁAW SZYBALSKI: LWOW, GDANSK, MADISON – LIFE OF SCIENTISTS AND PHILANTHROPIST (*Prof., Dr. Sc., Intercollegiate Faculty of Biotechnology, University of Gdańsk, Gdańsk, Poland*).
7. **Presentation of the book.** Jarosław Abramow-Newerly. PROFERSOR WACŁAW SZYBALSKI O LWOWIE, GENACH, ISTOCIE ZYCIA I NOBLISTACH (*Gdańsk, 2018*).

КРУГЛІ СТІЛЛИ	WORKSHOPS
Біологічний факультет, вул. Грушевського, 4, 3-й поверх, ауд. 321, 332, 333	Faculty of Biology 4, Hrushevskiyi Str., 2 nd floor, rooms 321, 332, 333
9 квітня 2019 року Початок об 15:00	April 9, 2019 Start at 15:00

1. Prof., Dr. Sc. Łojkowska E.

Fellowships – L’Oréal-UNESCO For Women in Science – the World needs Science, Science needs Women

Each year the L’Oréal-UNESCO For Women in Science National and Regional programs granted fellowships to talented young women scientists to pursue the valuable research projects. Currently these programs covering 117 countries. Over 400 international scientists participated in selecting the National and Regional fellows. In Poland the program L’Oreal Poland-UNESCO for Women in Science was established in 2001. Laureates are women finishing habilitation degree, PHD Thesis or Master of Science Thesis. Fellowships are granted to projects concentrated on life science with special attention to the practical aspect of the performed studies.

2. Ass. Prof., PhD., Kosakowska-Berezecka N. (*University of Gdańsk, Poland*)
 DIVERSITY TEAM MANAGEMENT (*Language of presentation – English*)

3. Ass. Prof., PhD., Żadkowska M. (*University of Gdańsk, Poland*)
 ZARZĄDZANIE RÓŻNORODNYM ZESPOŁEM BADAWCZYM
 (*Language of presentation – Polish*)

How to be effective team member? How to manage diverse teams effectively so we achieve our top performance? How to deal with conflicts in teams?

The goal of our workshop is to equip participants with practical knowledge on how to enhance diversity within teams and how to manage it, if one is team member or leader/PI of a group. Diversity can be related to personality differences, different working style but also is a direct result of gender, age and cultural diversity etc. Innovative teams are the ones that are built on diversity. Nevertheless, there are certain conditions that allow team members to work together in synergy and achieve top performance. During our workshop we will thus, together with participants, analyze their strengths and potential in effective teambuilding and team management and apply best practices in diversity team management to their cases/future plans/careers.

The themes discussed during workshop can be used within:

- Building effective team work while conducting research.
- Fostering interpersonal relations with academics.
- Planning your academic career.
- Managing team work while dealing with intercultural/gender differences.
- Communicating about our achievements and goals.
- Dissemination of scientific project outcomes we achieve.

СЕКЦІЯ	SECTION
ГЕНЕТИКА ТА	1 GENETICS AND
БІОТЕХНОЛОГІЯ	BIOTECHNOLOGY

Головуючі:
проф. Федоренко В. О.
доц. Черник Я. І.

Head:
prof. Fedorenko V.
ass. prof. Chernyk Ya.

СТЕНДОВІ ДОПОВІДІ	P	POSTER PRESENTATION
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Біологічний факультет,
вул. Грушевського, 4,
3-й поверх

Faculty of Biology
4, Hrushevskiyi Str.,
2nd floor

9:30–18:00

УСНІ ДОПОВІДІ	O	ORAL REPORTS
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Біологічний факультет,
вул. Грушевського, 4,
3-й поверх, ауд. 332

Faculty of Biology
4, Hrushevskiyi Str.,
2nd floor, room 332

<i>Перше засідання</i>	First session
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10 квітня 2019 року

April 10, 2019

Початок об 9:30

Start at 9:30

- O1.1.** Apunevych H.¹, Matiytsiv N.¹, Yatsenko A.², Shcherbata H.²
 CHANGES IN SWISS CHEESE EXPRESSION DEPEND ON STRESS, AGE AND CIRCADIAN RHYTHM (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine;* ² *Max Planck Institute for Biophysical Chemistry, Göttingen, Germany*).
- O1.2.** Beshliu A., Usatii A., Efremova N. THE EFFECT OF ZnO NANO-PARTICLE ON CARBOHYDRATES CONTENT AT YEAST STRAIN *RHODOSPORIDIUM TORULOIDES* CNMN-Y-30 (*Institute of Microbiology and Biotechnology, Chisinau, Moldova*).
- O1.3.** Buriachenko S. V. DETERMINATION OF VARIABLE LOCI OF THE HA, NA AND NP GENES AS EFFICIENT DNA TARGETS FOR THE GENOTYPING OF INFLUENZA VIRUS SUBTYPES A (H1N1) AND A (H7N9) (*National Scientific Center "Institute of Experimental and Clinical Veterinary Medicine", Kharkiv, Ukraine*).

- O1.4. Pawlowska N., Mojsak D., Leszczyńska A., Lisowski P., Mróz R. M. CRISPR/CAS9 SYSTEM – A MOLECULAR TOOL FOR GENOME EDITING IN THE PULMONARY PATIENTS' iPSC CELLS (*Medical University of Białystok, Białystok, Poland*).**
- O1.5. Ishchenko O. O., Kozub V. V., Volkov R. A. MOLECULAR ORGANIZATION OF 5S rDNA INTERGENETIC SPACER OF THREE ASIAN SPECIES OF GENUS ACER (*Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine*).**
- O1.6. Kozyrieva K., Mykytenko D., Tavokina L., Siroha D., Livshits L. NOVEL COPY NUMBER VARIATIONS REARRANGEMENTS IN PATIENTS WITH GONADAL DYSGENESIS (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*).**
- O1.7. Sirokha D., Kozyrieva K., Horodna O., Livshyts L. MUTATIONS, THAT AFFECT SPLICING OF GENES AR, WT1 IN PATIENTS WITH DISORDERS OF SEX DEVELOPMENT (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*).**

Пepeпa / Coffee break

- O1.8. Melnyk S.¹, Ostash I.¹, Suessmuth R.², Ostash B.¹ ANALYSIS OF SECONDARY METABOLOME OF *S. ROSEOCHROMOGENES* STRAINS WITH EXPRESSION OF HETEROLOGOUS *adpA* GENES (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine*; ² *Technical University of Berlin, Berlin, Germany*).**
- O1.9. Kirichenkova O. P., Hrishchenko N. V. COMPLETE GENOMIC REARRANGEMENTS OF 6 p21 LOCUS IN OVARIAN CANCER TISSUES (¹ *Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*; ² *Institute of Molecular Biology and Genetics NASU, Kyiv, Ukraine*).**
- O1.10. Mudra O.^{1,2}, Klymyshyn N.¹, Stasyk O. V.², Stasyk O. G.^{1,2} EFFECT OF DIFFERENT CARBON SOURCES ON EFFECTIVENESS OF PRODUCTION OF HEPATITIS B VIRUS SURFACE ANTIGEN IN *HANSENULA POLYMORPHA* RECOMBINANT STRAINS (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine*; ² *Institute of Cell Biology, NAS of Ukraine, Lviv, Ukraine*).**
- O1.11. Shymon D.^{1,2}, Inomistova M.^{1,2}, Skachkova O.¹, Gorbach O.¹, Khranovska N.¹ REARRANGEMENT OF CHROMOSOMAL SITES 1p36 AND 11q IN NEUROBLASTOMA (¹ *National Cancer Institute, Kyiv, Ukraine*; ² *Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*).**
- O1.12. Mushvynska V.¹, Tistechok S.¹, Mytsyk Y.¹, Luzhetskyy A.², Fedorenko V.¹, Gromyko O.¹ SCREENING OF THE PRODUCERS OF PAMAMYCIN AMONG THE ACTINOMYCETES STRAINS FROM *JUNIPERUS EXCELSA* BIEB. RHIZOSPHERE (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine*; ² *Pharmazeutische Biotechnologie, Universität des Saarlandes, Saarbrücken, Germany*; *Helmholtz-Institute for Pharmaceutical Research Saarland, Saarbrücken, Germany*).**

*Друге засідання**Second session**10 квітня 2019 року**April 10, 2019*

Початок об 15:00

Start at 15:00

- 01.13. Rymar Y. Y., Pronina O. V., Rushkovsky S. R.** INFLUENCE OF *ΔYKU70* ON THE SECONDARY GROW IN RHO^- *SACCHAROMYCES CEREVISIAE* YEAST STRAINS (*Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*).
- 01.14. Horin M., Matiytsiv N.** THE SEARCH STRATEGY OF CANDIDATES FOR GENE PARTNERS OF THE GENE SWISS *CHEESE DROSOPHILA MELANOGASTER* (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 01.15. Yurchenko A.¹, Karaman G.¹, Hryshchenko N.²** X-LINKED EPIGENETIC FACTORS MODIFYING THE CLINICAL MANIFESTATIONS OF SPINAL MUSCULAR ATROPHY (¹ *Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*; ² *Institute of Molecular Biology and Genetics NASU, Kyiv, Ukraine*).
- 01.16. Kravets V., Ostash B., Koshla O.** PROPERTIES OF *MIA*-MUTANTS OF *STREPTOMYCES ALBUS* SAM2 (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 01.17. Yatskiy Y., Makukh H.** DEVELOPMENT OF THE SYSTEM OF REGISTRATION AND STORAGE OF GENETIC DATA ON AN EXAMPLE OF THE INSTITUTE OF HEREDITARY PATHOLOGY OF THE NAMS OF UKRAINE DNA BANK (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine*; ² *Institute of Hereditary Pathology of National Academy of Medical Sciences of Ukraine, Lviv, Ukraine*).
- 01.18. Popko I., Ostash B., Fedorenko V., Ostash I.** TRANSPOSON MUTAGENESIS OF *STREPTOMYCES ALBUS* (*Ivan Franko National University of Lviv, Lviv, Ukraine*).

Перерва / Coffee break

- 01.19. Rabets A., Syrvatka V., Gromyko O., Tistechok S., Vasylechko V., Fedorenko O.** INFLUENCE OF SCANDIUM CHLORIDE ON *STREPTOMYCES* SP. METABOLISM (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 01.20. Skvortsova M., Tistechok S., Fedorenko V., Gromyko O.** ISOLATION OF ANTARCTIC ACTINOMYCETES FROM *DESCHAMPSIA ANTARCTICA* E.DESV. RHIZOSPHERE AND THEIR ANTIMICROBIAL ACTIVITY (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 01.21. Tsap M., Gorin M., Matiytsiv N.** ORGANOPHOSPHATES AND METABOLIC STRESS SENSITIVITY OF *DROSOPHILA MELANOGASTER* WITH MUTATED MIRNA INVOLVED IN REGULATION OF SWS GENE EXPRESSION (*Ivan Franko National University of Lviv, Lviv, Ukraine*).

- O1.22. Yushchuk O. S., Zhukrovska K. O. A., Fedorenko V. O.** TEI3 SENSOR DOMAIN IS UNABLE TO DETECT GLYCOPEPTIDES *IN VIVO* (Ivan Franko National University of Lviv, Lviv, Ukraine).
- O1.23. Yushchuk O., Vlasiuk I., Ostash I., Fedorenko V., Ostash B.** PROPERTIES OF BASAL ADPA-REGULATORS (Ivan Franko National University of Lviv, Lviv, Ukraine).
- O1.24. Burilo V., Gorbulska S.** THE USE OF TECHNOLOGY OF PROBLEM TRAINING ON GENETIC STUDIES IN A PROFICIENT GENERAL LEARNING SCHOOL (Ivan Franko National University of Lviv, Lviv, Ukraine).
- P1.25. Abramova M., Raksha N.** METHODOICAL APPROACHES TO PURIFICATION FIBRINOGENOLYTICAL ENZYMES FROM THE ANTARCTIC SEA URCHIN *STERECHINUS NEUMAYERI* (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine).
- P1.26. Babko A., Tistechok S., Fedorenko V., Gromyko O.** INFLUENCE OF THE *adpA* PLAYITROPIC TRANSCRIPTIONAL REGULATOR ON THE ANTIBIOTIC ACTIVITY OF STRAINS FROM *JUNIPERUS EXCELSA* BIEB. RISOSPHERE (Ivan Franko National University of Lviv, Lviv, Ukraine).
- P1.27. Mazan K.^{1,2}, Inomistova M.^{1,2}, Skachkova O.¹, Gorbach O.², Khranovska N.¹, Prikhodko I.¹, Klymniuk G.¹** EXPRESSION OF *MDM2* GENE IN NEUROBLASTOMA PRIMARY TUMORS (¹ National Cancer Institute, Kyiv, Ukraine; ² Taras Shevchenko National University of Kyiv, Kyiv, Ukraine).
- P1.28. Nigda A., Tynkevich Y. O., Volkov R. A.** APPLICATION OF PSBA-TRNH IGS FOR DNA BARCODING IN GENUS *LATHYRUS* (Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine).
- P1.29. Ripa O.^{1,2}, Inomistova M.^{1,2}, Skachkova O.¹, Gorbach O.¹, Lyalkin S.¹, Khranovska N.¹** GENETIC POLYMORPHISMS OF TOLL-LIKE RECEPTORS AT TRIPLE-NEGATIVE BREAST CANCER (¹ National Cancer Institute, Kyiv, Ukraine; ² Taras Shevchenko National University of Kyiv, Kyiv, Ukraine).
- P1.30. Shabshai D. E., Papuga A., Ruban T. A., Macewicz L. L., Lukash L. L.** PRODUCTION AND STORAGE OF CONDITIONED CULTURAL MEDIUM AS A POTENTIAL COMPONENT OF WOUND TREATMENT THERAPY (Institute of Molecular Biology and Genetics NASU, Kyiv, Ukraine).
- P1.31. Stefanyuk M., Bodnar L.** EVALUATION OF MUTAGENIC ACTIVITY OF “Vanilla” AND “Cherry” OZHNYA FOOD FERTILIZERS WITH USING PRO- AND EUCARIOTIC TEST SYSTEMS (Ivan Franko National University of Lviv, Lviv, Ukraine).

- P1.32. Svyrydova K.¹, Hryshchenko N.² GENE POLYMORPHISM OF INTERLEUKIN 6 AND INTERLEUKIN 10 IN PATIENTS WITH BREAST CANCER (¹ *Taras Shevchenko National University of Kyiv, Kyiv, Ukraine;* ² *Institute of Molecular Biology and Genetics NASU, Kyiv, Ukraine*).**
- P1.33. Yarvka D. V.¹, Piletska E. V.², Dudey I. Ya.¹, Linnik R. P.³, Zaporozhets O. A.³, Brovko O. O.⁴, Piletsky S. A.², El'skaya A. V.¹, Sergeyeva T. A.¹ OPTICAL BIOSENSOR SYSTEM FOR ZEARALENONE DETECTION BASED ON NANOSTRUCTURED BIOMIMETICS (¹ *Institute of Molecular Biology and Genetics, Kyiv, Ukraine;* ² *University of Leicester, Chemistry Department, College of Science and Engineering, Leicester, UK;* ³ *Taras Shevchenko National University of Kyiv, Kyiv, Ukraine;* ⁴ *Institute of Macromolecular Chemistry, Kiev, Ukraine*).**

СЕКЦІЯ 2 SECTION
БІОХІМІЯ 2 БІОСХІМІСТРІЯ

Головуючі:
проф. Сибірна Н. О.
проф. Венгжин Г.

Head:
prof. Sybirna N.
prof. Węgrzyn G.

СТЕНДОВІ ДОПОВІДІ P POSTER PRESENTATION

Наукова бібліотека,
вул. Драгоманова, 5,
2-й поверх, читальна зала

Scientific Library
5, *Drahomanov Str.*,
1st floor, Reading Hall

9:30–18:00

УСНІ ДОПОВІДІ O ORAL REPORTS

Наукова бібліотека,
вул. Драгоманова, 5,
2-й поверх, читальна зала

Scientific Library
5, *Drahomanov Str.*,
1st floor, Reading Hall

Перше засідання

First session

10 квітня 2019 року
Початок об 9:30

April 10, 2019
Start at 9:30

- O2.1. Peshkova S.^{1,2}, Bilyu R.¹, Sybirna N.², Dumych T.¹, Paryzhak S.¹**
INFLUENCE OF NANOSTRUCTURAL ORGANIZATION OF ALUMINUM COMPOUNDS ON THEIR ADJUVANT PROPERTIES (¹ *Danylo Halytsky Lviv National Medical University, Lviv, Ukraine*; ² *Ivan Franko National University of Lviv, Lviv, Ukraine*).
- O2.2. Bila I., Brodyak I., Sybirna N.** THE INFLUENCE OF AGMATIN ON CONTENT OF SOME METABOLITES OF OXIDATIVE-NITRATIVE STRESS IN BLOOD LEUKOCYTES UNDER STREPTOZOTOCIN-INDUCED DIABETES MELLITUS (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- O2.3. Bren I., Shaulska O.** ACTIVITY OF THE MATRIX METALLO-PROTEINASES MMP2/MMP9 IN RATS WITH EXPERIMENTAL MYOCARDIAL ISCHEMIA (*State Institution "Dnipro Medical Academy" of the Ministry of Health of Ukraine, Dnipro, Ukraine*).

- 02.4. Dimitrov S., Gordienko U., Shevtsova A. THE ROLE OF CIRCULATION DNA IN SUPPORT OF HEMOSTASIS (*State Institution “Dnipro Medical Academy” of the Ministry of Health of Ukraine, Dnipro, Ukraine*).**
- 02.5. Dzydzan O.¹, Bila I.¹, Kucharska A. Z.², Brodyak I.¹, Sybirna N.¹ EFFECT OF THE EXTRACT FROM YELLOW FRUITS OF *CORNUS MAS L.* ON THE MARKERS OF ANTIOXIDANT SYSTEM IN RATS’ BLOOD LEUKOCYTES UNDER CONDITIONS OF STREPTOZOTOCIN-INDUCED DIABETES MELLITUS (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine*; ² *Wroclaw University of Environmental and Life Sciences, Wroclaw, Poland*).**
- 02.6. Freivald S., Neka A., Tkachenko V. THE EFFECTS OF CORVITINE ON CARBONYL-OXIDATIVE STRESS INDICATORS UNDER PITUITRINE-ISOPRENALINE-INDUCED MYOCARDIAL DAMAGE (*State Institution “Dnipro Medical Academy” of the Ministry of Health of Ukraine, Dnipro, Ukraine*).**
- 02.7. Hertsyk D., Sabadashka M., Sybirna N. RED WINE POLYPHENOLE EFFECT ON ERYTHRON SYSTEM UNDER EXPERIMENTAL DIABETES MELLITUS (*Ivan Franko National University of Lviv, Lviv, Ukraine*).**

Перепа / Coffee break

- 02.8. Holinei T., Voloshchuk O. THE CONTENT OF METABOLITES OF GLYCOGENESIS IN THE RAT LIVER UNDER CONDITIONS OF DIFFERENT CONTENT OF NUTRIENTS IN DIET (*Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine*).**
- 02.9. Hruba O.^{1,2}, Stasyk O. V.², Stasyk O. G.^{1,2} INFLUENCE OF AGMATINE AND DEFICIENCY OF ARGININ ON THE PROCESSES OF AUTOFAGI DEGRADATION OF HUMAN ALPHA-SYNUCLEIN IN *HANSENULA (OGATATEA) POLYMORPHA* MODELS STRAIN (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine*; ² *Institute of Cell Biology, NAS of Ukraine, Lviv, Ukraine*).**
- 02.10. Karmash O.¹, Folovko P.¹, Maslakova A.¹, Liuta M.¹, Korobov A.², Sybirna N.¹ THE EFFECT OF PHOTOBIO-MODULATION THERAPY ON ANTIOXIDANT SYSTEM STATE OF RAT’S BLOOD LEUKOCYTES DURING DIABETES MELLITUS (¹ *Ivan Franko National University of Lviv*; ² *V. N. Karazin Kharkiv National University, Kharkiv, Ukraine*).**
- 02.11. Khoma V.¹, Gnatyshyna L.^{1,2}, Horyn O.¹, Lahita V.², Mishchuk O.³, Stoliar O.¹ BIOCHEMICAL RESPONSES OF BIVALVE MOLLUSK IN THE CO-EXPOSURE TO DICLOFENAC, NIFEDIPINE AND GLYPHOSATE ARE DISTORTED BY HEATING (¹ *Ternopil National Pedagogical University, Ternopil, Ukraine*; ² *I. Ya. Horbachevsky Ternopil State Medical University, Ternopil, Ukraine*; ³ *Rowan University, Glassboro, USA*).**

<i>Друге засідання</i>	<i>Second session</i>
<p><i>Головуючі:</i> проф. Сибірна Н. О. доц. Нагалєвська М. Р.</p>	<p><i>Head:</i> prof. Sybirna N. ass. prof. Nagalievsk M.</p>
<p><i>10 квітня 2019 року</i> Початок об 15:00</p>	<p><i>April 10, 2019</i> Start at 15:00</p>
<p>02.12. <u>Petryn T., Nagalievsk M., Sybirna N.</u> BLOOD CELLS MORPHO-FUNCTIONAL CHANGES IN LIPID-INDUCED METABOLIC SYNDROME (<i>Ivan Franko National University of Lviv, Lviv, Ukraine</i>).</p> <p>02.13. <u>Polishchuk N., Chorny S.</u> THE IMPACT OF ARGININE LIMITATION IN COMBINATION WITH CANAVANINE TREATMENT ON CELL VIABILITY AND PI3K/AKT/mTORC1 SIGNALING PATHWAY IN COLON CARCINOMA CELLS (<i>Institute of Cell Biology, NAS of Ukraine, Lviv, Ukraine</i>).</p> <p>02.14. <u>Revka O., Patalakh I., Misztal T., Marcińczyk N., Gołaszewska A., Grinenko T.</u> PLATELETS AS COORDINATION CENTERS OF FIBRIN FORMATION, STRUCTURING OF FIBRIN NETWORK AND INITIATION OF FIBRINOLYSIS (<i>Palladin Institute of Biochemistry, NAS of Ukraine, Kyiv, Ukraine</i>).</p> <p>02.15. <u>Sarai I.</u>^{1,2}, <u>Stasyk O. V.</u>², <u>Stasyk O. G.</u>¹ EFFECT OF SPERMIDINE ON PROOXIDANT-ANTIOXIDANT BALANCE IN <i>OGATAEA POLYMORPHA</i> MODEL STRAIN, THAT SYNTHESIZE HUMAN ALPHA-SYNUCLEIN (¹ <i>Ivan Franko National University of Lviv, Lviv, Ukraine</i>; ² <i>Institute of Cell Biology, NAS of Ukraine, Lviv, Ukraine</i>).</p> <p>02.16. <u>Shcherba A. T., Sabadashka M. V., Sybirna N. O.</u> CHANGES OF IMMUNOCOMPETENT FUNCTIONAL CELLS ACTIVITY IN THE CASE OF EXPERIMENTAL DIABETES MELLITUS AND UNDER THE ADMINISTRATION OF RED WINE POLYPHENOL COMPLEX CONCENTRATE (<i>Ivan Franko National University of Lviv, Lviv, Ukraine</i>).</p> <p>02.17. <u>Zayachkivska A., Strutynska T., Tymiv V., Burdyliuk N., Strilbytska O., Lushchak O.</u> POTENTIAL USING OF NANOPARTICLES IN TREATMENT OF DIABETES MELLITUS (<i>Vasyl Stefanyk Precarpathian National University, Ivano-Frankivsk, Ukraine</i>).</p> <p>P2.18. <u>Khomiakova I., Kuzniak O., Vatashchuk M.</u> ACTIVITY OF ANTI-OXIDANT ENZYMES AND INDICATORS OF OXIDATIVE STRESS IN MICE'S LIVER UNDER INTERMITTENT FASTING (<i>Vasyl Stefanyk Precarpathian National University, Ivano-Frankivsk, Ukraine</i>).</p>	

- P2.19.** Krenytska D., Yurchenko A., Serbin A. S. THE PEPTIDS PROFILE CHANGES IN TISSUES AS A FACTOR OF ORGANISM METABOLIC DYSFUNCTION UNDER THE CONDITION OF EXPERIMENTAL OBESITY IN RATS (*ESC "Institute of Biology and Medicine" Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*).
- P2.20.** Kurvs P., Strugala P., Kucharska A. Z., Gabrielska J. INTERACTION OF PURPLE POTATOES EXTRACT WITH LIPID MEMBRANE AND ITS BIOACTIVITY ASSOCIATION (*Wroclaw University of Environmental and Life Sciences, Wroclaw, Poland*).
- P2.21.** Kyrychenko V. INFLUENCE OF METABOLIC SYNDROME ON THE NERVOUS SYSTEM (*Oles Honchar Dnipro National University, Dnipro, Ukraine*).
- P2.22.** Litwa W.¹, Frydrych A.¹, Milek M.², Dzukan M.² ANTIOXIDANT ACTIVITY AND CONTENT OF PHENOLIC COMPOUNDS IN GREEN WALNUTS (*Juglans regia L.*) (¹ *Students Scientific Group of Food Technologists "FERMENT", University of Rzeszów, Rzeszów, Poland*; ² *Faculty of Biology and Agriculture, University of Rzeszów, Rzeszów, Poland*).
- P2.23.** Lozynska U., Nagalievska M., Sybirna N. CREATION OF A MODEL OF CARBOHYDRATE-INDUCED METABOLIC SYNDROME IN RATS (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- P2.24.** Melnyk T., Dmytryk V. CHANGES IN POLYPEPTIDE POOL LEVEL IN PATIENTS WITH BLADDER CANCER (*ESC "Institute of Biology and Medicine" Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*).
- P2.25.** Murdasov E., Kyrychenko S. INFLUENCE OF LONG-TERM HYPERCHLICEMIA ON LIPID EXCHANGE (*Oles Honchar Dnipro National University, Dnipro, Ukraine*).
- P2.26.** Nikolaienko K., Baidan A. BIOCHEMICAL FUNCTIONS OF THIAMINE AND ITS CATABOLITES. (*Odessa National I. I. Mechnikov University, Odessa, Ukraine*).
- P2.27.** Panek A.¹, Szypuła K.¹, Kluz M.² PRO-HEALTH AND ANTIMICROBIAL PROPERTIES OF MANGOSTEEN (¹ *Students Scientific Group of Food Technologists "FERMENT", University of Rzeszów, Rzeszów, Poland*; ² *Department of Bioenergetics and Food Analysis, University of Rzeszow, Rzeszow, Poland*).
- P2.28.** Panek M.¹, Kluz M.² THE EFFECT OF ESSENTIAL OILS ON THE MICROBIOLOGICAL STABILITY OF BEEF MEAT (¹ *Students Scientific Group of Food Technologists "FERMENT", University of Rzeszów, Rzeszów, Poland*; ² *Department of Bioenergetics and Food Analysis, University of Rzeszow, Rzeszow, Poland*).

- P2.29.** Pastuszczak M.¹, Panek A.¹, Kluz M.² ANTIMICROBIAL PROPERTIES OF KOMBUCHA (¹ *Students Scientific Group of Food Technologists “FERMENT”, University of Rzeszów, Rzeszów, Poland;* ² *Department of Bioenergetics and Food Analysis, University of Rzeszow, Rzeszow, Poland*).
- P2.30.** Pidluzhna M. P.^{1, 2}, Gayda G. Z.² PRACTICAL APPLICATION OF AN ENZYMATIC-CHEMICAL METHOD FOR DETERMINATION OF L-LACTATE BASED ON FLAVOCITOCROME *b*₂ WITH THE BERLIN BLUE FORMATION (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine;* ² *Institute of Cell Biology, NAS of Ukraine, Lviv, Ukraine*).
- P2.31.** Rarok Y.¹, Khoma V.¹, Gnatyshyna L.^{1, 3}, Horyn O.¹, Druvietis I.², Ozoliņš D.², Parele E.², Skuja A.², Kokorīte I.², Falfushynska H.¹, Sprīņģe G.², Stoliar O.¹ DIFFERENT VULNERABILITY OF INDIGENOUS AND INVASIVE BIVALVE MOLLUSKS TO ENVIRONMENTAL IMPACT DETECTED FROM THEIR RESPONSES OF STRESS AND TOXICITY (¹ *Ternopil National Pedagogical University, Ternopil, Ukraine;* ² *University of Latvia, Institute of Biology, Salaspils, Latvia;* ³ *I. Ya. Horbachevsky Ternopil State Medical University, Ternopil, Ukraine*).
- P2.32.** Rożek P.¹, Kluz M.² ANTIMICROBIAL EFFECT OF DIFFERENT CHOCOLATES (¹ *Students Scientific Group of Food Technologists “FERMENT”, University of Rzeszów, Rzeszów, Poland;* ² *Department of Bioenergetics and Food Analysis, University of Rzeszow, Rzeszow, Poland*).
- P2.33.** Slyvchuk O. Yu.^{1, 2}, Syrvatka V. Ja.², Shtapenko O. V.², Gevkan I. I.², Klymyshyn N. I.¹ DYNAMICS OF BIOCHEMICAL INDICATORS OF RABBITS BLOOD SERUM FOR ACTION OF NANO-PARTICIPANTS OF CUPRUM (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine;* ² *Institute of Animal Biology, NAAS of Ukraine, Lviv, Ukraine*).
- P2.34.** Svyshch I.^{1, 2}, Fayura L.², Klymyshyn N.¹ PREPARATION OF LYOPHILIZED AMINORIBOFLAVIN USING THE HETEROLOGOUS EXPRESSION OF THE KEY GENE OF AMINORIBOFLAVIN BIOSYNTHESIS *ROS B STREPTOMYCES DAVAWENSIS* IN THE YEAST *KOMAGATAELLA PHAFFII*. (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine;* ² *Institute of Cell Biology, NAS of Ukraine, Lviv, Ukraine*).
- P2.35.** Szypuła K.¹, Kluz M.² THE INFLUENCE OF ESSENTIAL OILS ON THE MICROBIOLOGICAL QUALITY OF POULTRY MEAT (¹ *Students Scientific Group of Food Technologists “FERMENT”, University of Rzeszów, Rzeszów, Poland;* ² *Department of Bioenergetics and Food Analysis, University of Rzeszow, Rzeszow, Poland*).
- P2.36.** Vatashchuk M., Sorochynska O., Khomiakova I. MODIFICATION OF MOUSE METABOLISM BY INTERMITTENT FASTING (*Vasyl Stefanyk Precarpathian National University, Ivano-Frankivsk, Ukraine*).

СЕКЦІЯ
МОЛЕКУЛЯРНА ТА
КЛІТИННА БІОЛОГІЯ

Головуючі:
доц. Стасик О. Г.
доц. Климичин Н. І.

SECTION
3 MOLECULAR AND CELL
BIOLOGY

Head:
ass. prof. Stasyk O.
ass. prof. Klymyshyn N.

СТЕНДОВІ ДОПОВІДІ P POSTER PRESENTATION

Біологічний факультет,
вул. Грушевського, 4,
3-й поверх

Faculty of Biology
4, Hrushevskiy Str.,
2nd floor

9:30–18:00

УСНІ ДОПОВІДІ O ORAL REPORTS

Біологічний факультет,
вул. Грушевського, 4,
3-й поверх, ауд. 321

Faculty of Biology
4, Hrushevskiy Str.,
2nd floor, room 321

10 квітня 2019 року
Початок об 15:00

April 10, 2019
Start at 15:00

- 03.1. Andreieva Y.¹, Dmytruk K.¹, Sibirny A.^{1,2}** EVALUATION OF THE IMPACT OF *VMA1* GENE-DELETION ON THE RIBOFLAVIN PRODUCTION IN THE FLAVINOGENIC YEAST *CANDIDA FAMATA* (¹ *Institute of Cell Biology National Academy of Sciences of Ukraine, Lviv, Ukraine;* ² *University of Rzeszow, Rzeszow, Poland*).
- 03.2. Bdzhola A., Savinska L.** EVALUATION OF P70 S6 KINASE 1 N-TERMINAL DOMEN DEFICIENT ISOFORM EXPRESSION UNDER DIFFERENT CONDITIONS (*Institute of Molecular Biology and Genetics NASU, Kyiv, Ukraine*).
- 03.3. Bortnichuk L.¹, Balatskyi V.², Macewicz L.², Myronova A.¹, Piven O.²** THE ACTIVITY OF CANONICAL WNT SIGNALING IN ADULT MOUSEHEART DURING PHYSICAL TRAINING (¹ *Taras Shevchenko National University of Kyiv, Kyiv, Ukraine;* ² *Institute of Molecular Biology and Genetics NASU, Kyiv, Ukraine*).

- 03.4. Brativchuk D.^{1,2}, Kurylenko O.², Sybirna N.¹** INVESTIGATION OF THE ROLE OF PEROXISOMAL ENZYMES IN XYLOSE METABOLISM AND ALCOHOLIC FERMENTATION IN THE YEAST *OGATAEA POLYMORPHA* (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine*; ² *Institute of Cell Biology, NAS of Ukraine, Lviv, Ukraine*).
- 03.5. Fedorko Y.^{1,2}, Klymyshyn N.¹, Stasyk O. V.², Stasyk O. G.^{1,2}** INFLUENCE OF EXOGENOUS SPERMIDINE AND TREGALOSE ON AUTOPHAGIC DEGRADATION PROCESSES OF HETEROLOGOUS HUMAN ALPHA-SINUCLEIN IN *HANSENULA (OGATEAE) POLYMORPHA* (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine*; ² *Institute of Cell Biology, NAS of Ukraine, Lviv, Ukraine*).
- 03.6. Hrushanyk N.^{1,2}, Stasyk O. V.², Stasyk O. G.¹** EFFECT OF AGMATINE ON PROOXIDANT-ANTIOXIDANT BALANCE IN *HANSENULA (OGATEAE) POLYMORPHA* MODEL STRAIN WITH HUMAN ALPHA-SYNUCLEIN EXPRESSION (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine*; ² *Institute of Cell Biology, NAS of Ukraine, Lviv, Ukraine*).
- 03.7. Kholodniuk V., Huryn V., Gordiienko I., Shlapatska L.** CD150 AND CD180 CELL SURFACE RECEPTORS ARE NEGATIVE REGULATORS OF IL-6 AND IL-10 mRNA EXPRESSION IN CHRONIC LYMPHOCYTIC LEUKEMIA B CELLS (*R. E. Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology NAS of Ukraine, Kyiv, Ukraine*).
- 03.8. Klishch M.^{1,2}, Korchynskyi O.²** POLYMORPHISMS IN KRÜPPEL-LIKE FACTOR 10 GENE AS A POSSIBLE CAUSE OF ITS HYPERFUNCTION RESULTING IN MUSCULAR DYSTROPHIES (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine*; ² *Institute of Cell Biology, NAS of Ukraine, Lviv, Ukraine*).

Перепа́а / Coffee break

- 03.9. Lavrynenko K.¹, Kozakov D.¹, Kropyvko S.²** IDENTIFICATION OF PROTEIN INTERACTIONS BETWEEN INVADOPODIA SCAFFOLD PROTEIN TKS4 AND SH3-DOMAINS OF PROTEINS WITH DIFFERENT ORIGIN (¹ *ESC “Institute of Biology and Medicine” Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*; ² *Institute of Molecular Biology and Genetics NASU, Kyiv, Ukraine*).
- 03.10. Meleshko T.¹, Tsmur O.¹, Lasarenko L.², Spivak M.², Boyko N.¹** CREATION OF LACTOBACILLI BASED IMMUNOBOTICS FOR PREVENTION AND TREATMENT OF INFECTIOUS-INFLAMMATORY DISEASES OF THE HUMAN UROGENITAL SYSTEM (¹ *Scientific Research and Educational Center of Molecular Microbiology and the Immunology of Mucous Membranes Uzhhorod National University, Uzhhorod, Ukraine*; ² *D. K. Zabolotny Institute of Microbiology and Virology NAS of Ukraine, Kyiv, Ukraine*).

- 03.11. Myronova A.¹, Balatskyi V.², Bortnichuk L.¹, Ruban T.², Macewicz L.², Piven O.²** CRISPRa-MEDIATED ACTIVATION OF THE EXPRESSION OF GENES INVOLVED INTO CARDIOMYOGENIC DIFFERENTIATION IN RAT EMBRYONIC FIBROBLASTS (¹ Taras Shevchenko National University of Kyiv, Kyiv, Ukraine; ² Institute of Molecular Biology and Genetics NASU, Kyiv, Ukraine).
- 03.12. Nemesh Y., Kropyvko S.** INVESTIGATION OF INTERACTION INVADOPODIA SCAFFOLD PROTEIN TKS5 WITH PROTEINS SHIP2, CIN85, AND CR16 (*Institute of Molecular Biology and Genetics NASU, Kyiv, Ukraine*).
- 03.13. Overchuk M.^{1,2}, Harmatys K. M.², Sindhvani S.¹, Syed A. M.¹, Juan Chen J.², Pomper M. G.³, Chan W.¹, Wilson B.^{2,4}, Zheng G.^{2,4}** GIVING NANOMEDICINE A BOOST: INCREASING TUMOR NANOPARTICLE UPTAKE WITH SUBTHERAPEUTIC PHOTODYNAMIC THERAPY (¹ Institute of Biomaterials and Biomedical Engineering, University of Toronto, Toronto, ON, Canada; ² Princess Margaret Cancer Centre, University Health Network, Toronto, ON, Canada; ³ The Russell H. Morgan Department of Radiology and Radiological Science, Johns Hopkins Medical Institutions, Baltimore, MD, United States; ⁴ Medical Biophysics, University of Toronto, Toronto, ON, Canada).
- 03.14. Rudnytska M.** THE EFFECT OF METHYURE DRUG ON KINETIC PARAMETERS OF Ca²⁺/H⁺ ANTIporter IN PLASMA MEMBRANE FROM CORN SEEDLING ROOTS (*M. G. Kholodny Institute of Botany, NAS of Ukraine, Kyiv, Ukraine*).
- 03.15. Tryhub S.-M.¹, Skorokhyd N.², Pastor M.³, Ramos A.³, Panchuk R.², Sybirna N.¹** STRUCTUREAL AND FUNCTIONAL RELATIONSHIPS UNDERLYING ANTICANCER ACTIVITY OF NOVEL DUAL CK2-HDAC INHIBITORS (¹ Ivan Franko National University of Lviv, Lviv, Ukraine; ² Institute of Cell Biology, NAS of Ukraine, Lviv, Ukraine; ³ CEU San Pablo University, Madrid, Spain).
- P3.16. Aristova D. I.¹, Chernii S. V.¹, Slominskii Yu. L.², Yarmoluk S. M.¹, Kovalska V. B.¹** PENTAMETHINE CYANINES AS FLUORESCENT DYES SENSITIVE FOR SERUM ALBUMINS (¹ Institute of Molecular Biology and Genetics NASU, Kyiv, Ukraine; ² Institute of Organic Chemistry National Academy of Sciences of Ukraine, Kyiv, Ukraine).
- P3.17. Buzun K.¹, Szymanowska A.¹, Szymanowski W.¹, Popiawska B.¹, Gornowicz A.¹, Mojzych M.², Bielawska A.¹, Bielawski K.¹** THE CYTOTOXIC POTENTIAL OF NOVEL TRICYCLIC 1,2,4-TRIAZINE DERIVATIVES IN MDA-MB-231 BREAST CANCER CELLS (¹ Medical University of Bialystok, Bialystok, Poland; ² Siedlce University of Natural Sciences and Humanities, Siedlce, Poland).

- P3.18.** Dubovtseva L., Domanska O., Garmanchuk L., Ostrovska G. MORPHO-FUNCTIONAL CHARACTERISTICS OF MCF-7 BREAST CANCER CELL LINE UNDER THE INFLUENCE OF 4-[(E)-2-PHENYLETHENESULFONAMIDO]-N-HYDROXYBUTANAMIDE (*ESC “Institute of Biology and Medicine” Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*).
- P3.19.** Katashynska D., Zhukova D., Manoiliiv K. RECOMBINANT SUBUNIT OF DIPHTHERIAE TOXIN AS TOOL FOR DELIVERY OF CURCUMIN TO CANCER CELLS (*Palladin Institute of Biochemistry, NAS of Ukraine, Kyiv, Ukraine*).
- P3.20.** Kruk B.¹, Ruchala J.¹, Kurylenko O.², Dmytruk K.², Sibirny A.^{1,2} THE ROLE OF TRANSCRIPTIONAL FACTORS *MIG1*, *MIG2* AND *CAT8* ON XYLOSE ALCOHOLIC FERMENTATION IN THE RECOMBINANT STRAINS OF *SACCHAROMYCES CEREVISIAE* AND *OGATAEA POLYMORPHA* (¹ *University of Rzeszow, Rzeszow, Poland*; ² *Institute of Cell Biology, National Academy of Science of Ukraine, Lviv, Ukraine*).
- P3.21.** Stupak I., Rizhikova M., Senchylo N., Ostrovska G. MORPHO-FUNCTIONAL CHARACTERISTICS OF T-LYMPHOCYTES FOR ACTIVITY OF THYCHOYA ACID (*ESC “Institute of Biology and Medicine” Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*).
- P3.22.** Szymanowska A.¹, Szymanowski W.¹, Buzun K.¹, Gornowicz A.¹, Czarnomysy R.¹, Mojzych M.², Bielawska A.¹, Bielawski K.¹ THE INFLUENCE OF NOVEL 1,2,4-TRIAZINE DERIVATIVES ON THE ACTIVITY OF CASPASE-8 AND CASPASE-10 IN HUMAN COLON CANCER CELLS (¹ *Medical University of Bialystok, Bialystok, Poland*; ² *Siedlce University of Natural Sciences and Humanites, Siedlce, Poland*).
- P3.23.** Szymanowski W.¹, Szymanowska A.¹, Buzun K.¹, Gornowicz A.¹, Czarnomysy R.¹, Popiawska B.¹, Mojzych M.², Bielawski K.¹, Bielawska A.¹ THE EXPRESSION OF CASPASE -3 AND -9 AFTER TREATMENT WITH NOVEL SERIES OF 1,2,4-TRIAZINE DERIVATIVES IN DLD-1 COLON CANCER CELLS (¹ *Medical University of Bialystok, Poland*; ² *Siedlce University of Natural Sciences and Humanities, Siedlce, Poland*).
- P3.24.** Zubarieva O., Drevytska T., Dosenko V. CHANGE OF HIF SYSTEM GENE EXPRESSION IN NORMO- AND HYPERTENSION RATS AT AGEING (*Bogomoletz Institute of Physiology, NAS of Ukraine, Kiev, Ukraine*).

СЕКЦІЯ	SECTION
МІКРОБІОЛОГІЯ, ВІРУСОЛОГІЯ ТА ІМУНОЛОГІЯ	4 MICROBIOLOGY, VIROLOGY AND IMMUNOLOGY

Головуючі:
проф. Гнатуш С. О.
доц. Перетятко Т. Б.

Head:
prof. Hnatush S.
ass. prof. Peretyatko T.

СТЕНДОВІ ДОПОВІДІ	P	POSTER PRESENTATION
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Біологічний факультет,
вул. Грушевського, 4,
3-й поверх

Faculty of Biology
4, Hrushevskiyi Str.,
2nd floor

9:30–18:00

УСНІ ДОПОВІДІ	O	ORAL REPORTS
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Біологічний факультет,
вул. Грушевського, 4,
3-й поверх, ауд. 333

Faculty of Biology
4, Hrushevskiyi Str.,
2nd floor, room 333

10 квітня 2019 року

April 10, 2019

Початок об 9:30

Start at 9:30

- 04.1. Dukhno E., Kornienko N., Kharina A. PRIMARY IDENTIFICATION OF *ERWINIA HERBICOLA* IN ONIONS AND SEARCH FOR ITS SPECIFIC BACTERIOPHAGES (ESC “Institute of Biology and Medicine” Taras Shevchenko National University of Kyiv, Kyiv, Ukraine).**
- 04.2. Jaroszewicz W.¹, Lubomska D.¹, Sobiecki J.¹, Kosznik-Kwaśnicka K.², Węgrzyn A.² EFFECTS OF DIFFERENT ISOLATION MEDIA ON THE EFFICIENCY OF BACTERIAL RECOVERY FROM MOONMILK SAMPLES DERIVED FROM TATRA CAVES IN POLAND (¹ University of Gdańsk, Gdańsk, Poland; ² Institute Biochemistry and Biophysics, Polish Academy of Sciences, Gdańsk, Poland).**
- 04.3. Kovtun I., Strashnova I. ISOLATION OF BACTERIA OF *LACTOBACILLUS* GENUS FROM SPONGES OF THE BLACK SEA AND DETERMINATION OF THEIR ABILITY TO ACID FORMATION (Odessa National I. I. Mechnikov University, Odessa, Ukraine).**

- 04.4. **Koznik-Kwaśnicka K.¹, Ciemicska K.², Grabowski J.², Jurczak-Kurek A.², Węgrzyn A.¹** THE EFFECTS OF DIFFERENT GROWTH CONDITIONS OF THE HOST ON PHAGE EFFICACY AGAINST SALMONELLA ENTERICA CONTAMINATION OF POULTRY AND POULTRY-DERIVED PRODUCTS (¹ *Institute Biochemistry and Biophysics, Polish Academy of Sciences, Gdansk, Poland;* ² *University of Gdansk, Gdansk, Poland*).
- 04.5. **Pallag O., Boyko N.** PRO- AND ANTIBACTERIAL PROPERTIES OF EDIBLE PLANT EXTRACTS (*Scientific Research and Educational Center of Molecular Microbiology and the Immunology of Mucous Membranes Uzhhorod National University, Uzhhorod, Ukraine*).
- 04.6. **Shybanov S., Stakhurska O., Kharina A., Kompanets T., Budzanivska I.** DIAGNOSIS AND PHYLOGENETIC ANALYSIS OF ACUTE BEE PARALYSIS VIRUS (*ESC “Institute of Biology and Medicine” Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*).
- 04.7. **Tsaruk A.¹, Kurylenko O.²** ENGINEERING OF THE METHYLOTROPHIC YEAST *OGATAEA POLYMORPHA* WITH INCREASED EXPRESSION OF *SAT1* AND *CYS1* GENES INVOLVED IN BIOSYNTHESIS OF CYSTEINE (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine;* ² *Institute of Cell Biology, NAS of Ukraine, Lviv, Ukraine*).

Перепра / Coffee break

- 04.8. **Dvuliat-Leshnevska I., Zakharko S., Halushka A., Hnatush S.** TRANSFORMATION OF ORGANIC COMPOUNDS OF MINERAL WATER OF NATURAL SPRINGS BY MICROORGANISMS AT THE ADDITION OF OZOCERITE (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 04.9. **Hurko O.-O., Prytula S., Dvuliat-Leshevska I., Hnatush S.** CHARACTERISTICS OF MICROBIOCENOSIS OF MINERAL WATER SPRINGS IN BORYSLAV (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 04.10. **Kashuba L. V., Shakh N. A., Maslovska O. D., Hnatush S. O.** RESISTANT TO HEAVY METAL IONS STRAINS OF MICROORGANISMS, ISOLATED FROM LAKES OF INFILTRATES OF LVIV SOLID WASTE LANDFILL (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 04.11. **Komplikevch S., Dudar O., Bulka I., Zinkovska V., Maslovska O., Hnatush S.** LIPID PEROXIDATION PROCESSES IN *RHODOPSEUDOMONAS YAVOROVII* IMB B-7620 CELLS UNDER THE INFLUENCE OF COBALT CHLORIDE (*Ivan Franko National University of Lviv, Lviv, Ukraine*).

- 04.12. Kuryliuk M., Halushka A., Peretyatko T.** SULFIDOGENIC ACTIVITY OF THERMOPHILIC SULFUR-REDUCING BACTERIA, ISOLATED FROM PIT “NADIIA” WASTE HEAP OF CHERVONOHRAD MINING REGION (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 04.13. Meniv N., Diakiv S., Hnatush S.** BACTERIA OF SULFUR CYCLE, WHICH PROVIDE TRANSFORMATION OF SULFUR COMPOUNDS IN RHIZOSPHERE OF PLANTS, IN THE TERRITORY OF CHERVONOGRAD MINING REGION (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 04.14. Pavliukh K., Yavorska G.** OVEREXPRESSION OF RIBOFLAVIN EXCRETASE INCREASES FLAVINOGENIC ACTIVITY OF YEAST CANDIDA FAMATA (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- P4.15. Bondarenko A.¹, Topchiiy A.², Abdulina D.³** SYNTHESIS OF METABOLITES BY SULFATE-REDUCING BACTERIA UNDER INFLUENCE OF POLYMERIC AND RUBBER MATERIALS (¹ *National University of Food Technologies, Kyiv, Ukraine*; ² *Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*; ³ *D. K. Zabolotny Institute of Microbiology and Virology NAS of Ukraine, Kyiv, Ukraine*).
- P4.16. Hrihorenko V.** THE ADHESION ABILITY OF WILD AGROBACTERIUM SPP. STRAINS (*Odessa National I. I. Mechnikov University, Odessa, Ukraine*).
- P4.17. Kolisnyk M., Sech N., Tistechok S., Gromyko O., Zvir G.** THE AGE OF DIFFERENT CARBON SOURCES BY ACTINOBACTERIA ISOLATED FROM THE RHIZOSPHERE OF PLANTS OF CRIMEAN PENINSULA (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- P4.18. Kopteva T. A., Babenko L. P., Dehestani S. H., Lazarenko L. M., Bubnov R. V., Spivak M. Ja.** PROBIOTIC STRAINS OF LACTOBACILLI HAVE PROPHYLACTIC EFFECT ON THE MODEL OF EXPERIMENTAL VAGINITIS (*D. K. Zabolotny Institute of Microbiology and Virology of the National Academy of Sciences of Ukraine, Kyiv, Ukraine*).
- P4.19. Kulachkovska T., Sech N., Tistechok S., Gromyko O., Zvir G., Datsyuk Yu.** MORPHOLOGICAL AND CULTURAL PROPERTIES OF ACTINOBACTERIA ISOLATED FROM THE RHIZOSPHERE OF PLANTS OF CRIMEAN PENINSULA (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- P4.20. Leskiv V., Sech N., Goryn T., Tistechok S., Gromyko O., Zvir G.** THE AGE OF PHOSPHORUS COMPOUNDS BY NITROGEN-FIXING ACTINOBACTERIA ISOLATED FROM THE RHIZOSPHERE OF PLANTS OF CRIMEAN PENINSULA (*Ivan Franko National University of Lviv, Lviv, Ukraine*).

- P4.21.** Oliyvyk Z., Rudyk M., Dovhyi R., Svyatetska V., Tolstanova G., Dovbynchuk T., Mayboroda Y., Stepanenko S., Yashenko I., Gladun D., Skivka L. LPS-INDUCED PARKINSON'S DISEASE IN RATS IS ASSOCIATED WITH PRO-INFLAMMATORY ACTIVATION OF CIRCULATING PHAGOCYTES (*ESC "Institute of Biology and Medicine", Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*).
- P4.22.** Prokofieva M., Miros S. MORPHOLOGICAL AND BIOCHEMICAL PARAMETERS OF MACROMYCETES DURING STORAGE IN THE COLLECTION OF I. I. MECHNIKOV ONU (*Odessa National I. I. Mechnikov University, Odessa, Ukraine*).
- P4.23.** Roshuk L. S., Moroz O. M., Borsukevych B. M., Yavorska G. V. THE INFLUENCE OF FERRUM (III) CITRATE AND POTASSIUM DICHROMATE ON REDUCTION OF SULFUR AND NITROGEN OXIDIZED FORMS BY SULFATE AND SULFUR REDUCING BACTERIA (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- P4.24.** Tkach V. A., Potop A. P., Mandzy T. V., Zinchenko O. Yu. THE INFLUENCE OF CARBOXYLATE NICKEL COMPLEXES WITH BENZHYDRAZIDE ON *C. ALBICANS* GROWTH (*Odessa National I. I. Mechnikov University, Odessa, Ukraine*).
- P4.25.** Veryha L. V., Moroz O. M., Zvir G. I., Hnatush S. O., Maslovska O. D., Tarabas O. V. THE INFLUENCE OF ZINC, CADMIUM AND NICKEL COMPOUNDS ON THIOSULFATE AND NITRITE IONS OXIDATION BY PHOTOTROPHIC BACTERIA (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- P4.26.** Zinkovska V., Bulka I., Dudar O., Komplikevych S., Maslovska O., Hnatush S. BACTERIA *RHODOPSEUDOMONAS YAVOROVII* IMB-7384 GROWTH UNDER THE INFLUENCE OF CADMIUM, CHROMIUM(VI), MANGANESE (II), FERRIC, COBALT (II), ZINC AND COPPER (II) COMPOUNDS (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- P4.27.** Zolotarova O.^{1,2}, Radchenko L.², Leibenko L.², Budzanivska I.¹, Mironenko A.² PHYLOGENETIC ANALYSIS OF WHOLE GENOME PANDEMIC INFLUENZA VIRUSES A(H1N1)PDM09 IN UKRAINE (¹ *ESC "Institute of Biology and Medicine", Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*; ² *SI "Gromashevsky L. V. Institute of epidemiology and infectious diseases, NAMS of Ukraine", Kyiv, Ukraine*).

СЕКЦІЯ 5 SECTION
БІОФІЗИКА 5 BIOPHYSICS

СЕКЦІЯ 6 SECTION
ФІЗІОЛОГІЯ ЛЮДИНИ 6 HUMAN AND ANIMALS
І ТВАРИН, PHYSIOLOGY,
БІОМЕДИЦИНА BIOMEDICINE

Головуючі:
проф. Бабський А. М.
проф. Манько В. В.

Head:
prof. Babsky A.
prof. Manko V.

СТЕНДОВІ ДОПОВІДІ P POSTER PRESENTATION

Біологічний факультет,
вул. Грушевського, 4,
3-й поверх

Faculty of Biology
4, Hrushevskiy Str.,
2nd floor

9:30–18:00

УСНІ ДОПОВІДІ O ORAL REPORTS

Біологічний факультет,
вул. Грушевського, 4,
3-й поверх, ауд. 321

Faculty of Biology
4, Hrushevskiy Str.,
2nd floor, room 321

10 квітня 2019 року
Початок об 9:30

April 10, 2019
Start at 9:30

05.1. Dorosh V., Chorna K., Halan M. THE ROLE OF THE SIMPATH-ADRENAL SYSTEM FOR PROTECTION OF SPORTSMAN'S NUTRITIONAL ACTIVITIES (*Ivan Franko National University of Lviv, Lviv, Ukraine*).

05.2. Yuryshynets I. V., Kotliarova A. B., Kotyk O. A., Marchenko S. M. THE EFFECT OF Mn²⁺ IONS ON FUNCTIONING OF LCC-CHANNELS IN THE NUCLEAR MEMBRANE (¹ *Bogomoletz Institute of Physiology, NAS of Ukraine, Kyiv, Ukraine;* ² *ESC "Institute of Biology and Medicine", Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*).

- 05.3. Kardash V., Yaremchuk M., Heneha A., Semochko O., Sanagursky D.** ANOVA IMPACT INFLUENCE OF ELECTROMAGNETIC RADIATION ON TBA-POSITIVE PRODUCTS OF LOACH EMBRYOS (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 05.4. Kuzma M. V., Mitek D. V., Shalai Ya. R., Mandzynets S. M., Popovych M. V., Tymofeev O. O., Hreniukh V. P., Babsky A. M.** EFFECT OF THE 5-BENZYL-2-AMINOTIAZOL DERIVATIVE ON THE PRO- AND ANTIOXIDANT SYSTEMS IN THE LIVER CELLS (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 05.5. Mitek D. V., Kuzma M. V., Shalai Ya. R., Mandzynets S. M., Popovych M. V., Hreniukh V. P., Babsky A. M.** INFLUENCE OF SCEVENGERS OF REACTIVE OXYGEN SPECIES ON SUPEROXYDDISMUTASE ACTIVITY IN LYMPHOMA CELLS UNDER EFFECT OF THE THIAZOLE DERIVATIVE (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 05.6. Saldan U., Goyda D., Halan M.** INFLUENCE OF PHYSICAL LOADS ON THE INDICATORS OF ENERGY PROPERTY OF BOTH ACTIVITIES OF SPORTSMANS (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 05.7. Tomiczek P., Kadziński L.** THE IMPACT OF SILICA XEROGEL SYNTHESIS CONDITIONS ON THE INCORPORATION AND RELEASE OF VITAMINS (*University of Gdansk, Gdansk, Poland*).

Непечка / Coffee break

- 06.8. Kolinko L., Vesnina L.** STUDY OF CONFORMITY BETWEEN ENERGY VALUE OF THE FOOD RATION AND ENERGY NEEDS OF YOUNG PEOPLE (*Ukrainian Medical Stomatological Academy, Poltava, Ukraine*).
- 06.9. Misztal T., Gołaszewska A., Marcińczyk N., Brańska-Januszewska J., Iwanicka M., Rusak T., Tomasiak M.** AQUAPORINS IN HUMAN PLATELETS: INTRACELLULAR LOCALIZATION AND POSSIBLE ROLE IN SECRETION, PROCOAGULANT RESPONSE, AND THROMBUS FORMATION UNDER FLOW (*Medical University of Białystok, Białystok, Poland*).
- 06.10. Fedashko V., Yakubovska A., Ivasechko I., Manko B. O., Manko V. V.** EFFECTS OF HYPERSTIMULATION BY CHOLECYSTOKININ ON VIABILITY OF RAT PANCREATIC ACINAR CELLS (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 06.11. Hadych A., Yakubovska A., Manko B. O., Manko V. V.** THE EFFECTS OF GLUTAMINE AND NH₄Cl ON MITOCHONDRIAL RESPIRATION OF RAT PANCREATIC ACINAR CELLS (*Ivan Franko National University of Lviv, Lviv, Ukraine*).

- O6.12. Halan S., Mazur H., Merlavsky V., Manko B. O., Manko V. V. MITOCHONDRIAL ADAPTIVE CAPACITY OF ISOLATED HEPATOCYTES DEPENDS ON PREPARATION METHOD (*Ivan Franko National University of Lviv, Lviv, Ukraine*).**
- O6.13. Pvlypenko M. A. RESEARCH OF BINOCULAR VISION BY GEOMETRIC ILLUSIONS (*V. N. Karazin Kharkiv National University, Kharkiv, Ukraine*).**
- O6.14. Kchomyn Ju.¹, Tur U.¹, Renkas N.^{1,2}, Galaj O.² HYGIENIC ASSESSMENT OF THE EFFECT OF BLOWER ELIXIR ON THE STATE OF SCIENTIFIC COVERINGS AND MISCELLANEOUS SHELLS (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine*; ² *State Institution "Lviv Regional laboratory center" of Ministry of Health of Ukraine, Lviv, Ukraine*).**
- P5.15. Kharchenko A. A., Laguta A. M., Vus K. O., Tarabara U. K., Farafonov V. S. PHYSICOCHEMICAL PROPERTIES OF THE BACTERIOPHAGE MS2: INVESTIGATION BY DYNAMIC LIGHT SCATTERING AND FLUORESCENCE SPECTROSCOPY METHODS (*V. N. Karazin Kharkiv National University, Kharkiv, Ukraine*).**
- P5.16. Kinash O., Harasym N., Sanagursky D. INFLUENCE OF HISTAMINE AND QUERTXITE ON CATALASE ACTIVITY IN RAT BLOOD ERYTHROCYTES (*Ivan Franko National University of Lviv, Lviv, Ukraine*).**
- P5.17. Melnyk A., Bodnarchuk N., Harasym N., Sanagursky D. CONTENT OF ATP IN LOACH EMBRYOS UNDER THE EFFECT OF FLURENIZYD (*Ivan Franko National University of Lviv, Lviv, Ukraine*).**
- P6.18. Leszczyńska A., Misztal T., Marcińczyk N., Kamiński T., Kramkowski K., Chabielska E., Pawlak D. EFFECT OF QUINOLINIC ACID – A UREMIC TOXIN FROM TRYPTOPHAN METABOLISM – ON HEMOSTATIC PROFILE IN RAT AND MOUSE THROMBOSIS MODELS (*Medical University of Białystok, Białystok, Poland*).**

СЕКЦІЯ 7 SECTION
ЗООЛОГІЯ ZOOLOGY

Головуючі:
проф. Царик Й. В.
доц. Назарук К. М.

Head:
prof. Tsaryk Y.
ass. prof. Nazaruk K.

СТЕНДОВІ ДОПОВІДІ P POSTER PRESENTATION

Біологічний факультет,
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3-й поверх

Faculty of Biology
4, Hrushevskiy Str.,
2nd floor

9:30–18:00

УСНІ ДОПОВІДІ O ORAL REPORTS

Біологічний факультет,
вул. Грушевського, 4,
3-й поверх, ауд. 316

Faculty of Biology
4, Hrushevskiy Str.,
2nd floor, room 316

10 квітня 2019 року
Початок об 9:30

April 10, 2019
Start at 9:30

- 07.1. Balandiukh N., Reshetylo O.** THE CHARACTERISTICS OF LOCOMOTIVE FUNCTIONS OF CAUDATA (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 07.2. Lauryienia D.** ADDITIONAL INFORMATION TO THE VENOM COMPOSITION OF *BOMBUS PASCUORUM* (HYMENOPTERA: ACULEATA, APIDAE) (*Belarusian State University, Minsk, Republic of Belarus*).
- 07.3. Zahorodnyi I., Pokrityuk L., Dykyy I.** THE RANGE OF DIET OF EURASIAN PYGMY OWL (*GLAUCIDIUM PASSERINUM*) ON THE TERRITORY OF POLISH CARPATHIANS (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- 07.4. Troshin A., Golovatyuk A., Golub Y.** THE CURRENT STATE OF THE RED BOOK INSECTS OF KRIVYI RIH REGION (*Kryvyi Rih State Pedagogical University, Kryvyi Rih, Ukraine*).
- 07.5. Ozerskyi S., Liesnik V.** ECOLOGICAL PARAMETERS OF THE GENUS *PHYLLONORYCTER* (LEPIDOPTERA, GRACILLARIIDAE) IN DECIDUOUS WOODLANDS IN THE OUTSKIRTS OF LVIV (*Ivan Franko National University of Lviv, Lviv, Ukraine*).

- O7.6. Tsupko N.** THE RESEARCH OF WHITE STORK (*CICONIA CICONIA*) ON THE TERRITORY OF KOROP DISTRICT OF CHERNIHIV REGION (*T. G. Shevchenko National University "Chernihiv Collegium", Chernihiv, Ukraine*).
- O7.7. Pvtel S., Tymkiv I.** SPECIES DIVERSITY OF THE SUPERFAMILIES APOIDEA AND VESPOIDEA ON THE TERRITORY OF HRYADOVE POBUZHCHYA (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- O7.8. Slyvka O., Martsiv M., Dykyy I.** THE FEEDING PECULIARITIES OF THE OTTER (*LUTRA LUTRA L.*) ON THE TERRITORY OF THE LVIV REGION (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- O7.9. Ivanets O., Matsevko M.** THE GENUS *SIMOCEPHALUS* SCHÖDLER, 1858 (*CLADOCERA: ANOMOPODA*) OF THE UKRAINIAN ROZTOCZE AND ITS SURROUNDINGS (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
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- P.7.10. Dubovyk O.** SEASONAL DYNAMICS OF AVIAN COMMUNITY STRUCTURE IN URBAN GREENERY IN LVIV (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- P.7.11. Zinkovskiy A., Dykyy I., Trokhymets V.** FEEDING CHARACTER AND STRUCTURE OF *Notothenia coriiceps* POPULATION IN THE ARCHIPELAGO ARGENTINE ISLANDS IN SHORE WATERS, ANTARCTICA (*Ivan Franko National University of Lviv, Lviv, Ukraine*).

СЕКЦІЯ
БОТАНІКА ТА
ІНТРОДУКЦІЯ РОСЛИН

8

SECTION
BOTANY AND
PLANTS INTRODUCTION

СЕКЦІЯ
ФІЗІОЛОГІЯ РОСЛИН

9

SECTION
PLANT PHYSIOLOGY

Головуючі:
доц. Гончаренко В. І.
проф. Терек О. І.

Head:
ass. prof. Honcharenko V.
prof. Terek O.

СТЕНДОВІ ДОПОВІДІ **P** **POSTER PRESENTATION**

Біологічний факультет,
вул. Грушевського, 4,
3-й поверх

Faculty of Biology
4, Hrushevskiyi Str.,
2nd floor

9:30–18:00

УСНІ ДОПОВІДІ **O** **ORAL REPORTS**

Біологічний факультет,
вул. Грушевського, 4,
3-й поверх, ауд. 329

Faculty of Biology
4, Hrushevskiyi Str.,
2nd floor, room 329

10 квітня 2019 року
Початок об 15:00

April 10, 2019
Start at 15:00

- 08.1. Репек J.¹, Каца́ніová M.², Kluz M.² IDENTIFICATION OF MICROBIOLOGICAL CONTAMINATION IN FOOD USING BY MALDI TOF MS BIOTYPER (¹ Students Scientific Group of Food Technologists "FERMENT", University of Rzeszów, Rzeszów, Poland; ² Department of Bioenergetics and Food Analysis, University of Rzeszow, Rzeszow, Poland).**
- 08.2. Andreychuk R., Kukurudz O. MORPHOLOGICAL STRUCTURE AND FRUIT DEHISCENCE IN *JASIONE MONTANA* L. (Ivan Franko National University of Lviv, Lviv, Ukraine).**
- 08.3. Atamanchuk A., Tsvyd N., Shcherbakova Yu., Dzhagan V. FRUITING BODIES FORMATION OF *ANTHRACOBIA MAURILABRA* (COOKE) *BOUD IN VITRO* (ESC "Institute of Biology and Medicine", Taras Shevchenko National University of Kyiv, Kyiv, Ukraine).**

- 08.4. Bohoslavets O., Dzhagan V., Shcherbakova Yu., Atamanchuk A. MYCOBIOTA OF CHORNOHIRSKYI AND SVYDOVETSKYI MASSIFS OF CARPATHIAN BIOSPHERE RESERVE (ESC “Institute of Biology and Medicine”, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine).**
- 09.5. Fetsiukh A., Bunio L., Patsula O., Terek O. BIOGEOCHEMICAL ACTIVITY OF *SALIX VIMINALIS* L. PLANTS DURING GROWTH ON THE DUMPS OF POLYMINERAL POTASSIUM ORES OF THE STEBANYK REGION (Ivan Franko National University of Lviv, Lviv, Ukraine).**
- 09.6. Hrechyshkina S., Olkhovych O., Musienko M. THE EVALUATION OF THE ABILITY OF PLEUSTON TO METAL NANOPARTICLES REMOVAL AND STRESS-TOLERANCE ASSESSMENT BY THE CHANGES OF THE PHOTOSYNTHETIC PIGMENTS CONTENT (ESC “Institute of Biology and Medicine”, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine).**
- 09.7. Korchevska V.¹, Poronnik O.^{2,3}, Voitcekhivska O.¹, Myryuta G.², Miryuta N.³, Parnikoza I.^{2,3} THE INFLUENCE OF THE UV-A RADIATION LONG-TERM ACTION ON THE *DESHAMPsia ANTARCTICA* DESV PHOTOSYNTHETIC PIGMENTS UNDER *IN VITRO* CULTIVATION (¹ ESC “Institute of Biology and Medicine”, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine; ² Institute of Molecular Biology and Genetics NASU, Kyiv, Ukraine; ³ National Antarctic Scientific Center of Ukraine, Ministry of education and science of Ukraine, Kyiv, Ukraine).**
- 09.8. Makar O., Patsula O., Kavylych Ya., Batrashkina T., Bunio L., Terek O., Romanyuk N. WATER DEFICIT OF THE FLAG LEAVES OF SPRING WHEAT DIFFERENT VARIETIES IN A FIELD EXPERIMENT (Ivan Franko National University of Lviv, Lviv, Ukraine).**
- 09.9. Roman I., Baranov V. INFLUENCE OF CAFFEINE ON THE STATE OF THE PIGMENTS AND ANTIOXIDANTS SYSTEM OF SOYBEAN PLANTS (*GLYCINE MAX MOENCH*) (Ivan Franko National University of Lviv, Lviv, Ukraine).**
- P9.10. Basa S., Kobyletska M., Terek O. THE INFLUENCE OF SALICYLATE ON THE CONTENT OF PHENOLIC COMPOUNDS IN WHEAT PLANTS UNDER THE SALINITY CONDITIONS (Ivan Franko National University of Lviv, Lviv, Ukraine).**
- P9.11. Bazyuk S.¹, Beshley S.², Sokhanchak R.², Baranov V.¹ DYNAMIC OF pH AND ORGANIC CARBON IN THE SUBSTRATES UNDER THICKETS OF *CALAMAGROSTIS EPIGEIOS* (L.) ROTH ON COAL MINES ROCK DUMPS OF CHERVONOGRAD MINING AREA (LVIV REGION) (¹ Ivan Franko National University of Lviv, Lviv, Ukraine; ² Institute of Ecology of the Carpathians NAS of Ukraine, Lviv, Ukraine).**

- P9.12.** Danko Yu., Grynyk I., Kobyletska M. SALICYLATE INDUCED CHANGES OF PLANTS ANTIOXIDANT STATUS UNDER THE SALINITY CONDITIONS (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- P9.13.** Shcherba R., Vasyliuk D., Husak V. EFFECT OF LIGHT-EMITTING DIODES ON PHYSIOLOGICAL AND BIOCHEMICAL PARAMETERS OF BLACK CURRANT *RIBES NIGRUM* PLANTLETS *IN VITRO* (*Vasyl Stefanyk Precarpathian National University, Ivano-Frankivsk, Ukraine*).
- P9.14.** Shkoropad O., Golts M., Makar O., Romanyuk N. PRELIMINARY RESULTS ON DROUGHT TOLERANCE OF DIFFERENT VARIETIES OF SPRING WHEAT IN THE CONDITIONS OF VEGETATIVE EXPERIMENT (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- P9.15.** Shevchuk O., Burda I., Velychko O., Terek O. THE ROLE OF FREE AMINO ACIDS IN THE RED CLOVER PLANTS ADAPTATION TO THE CONDITIONS OF OIL POLLUTED SOIL (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- P9.16.** Shumanska S., Velychko O. THE PERSPECTIVES OF CUCUMBER PLANTS' GROWTH PROCESSES OPTIMIZATION UNDER THE CONDITIONS OF MYCORRHIZAE *TUBER MELANOSPORUM* (*Ivan Franko National University of Lviv, Lviv, Ukraine*).
- P8.17.** Zaliznyak A. POLLEN NUMBER AND FERTILITY IN *OENOTHERA BIENNIS* L. (ONAGRACEAE) (*Ivan Franko National University of Lviv, Lviv, Ukraine*).

**СЕКЦІЯ 10 SECTION
ЕКОЛОГІЯ ECOLOGY**

Головуючі:
доц. Мамчур З. І.
проф. Антоняк Г. Л.

Head:
ass. prof. Mamchur Z.
prof. Antoniak G.

СТЕНДОВІ ДОПОВІДІ P POSTER PRESENTATION

Біологічний факультет,
вул. Грушевського, 4,
3-й поверх

Faculty of Biology
4, Hrushevskiyi Str.,
2nd floor

9:30–18:00

УСНІ ДОПОВІДІ O ORAL REPORTS

Біологічний факультет,
вул. Грушевського, 4,
3-й поверх

Faculty of Biology
4, Hrushevskiyi Str.,
2nd floor

10 квітня 2019 року
Початок об 15:00

April 10, 2019
Start at 15:00

- O10.1. Hreptak N., Mokriy V., Bobush O., Zhalivchiv S., Kravtsiv R. FLUORESCENT DIAGNOSTICS OF LITTLELEAF LINDEN OF GREEN PLANTATIONS OF LVIV (*Lviv Polytechnic National University, Lviv, Ukraine*).**
- O10.2. Kordupel N., Kozyra R., Peretyatko T. PERSPECTIVES OF USAGE OF *CANDIDA PSEUDOTROPICALIS* AND *CANDIDA MELIBIOSA* YEASTS FOR THE DECREASE OF THE VISCOSITY OF OIL (*Ivan Franko National University of Lviv, Lviv, Ukraine*).**
- O10.3. Larchanko A., Kheidorova E., Shpak A. CALCULATION OF THE BODY CONDITION INDEX FOR PARTI-COLOURED BAT (*VESPERTILIO MURINUS* LINNAEUS, 1758), HIBERNATING IN MINSK (*State Research and Production Association “Scientific and Practical Center of the National Academy of Sciences of Belarus for Bioresources”, Minsk, Belarus*).**
- O10.4. Krempa K. M., Savytska O. M. ECOLOGICAL AND BIOLOGICAL CHARACTERISTICS OF NEWTS IN THE CITY LVIV OIL (*Ivan Franko National University of Lviv, Lviv, Ukraine*).**

- O10.5. Lesiv M. S., Antonyak H. L. ACCUMULATION OF HEAVY METALS IN THE TISSUES OF MACROPHYTES SAMPLED IN THE RESERVOIRS OF THE CITY OF LVIV (*Ivan Franko National University of Lviv, Lviv, Ukraine*).**

Пе́ре́ра / Coffee break

- O10.6. Pvlypiv Y., Kyjak V. SPREADING OF REPRESENTATIVES OF ORCHIDACEAE FAMILY IN THE BASIN OF POLTVA RIVER (*Ivan Franko National University of Lviv, Lviv, Ukraine*).**
- O10.7. Roman I., Shpak Y., Baranov V., Terek O. OPTIMIZATION OF CHEMICAL COMPOSITION OF COAL MINING ROCK DUMPS BY FLY ASH OF TPP AND POTASSIUM HUMATE (*Ivan Franko National University of Lviv, Lviv, Ukraine*).**
- O10.8. Shtyk O., Mamchur Z. SEASONAL DYNAMICS OF MUROID RODENTS OF THE NATURAL RESERVATUS CHERVONE (NATIONAL PARK “DNISTER KANYON”) (*Ivan Franko National University of Lviv, Lviv, Ukraine*).**
- O10.9. Verkholiak N., Rogozina I., Peretyatko T. USAGE OF SULFATE-REDUCING BACTERIA IN THE PURIFICATION OF WATER ENVIRONMENT FROM IONS OF HEAVY METALS AND AROMATIC COMPOUNDS (*Ivan Franko National University of Lviv, Lviv, Ukraine*).**
- O10.10. Vynarchyk N.¹, Tsvilynyuk O.¹, Koval' N.² PHYTOTESTING OF WATER QUALITY OF LAKES IN LVIV (¹ *Ivan Franko National University of Lviv, Lviv, Ukraine*; ² *Lviv Polytechnic National University, Lviv, Ukraine*).**
- P10.11. Bartyzel T., Druszcz P., Pater O., Pilch P., Stadnik M., Wolacski A., Kostecki J. THE CONDITION OF SOILS ON SELECTED PLAYGROUNDS IN ZIELONA GYRA (*University of Zielona Gya, Institute of Environmental Engineering, Zielona Gya, Poland*).**
- P10.12. Kostecki J., Greinert A., Drab M., Walicska K. THE POSSIBILITY OF SOIL REMEDIATION BY POPULUS NIGRA (*University of Zielona Gya, Zielona Gya, Poland*).**
- P10.13. Ruban Y., Pareniuk O., Shavanova K. THE MICROBIOLOGICAL PROFILE ASSESSMENT OF SOILS FROM THE SITES OF TEMPORARY LOCALIZATION OF RADIOACTIVE WASTE IN THE CHORNOBYL NPP EXCLUSION ZONE USING PLFA ANALYSIS (*National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine*).**
- P10.14. Wieczorek M., Najbar B. COMPARISON OF THE LEVEL OF REGENERATION OF THE TAIL AFTER AUTOTOMY IN THE SAND LIZARD AND VIVIPAROUS LIZARD FROM WESTERN POLAND (*University of Zielona Gora, Zielona Gora, Poland*).**

- P10.15. Wieczorek M., Najbar B.** SPACE USE AND TICK LOAD ON THE SAND LIZARD IN WESTERN POLAND (*University of Zielona Gora, Zielona Gora, Poland*).
- P10.16. Wieczorek M., Najbar B.** VARIATIONS IN THE ARRANGEMENT OF THE SCALES ON THE HEAD OF THE SAND LIZARD IN WESTERN POLAND (*University of Zielona Gora, Zielona Gora, Poland*).