

QUESTIONNAIRE

(*) – mandatory fields

	Details about organisation
* Organisation name	Institute Molecular Biology and Genetics of NASU
Organisation acronym	IMBiG
* Organisation Activity Type (RES - Research, HE - University, SME - Small and Medium Enterprise, IND - Industry, OTH - Other)	RES
* Keywords of main research areas	molecular biology, genetics, health, environment
* Head of organisation (first name, family name)	Anna V. Elska
* Post code	03680
* Country	Ukraine
* City	Kyiv
* Street, House	Acad. Zabolotnij Str., 150
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* Description of organisation and its research achievements for the last five years (~ 5000 signs)
<p>The Institute of Molecular Biology and Genetics of the National Academy of Sciences of Ukraine (the IMBG of the NASU) was founded in 1973 on the basis of the Sector of Molecular Biology and Genetics of the Academician Zabolotnij Institute of Microbiology and Virology of the NASU. 30 years ago the IMBG of the NASU initiated joint collaboration of scientists and specialists in molecular biology, biochemistry, biophysics, microbiology, biotechnology, chemistry, and genetics. The Institute of Molecular Biology and Genetics is represented by 15 scientific departments and 6 laboratories. Presently its staff is comprised of 426 workers, including 184 scientists, 22 Doctors of Sciences (Dr. Sci.) and 112 Doctors of Philosophy (Ph.D.), 3 Members of the NASU, and 7 Corresponding Members of the NASU.</p> <p>Presently there are 120 young scientists (under 35 years old) at the IMBG of the NASU and their number is currently growing. Annually more than 20 young researches take a post-graduate course at the Institute.</p> <p>Scientific research program of the Institute is focused on the central trends of molecular biology, genetics and biotechnology, such as structural and functional genomics; proteomics and protein engineering; regulatory systems and signal transduction mechanisms; bioinformatics and computational modeling; gene and cell biotechnologies, gene therapy and diagnostics.</p> <p>The Institute provides Molecular Biology instruction for students as a branch of the Biochemistry Chair of the Biology Department of Kiev Taras Shevchenko University.</p>

Throughout 30 years of its existence the IMBG of the NASU registered 2 scientific discoveries, received one National Prize of the USSR, seven National Prizes of Ukraine, one Prize of the Council of Ministers of Ukraine, one Prize of the President of Ukraine designated for young scientists, and five Personal Prizes of the NASU. Over 3000 scientific articles were published by the scientists of the Institute, out of which more than 330 articles were published in renowned foreign journals. Workers of the Institute obtained 146 author's certificates.

IMBG actively participates in many national scientific programmes, e.g. "Urgent Measures for Liquidation of the Chernobyl Disaster Consequences"; "Protection of Genetic Fund of the Ukrainian Population"; "Chemical Therapy and Chemical Prophylactics of Viral Infections"; "Sensor Systems and Technologies", "Biotechnology".

For many years the scientists of IMBG have been successfully cooperating with their foreign colleagues from Germany, France, USA, Great Britain, Poland, Italy, Greece, Japan, Russia, Belarus and other countries. They maintain long-term collaboration with leading research laboratories of the world and participate in international projects, supported by INTAS, NATO, INCO-COPERNICUS, Howard Hughes Medical Institute, Wellcome Trust and others.

Since 1985 it has been publishing a scientific and theoretical journal "Biopolymers and Cell" in Ukrainian, Russian and English (www.biopolymers.com.ua). In 2004, IMBG began publishing the first Ukrainian scientific electronic journal - Ukrainica Bioorganica Acta (www.bioorganica.org.ua).

In 2002 IMBG created and launched the first version of Web portal in bioinformatics, genomics, structural biology, and molecular medicine as its inner bioinformational resource (www.bioua.org.ua).

	Contact Information
* Contact person (first name, family name)	Iryna Kozeretska
* Department / Laboratory	Department of Cell Population Genetics
* Position	Scientist researcher
* Qualification and research experience	2008-till now 2000-till now, Associated Professor National Taras Shevchenko University of Kyiv; 1994–2000, Assistant professor; 1987–1994, Researcher; Department of General and Molecular Genetics, Taras Shevchenko University of Kyiv, 1986-1987 Researcher; Department Of Cell Population Genetics, Institute Molecular Biology and Genetics of NASU; 2005-2006 (from 09-11-05 to 09-02-06) – Antarctica, participation in XXX Polish Antarctic Expedition. 2008 (from 16-06 to 05-07) – USA, researcher in NATO project, University of South Carolina
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codes)	
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International co-operation / Participation in EU RTD programmes or other bilateral / multilateral actions	
INTAS, TACIS, TEMPUS, COST, EUREKA, other RTD programmes (please specify programme/s, project title/s and year/s)	
2006-2008. Principal Investigator. – Studying Antarctic tundra dynamics in the course of progressive warming in the Antarctic Peninsula. Project within the ClicOPEN IPY programme. Programme PI: Dr. Doris Abele (Alfred Wegener Institute, Bremerhaven, Germany)	
2001–2005. Investigator. – Comparative population and monitoring research on Gentoo penguins (<i>Pygoscelis papua</i>) in Antarctica. Grant INTAS-01-0517.	

	Contact Information
* Contact person (first name, family name)	Igor Andrieiev
* Department / Laboratory	Department of Cell Population Genetics
* Position	Senior scientist researcher
* Qualification and research experience	1998 – till now, Senior Scientist Researcher Institute Molecular Biology and Genetics of NASU; 1997–1998, Scientist Researcher, Institute Molecular Biology and Genetics of NASU; 1990-1997, Researcher; Institute Molecular Biology and Genetics of NASU.
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International co-operation / Participation in EU RTD programmes or other bilateral / multilateral actions	
INTAS, TACIS, TEMPUS, COST, EUREKA, other RTD programmes (please specify programme/s, project title/s and year/s)	
1997–1999. Investigator. – An investigation of the fragmentation pattern of nuclear DNA during differentiation, aging and senescence of specific plant tissues. Grant INTAS-95-0092.	

	* Please, use “X” to indicate the scientific area/s of your potential project
CHEMISTRY	
SOCIAL AND HUMAN SCIENCES	

ECONOMIC SCIENCES	
ENGINEERING SCIENCE	
ENVIRONMENT	X
AGRICULTURE AND FOOD	
HEALTH	X
MATHEMATICS	
INFORMATION SCIENCE	
PHYSICS	
NANOTECHNOLOGIES	
ENERGY	
TRANSPORT	
SPACE	

* Summary of potential research project envisaged hosting of European researcher for the period of between 1 and 2 years
<p>We have the unique possibility to observe the manifestation of global warming. Sufficient climate changes are visible in Polar Regions. West Antarctica is the most interesting experimental place to study the terrestrial ecosystems formation in conditions of the glaciers retreat. The following investigations will be performed: - phytocoenological investigation of the Antarctic terrestrial ecosystems;- population research of Antarctic vascular plants focused on the populations structure and strategies;-research of the species diversity of lower plants, mosses and invertebrates to reveal dominant species that are important in the terrestrial ecosystems dynamics and trophic structure; -studying the birds participation in Antarctic community formation, dominant species spreading, and its further modeling by artificial transfer of the species; - cytogenetic and molecular biological research of the insular biota, and investigation of soil biogens and trace elements influence on terrestrial and freshwater ecosystems.</p>

	Please, confirm your agreement on data publication and dissemination
I agree with the publication of the data on the web-site http://www.inco-eeca.net , and dissemination among Mobility National Contact Points of the EU MS and AC (YES / NO)	
Date	