



## 2nd Information Letter



*for the IV Conference for Young Scientists «Plant Biology and Biotechnology» dedicated to the VII Fascination of Plants Day, which would take place on May, 16-18, 2024, in c. Kyiv (Ukraine) based on the Institute of Food Biotechnology and Genomics of the NAS of Ukraine. The conference will be held in an online format via Zoom.*

### **Connecting to the conference**

<https://us05web.zoom.us/j/5144860548?pwd=U2F6LzRXMDMzQWpFTTE51NHFMaUtJQT09>

Conference ID: **514 486 0548**

Access code: **jQ4C7N**

The conference opening is scheduled for 11:00 (Kyiv time, GMT +3). Presentations will be listened according to the conference program provided below. The approximate presentation time is up to 10 minutes.

### **Program of the IV Conference for Young Scientists «Plant Biology and Biotechnology»**

#### **THURSDAY, MAY 16<sup>TH</sup>**

11.00 – 11.10 – ceremonial opening of the conference. Introductory remarks by Academician of the National Academy of Sciences of Ukraine, Dr. Yaroslav Blume.

11.10 – 11.30 – presentation of the participant of the academic mobility program “Marie Skłodowska-Curie Fellowship” (“MSCA4Ukraine”), Ph.D. Svitlana Plokhovska (Arslan), «THE USE OF PGPB FOR BIOSYNTHESIS OF SILVER NANOPARTICLES, THEIR CHARACTERISTICS AND ANTIBACTERIAL PROPERTIES»

11.30 – 11.50 – presentation of the participant of the academic mobility program “Marie Skłodowska-Curie Fellowship” (“MSCA4Ukraine”), Ph.D. Nadiia Pushkarova, «SEARCHING FOR NOVEL CYTOKININS USING ARTIFICIAL INTELLIGENCE ALGORITHMS»

11.50 – 12.10 – presentation of the participant of the academic mobility program, Ruslana Shadrina, «WORKING EXPERIENCE IN SCIENTIFIC LABORATORIES OF BARCELONA»

12.10 – 12.15 – Coffee break

<b>12.15-13.15</b>	<b>Section meeting «PLANT BIOTECHNOLOGY AND NANOBIOTECHNOLOGY»</b>
12.15-12.25	<b><u>Hazratov A.T.</u></b> , Jurayeva H.K., Mustafina F.U., Abdinazarov S.H. BIOTECHNOLOGY AS MODERN APPROACH IN BIODIVERSITY CONSERVATION AND ENRICHMENT OF THE COLLECTION OF TASHKENT BOTANICAL GARDEN
12.25-12.35	<b><u>Jamalova D.N.</u></b> , Mustafina F.U. PROPAGATION OF FERULA SUMBUL BY BIOTECHNOLOGICAL METHOD
12.35-12.45	<b><u>Jurayeva H.K.</u></b> , Hazratov A.T., Mustafina F.U., Abdinazarov S.H.. MICROPROPOGATION OF VALUABLE SPECIES OF TASHKENT BOTANICAL GARDEN COLLECTION
12.45-12.55	Borova M.M., <b><u>Buziashvili A.Yu.</u></b> , Yemets A.I. «GREEN» OF SILVER NANOPARTICLES, THEIR PHYSICAL, CHEMICAL PROPERTIES AND FUNGISTATIC ACTIVITY
12.55-13.05	<b><u>Bliznichenko A. I.</u></b> , Petrina R. O. INTRODUCTION INTO <i>IN VITRO</i> CULTURE OF <i>ECHINACEA PURPUREA</i>

13.05-13.15	<b><u>Kushchenko K.S.</u></b> , Klyachenko O.L., Kustovska A.V. INVESTIGATION OF BIOTECHNOLOGICAL PROPERTIES OF THE GARDEN CARNATION ( <i>DIANTHUS CARYOPHYLLUS</i> L.)
<b>13.15-13.30</b>	<b>Coffee break</b>
<b>13.30-14.50</b>	<b>Sections meeting «STRUCTURAL AND FUNCTIONAL GENOMICS», «MOLECULAR AND CELL BIOLOGY» and «MICROBIOLOGICAL BIOTECHNOLOGY»</b>
13.30-13.40	<b><u>Rabokon A.</u></b> , Sakharova V., Blume R., Kvasko A., Denisenko S., Karelkov A., Sozinova O., Shysha O., Sozinov I., Kozub N., Yemets A., Pirko Ya. VERIFICATION OF THE MARKERS TO <i>SR39</i> GENE ON SOFT WHEAT CULTIVARS
13.40-13.50	<b><u>Mishchenko A.M.</u></b> , Andreev I.O. MICROSATELLITE ANALYSIS OF THE HAZELNUT CULTIVARS ( <i>CORYLUS</i> SPP.) OF THE NATIONAL DENDROLOGICAL PARK «SOFIIVKA» BREEDING
13.50-14.00	<b><u>Blume R.Ya.</u></b> , Yemets A.I., Pirko Ya.V. EVOLUTION AND DIVERGENCE OF THE $\alpha$ - AND $\beta$ -TUBULIN GENES IN <i>ARABIDOPSIS THALIANA</i> GENOME
14.00-14.10	<b><u>Sozinova O.I.</u></b> , Blume Ya. B. ANALYSIS OF THE SEQUENCE OF THE PUROINDOLINE A GENE OF THE EXTRA-SOFT WHEAT VARIETY «OKSANA»
14.10-14.20	<b><u>Ozheredov D.S.</u></b> , Ozheredov S.P., Karpov P.A. SEARCH FOR ALLOSTERIC EFFECTORS OF FtsZ BACTERIAL PROTEINS BASED ON COMPREHENSIVE STRUCTURAL-BIOLOGICAL STUDY
14.20-14.40	<b><u>Stihiliys M. M.</u></b> , Dzyobak A. V., Rayevskiy O. V., Blume Ya. B. COMPARATIVE ANALYSIS OF LIGAND-PROTEIN INTERACTIONS OF HISTONE DEACETYLASES CLASS II B OF DIFFERENT EVOLUTIONARY ORIGINS
14.40-14.50	<b><u>Gudzenko O.V.</u></b> TRANSFORMATION OF FIBRINOGEN UNDER THE INFLUENCE OF SEA PRODUCERS <i>BACILLUS SUBTILIS</i> 231 AND <i>BACILLUS SUBTILIS</i> 248

### **FRIDAY, MAY 17<sup>TH</sup>**

#### **Workshops for VII Fascination of Plants Day**

which will take place offline at the Institute of Food Biotechnology and Genomics of the National Academy of Sciences of Ukraine (Kyiv, Baidy-Vyshnevetskoho (Osypovskoho) Street 2a). To get to the Institute of Food Biotechnology and Genomics of the National Academy of Sciences of Ukraine, you should take the minibus N 525 from Pochaina metro station. From Lukyanivska metro station, you can take trolleybuses N 6, N 18, or N 33, or minibuses N 586 or N 181. From Nyvky metro station, take bus N 32 or minibus N 537. The stop is named "Dubrovitska str". Access to the territory is through the checkpoint near the barrier.

**Organizers of workshops:** *Anastasiia Buziashvili*, Ph.D., Researcher at the Department of Cell Biology and Biotechnology, buziashvili.an@gmail.com, +38 095 302 89 30, *Yevhen Kustovskiy*, Junior Researcher at the Department of Cell Biology and Biotechnology of the Institute of Food Biotechnology and Genomics of the NAS of Ukraine, ykustovskiy@gmail.com, +38 066 992 75 97

11.00-13.00 – workshop for students and Ph.D. students **«CLSM as a tool for real-time research in living plant cells»**

16.00 – 17.00 – workshop for students of the Biology Department of the Kyiv Palace of Children and Youth **«Visualization of *Allium cepa* L. chromosomes»**

17.00 – 18.00 – workshop for students of the Biology Department of the Kyiv Palace of Children and Youth **«Isolation of the protoplasts of *Nicotiana tabacum* L.»**

### **SATURDAY, MAY 18<sup>TH</sup>**

**CLOSING OF THE CONFERENCE**