



BIONANOSENS further exploits the findings of a SWOT analysis, which was conducted for IMBG as part of the **COMBIOM** project #294932 (FP7)



Also, a new SWOT analysis for IMBG will be performed as part of the **BIONANOSENS** work plan.

All activities are carried out against the state-of-the-art standards in managing EU funded R&I projects – including Responsible Research and Innovation, gender balance, open access (data management, intellectual property management), exploitation and commercialisation orientation, and ethics.



The **BIONANOSENS** project www.bionanosens.eu (2020-2023) aims to position IMBG as an international Centre for Excellence in analytical biotechnology beyond Ukrainian borders.

IMBG as the main beneficiary and coordinator of BIONANOSENS is supported by four high-profile research and innovation (R&I) institutes from Europe - together they form the **BIONANOSENS** consortium:



Université Claude Bernard
Lyon 1



ZSI



HZDR
HELMHOLTZ-ZENTRUM
DRESDEN-ROSSENDORF



Lyon
Ingénierie
Projets

UCBL – Université Claude Bernard Lyon 1, France (Prof. Abdelhamid Errachid-el-Salhi, Prof. Nicole Jaffrezic-Renault, Prof. Jean-Marc Chovelon)

HZDR – Helmholtz-Zentrum Dresden-Rossendorf, Germany (Dr. Denys Makarov)

ZSI – Zentrum für Soziale Innovation, Austria (Gorazd Weiss, Philipp Brugner)

LIP – Lyon Ingénierie Projets, France (Javier Olaiz, Patricia Odet)



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The Institute of Molecular Biology and Genetics (IMBG) <http://imbg.org.ua/en/> of the **National Academy of Sciences of Ukraine (NASU)** was founded in 1973 by prominent Ukrainian scientists – Academicians of NASU B.E.Paton, S.M.Gershenson, V.P.Zosymovych, P.K.Shkvarnikov and G.Kh.Matsuka (who was the first Director, 1973-2003). Ganna Elskaya, Professor, Academician of NASU, Honoured Worker of Science and Technology of Ukraine was the second Director (2003-2019). Since 2019, the Institute is headed by Honoured Worker of Science and Technology of Ukraine, Academician of NASU, Professor Mykhailo Tuko.

IMBG is represented by scientific departments and scientific laboratories. The Institute has one of the highest levels of research potential in Ukraine, including many prominent scientists working here. Presently its staff is comprised of 300 employees (including 217 researchers), 23 Doctors of Sciences (Dr.Sc) and 100 Doctors of Philosophy (PhD), 3 Full Members of NASU and 7 corresponding members of NASU. About 25 PhD students work at the Institute each year.

IMBG funding comes from the National Academy of Sciences of Ukraine and is attracted from other national and international sources: about 50% IMBG earns due to winning projects in the different national and international competitions. Currently, the key research areas of IMBG are following the main trends in molecular biology, genetical and molecular biotechnology sciences.

Our core competencies:

- Development of new molecular and cell biotechnologies;
- Elucidation of fundamental and practical aspects of structural and functional genomics;
- Research on proteomics and protein engineering;
- Application of bioinformatics, computational modelling and new drugs design.

IMBG is one of the leading research centres in Ukraine in the field of analytical biotechnology, and one of our main goals is to develop market-driven innovations.