

Biological Session of Conference named by G.A. Gamow 25.08.2022	
Time, Kyiv	“The Importance of G. Gamow's Ideas for Biology of the 21st Century”
10.00-10.15	OPENING OF THE BIOLOGICAL SESSION <i>Prof., Dr.Sc. Chebotar S.</i>
10.15-10.45	<u>Prof., Dr. Börner A.</u> Plant genetic resources for improving stress tolerance – examples for cereals Leibniz Institute of Plant Genetics and Crop Plant Research, Gatersleben, Germany
10.50-11.10	<i>Dr. Kartseva T.¹, Dr. Alqudah A.², Dr. Aleksandrov V.¹, Dr. Doneva D.¹, Prof., Dr. Börner A.³, Prof. Dr. Misheva S.¹</i> Genome-Wide Association Study reveals loci and candidate genes for grain protein content in bread wheat ¹ Institute of Plant Physiology and Genetics, Bulgarian Academy of Sciences, Sofia, Bulgaria, ² Aarhus University, Aarhus, Denmark, ³ Leibniz Institute of Plant Genetics and Crop Plants Research, Gatersleben, Germany
11.15-11.45	<i>Tynkevich Y.O.¹, Novikov A.V.², Chorney I.I.¹, Prof., Dr. Sc. Volkov R.A.¹</i> Molecular evolution and taxonomic application of 5S rDNA in the genus <i>Aconitum</i> ¹ Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine; ² State Museum of Natural History, National Academy of Sciences of Ukraine
11.50-12.00	<u>Coffee break</u>
12.00-12.30	<u>Prof. Griffiths S.</u> Breaking wheat breeding barriers 1 and 2 John Innes Center, Norwich, UK
12.35-13.05	<u>Dr. Wingen L.U.</u> Breaking wheat breeding barriers 3, 4 and ... John Innes Center, Norwich, UK
13.10-13.25	<u>Ph.D. student Popovych Yu.A.¹, Prof., Dr. Sc. Chebotar S.V.¹</u> Bioinformatic analysis of nucleotide sequences of <i>Gli-1</i> loci <i>Triticum aestivum</i> L. Odesa I.I. Mechnikov National University, Odesa, Ukraine
13.30-13.45	<u>Associate Prof., Dr. Prokopiak M.Z., Dr. Mayorova O.Yu., Kolisnyk Kh. M., Prof., Dr. Sci. Hrytsak L.R., Prof., Dr. Sci. Drobyk N.M.</u> The assessment of the current status of <i>Gentiana lutea</i> L. populations of the Ukrainian Carpathians: Ecological and genetic approaches Ternopil Volodymyr Hnatiuk National Pedagogical University, Ternopil, Ukraine
13.45-14.30	<i>Lunch</i>
14.30-15.00	<u>Prof., Dr. Sci., Martyniuk V.S.¹, Dr. Sci., S.s. Gromozova O.M.², Dr. Tseysler Yu.V.¹, Dr. Gretskey I.O.², Artemenko A.Yu.¹</u> Time dynamics of background luminescence spectra of <i>Photobacterium phosphoreum</i> ¹ Taras Shevchenko Kyiv National University, Kyiv, Ukraine. ² Institute of Microbiology and Virology of the National Academy of Sciences of Ukraine, Kyiv, Ukraine.
15.00-	<u>Ph.D. student Tistechok S.I., Dr. Myronovskyi M.L., Prof., Dr.Sc. Fedorenko V.O.,</u>

15.15	<p><i>Prof., Dr.Sc. Luzhetskyy A.M., Dr. Gromyko O.M.</i> Screening of thiopeptide antibiotics producers using a reporter system based on the <i>tipA</i> gene promoter. ¹ Ivan Franko National University of Lviv, Ukraine, ² Saarland University, Saarbrücken, Germany.</p>
15.15-15.30	<p><i>Ph.D. student Roshka N.M., Prof., Dr. Sc. Volkov R.A.</i> Long and short 5S rDNA variants in the genomes of <i>Apis</i> species Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine</p>
15.30-15.45	<p><i>Prof., Dr. Sc. Livshits L.¹, <u>Sirokha D.</u>¹, Gorodna O.¹, Zelinska N.², Jaruzelska J.³, Kusz-Zamelczyk K.³, Lauber-Biason A.⁴, Nef S.⁵</i> Novel STARD8 and STARD9 mutations identified in 46, XY gonadal dysgenesis patients lend support to these genes as DSD candidates ¹ Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine, Kyiv, Ukraine ² Ukrainian Scientific and Practical Center for Endocrine Surgery, Transplantation of Endocrine Organs and Tissues, Ministry of Health of Ukraine, Kyiv, Ukraine ³ Institute of Human Genetics, Polish Academy of Sciences, Poznań, Poland ⁴ University of Fribourg, Fribourg, Switzerland ⁵ University of Geneva, Geneva, Switzerland</p>
15.45-16.15	<p><i>Dr. Monczak Yu.</i> MYD88 and CXCR4, two genes that play a crucial role in Waldenström's Macroglobulinemia Division of Molecular Genetics McGill University Health Center, McGill University and University of Montreal, Canada</p>
16.15-16.45	<p><i>Prof., Dr. Segre G.</i> George Gamow and DNA's Genetic Code University of Pennsylvania, USA</p>
16.45-17.00	<p>Closing of the Biological Session</p>