

Monday 12.08.2019	
14.00-14.25	Participants of biological section registration
14.30- 18.30	Biological section of conference “The Importance of G. Gamow's Ideas for Biology of the 21st Century”
14.30	Biological section opening. Session 1. Chairs: Dr. Sc. S.V. Chebotar & Prof. E.P. Fischer
14.30-15.00	<u>Prof. E. P. Fischer</u> (Heidelberg University, Germany) Understanding Genes and Gamow’s Contribution
15.00-15.30	<u>Dr., Senior researcher O. V. Savytskyi</u> (Institute of Molecular Biology and Genetics, NAS of Ukraine, Kyiv, Ukraine) High-performance computing in biological research
15.30-16.00	<u>Dr. Sc. S. V. Chebotar</u> (Odesa I.I. Mechnikov National University, Odesa, Ukraine) Application of results of sequencing of the wheat genome to breeding programs (perspectives and difficulties)
16.00-16.30	<u>Dr. Sc., senior researcher E. N. Gromozova; PhD, S.I. Voychuk; lead engineer T.L. Kachur; PhD, researcher I.A. Gretskey</u> (Institute of Microbiology and Virology, NAS of Ukraine, Kyiv, Ukraine) Sensitivity of microorganisms to the cosmic weather change
16.30-16.50	Coffee brake
	Session 2. Chairs: Dr. O. V. Savytskyi & Dr. Sc. N.A. Mulyukina
16.50-17.05	<u>Researcher A. O. Bakuma</u> ¹ , <u>Dr. N.V. Bulavka</u> ² , <u>Dr. G. O. Chebotar</u> ¹ , <u>Dr. Sc. S. V. Chebotar</u> ^{1,3} (¹ Odesa I.I. Mechnikov National University, Odesa, Ukraine; ² The V.M. Remeslo Myronivka institute of wheat, NAAS of Ukraine, Myronivka, Ukraine; ³ Plant Breeding and Genetics Institute - National Center of Seed and Cultivar Investigations, Odesa, Ukraine) Photoperiodic sensitivity and genetic polymorphism of <i>Ppd-1</i> genes in Ukrainian wheat varieties and lines
17.05-17.20	<u>Ph.D. student O. Ishchenko</u> ; Prof., <u>Dr. Sc. R. Volkov</u> (Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine) Application of 5S rDNA for phylogeny reconstruction in <i>ACER</i> and <i>DIPTERONIA</i>
17.20-17.35	<u>D. Sirokha</u> ^{1,2} ; <u>Ph.D. O. Gorodna</u> ² ; <u>Ph.D. H. Livshits</u> ² ; <u>K. Kozyrieva</u> ^{1,2} ; <u>Ph.D., Dr. Sc. L. Livshits</u> ² (¹ Taras Shevchenko Kyiv National University, Kyiv, Ukraine; ² Institute of Molecular Biology and Genetics, NAS of Ukraine, Kyiv, Ukraine) Novel mutations identified after whole exome sequencing and predicted encoded proteins alterations in patients with disorders of sexual development
17.35-17.55	<u>Researcher O. M. Blagodarova</u> (Plant Breeding and Genetics Institute - National Center of Seed and Cultivar Investigations, Odesa, Ukraine) The storage proteins alleles as markers of breadmaking quality, it’s polymorphism and diversity
17.55-18.10	<u>Master Yu. Popovych</u> ¹ , <u>E. Metakovsky</u> , <u>Dr. Sc. S. Chebotar</u> ¹ (Odesa I.I. Mechnikov National University, Odesa, Ukraine) Polymorphism <i>Gli-</i>

	<i>I</i> genes among the cor-collection of European wheat varieties
18.10-18.25	<u>A. Navalikhina</u> ; Dr., Associate Prof. M. Antonyuk; Dr., Prof. T. Ternovska (National University of Kyiv-Mohyla Academy, Kyiv, Ukraine) Analysis of the small RNA-seq data of the bread wheat lines with introgressions from <i>Amblyopyrum muticum</i>
18.25-18.30	Biology section closing