

10.00-17.30	Biological Session of Conference named by G.A. Gamow 13.08.2020
	“The Importance of G. Gamow's Ideas for Biology of the 21st Century”
10.00-10.05	Opening of the Biological Session Prof., Dr.Sc. Chebotar S. (Odesa I.I. Mechnikov National University, Odesa, Ukraine)
10.05-10.35	Prof., Dr. Sc. Sivolob A.V. "Spatial genetic code": structural organization of chromatin in the cell nucleus" (Taras Shevchenko National University, Kyiv, Ukraine)
10.40-11.10	O.V. Cherevatov, Prof., Dr. Sc. Volkov R.A. "Molecular polymorphism of cytochrome C oxidase genes and distribution of <i>Apis mellifera</i> subspecies in Ukraine" (Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine)
11.15-11.45	Dr. Korzun V.N. "Molecular breeding in cereals: current achievements and future perspectives" (KWS-KGa-A, DEEL, Einbeck, Germany)
11.50-12.00	Coffee Break
12.00-12.30	Prof., Dr. Kalendar R.M.^{1,2} “Mobile elements and molecular markers” (BI Plant Genomics Laboratory, Institute of Biotechnology, Viikki Biocenter, University of Helsinki, Finland; National Center of Biotechnology", Nur-Sultan, Kazakhstan)
12.35-13.05	Dr. Sc. Muljukina N.A.¹, Geretskij R. "Fungi associated with grapevine trunk disease - esca - in Ukraine" (1-National Scientific Centre «V.Ye. Tairov Institute of Viticulture and Winemaking», Odesa, Ukraine)
13.05-14.00	Lunch
14.00-14.20	Dr. Verbitskaya T.G. "Molecular mechanisms of pathogenesis COVID-19" (Institute of Dentistry and Maxillofacial Surgery of the National Academy of Medical Sciences of Ukraine, Odesa, Ukraine)
14.25-14.45	Sirokha D.¹, Gorodna O.¹, Rayevsky A.^{1,2}, Lozhko D.¹, Livshyts G.¹, Zelinska N.³, Prof., Dr. Sc. Livshits L.¹ "Pathogenicity Analysis of Mutations Detected After Whole Exome Sequencing in Patients with Orphan Diseases" (1- Institute of Molecular Biology and Genetics of the National Academy of Sciences of Ukraine (IMBG), Kyiv, Ukraine 2- Institute of Food Biotechnology and Genomics of the National Academy of Sciences of Ukraine, Kyiv, Ukraine 3 - Ukrainian Scientific and Practical Center for Endocrine Surgery, Transplantation of Endocrine Organs and Tissues of the Ministry of Health of Ukraine, Kyiv, Ukraine)
14.50-15.05	Dr. Nesterkina M.¹, Ass. Prof., Dr. Bilokon S.², Ass. Prof., Dr. Aliksieieva T.², Prof., Dr.Sc. Chebotar S.², Prof., Dr.Sc. Kravchenko I.¹ "Genotoxic effect of terpenoids and their derivatives in <i>Drosophila melanogaster</i>" (1- Odesa National Polytechnic University, Odesa, Ukraine; Odesa I.I. Mechnikov National University, Odesa, Ukraine)
15.10-15.25	Rydkin O.V., Dr. Koshla O.T., Prof., Dr.Sc. Ostash B.O. "Mutations of post-transcriptional tRNA modifications genes <i>miaA</i> and <i>miaB</i> influence on resistance to stress factors in <i>Streptomyces albus</i> SAM2" (Ivan Franko National University of Lviv, Ukraine)
15.30-15.40	Coffee Break

15.40- 15.55	Ph.D. student Ishchenko O.O. ¹ ; Dr. Mel'nyk V.M. ^{1,2} , Prof., Dr. Sc. Kunakh V.A. ² , Prof., Dr. Sc. Volkov R.A. ¹ " Application of 5S rDNA for clarification of taxonomic status of <i>Avenella flexuosa</i> " (1- Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine; 2- Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine, Kyiv, Ukraine)
16.00- 16.15	Ph.D. student Popovych Yu.A. ¹ , Blagodarova O.M. ² , Chebotar S.V. ¹ " Polymorphism <i>Gli-1</i> genes among the modern Ukrainian bread winter wheat varieties " (1- Odesa I.I. Mechnikov National University, Odesa, Ukraine, 2 - Plant Breeding and Genetics Institute – National Center of Seed and Cultivar Investigations, Odesa, Ukraine)
16.20- 16.35	Toporash M.K. ¹ , Dr. Motsnyy I.I. ² , Prof., Dr. Sc. Sourdille P. ³ , Prof., Dr. Sc. Chebotar S.V. ¹ " Marker assisted selection in introgressive hybridization of wheat with 1R rye chromatine " (1-Odesa I.I. Mechnikov National University, Odesa, Ukraine, 2 – Plant Breeding and Genetics Institute – National Center of Seed and Cultivar Investigations, Odesa, Ukraine , 3- UMR INRA-UBP Amélioration et Santé des Plantes, Clermont-Ferrand, France)
16.40- 16.55	Ph.D. student Zharikova D.O. ¹ , Chebotar G.O. ¹ , Temchenko I.V. ² , Aksyonova E.A. ³ , Prof., Dr. Sc. Chebotar S.V. ¹ " Polymorphisms of microsatellite loci, associated with photoperiod sensitive <i>E</i> genes, in Ukrainian soybean varieties and perspective lines for breeding " (1- Odesa I.I. Mechnikov National University, Odesa, Ukraine; 2 - Institute of Feeds and Agriculture of Podillia of NAAS, Vinnitsa, Ukraine; 3-Institute of Genetics and Cytology, Minsk, Belarus)
17.00	Closing of the Biological Session