



ADAM MICKIEWICZ
UNIVERSITY
IN POZNAŃ

Faculty of Biology

1. FACULTY AUTHORITIES:

Prof. Bogdan Jackowiak, Dean

Phone: +48-61 829 5551
e-mail: bogjack@amu.edu.pl

Prof. Przemysław Wojtaszek, Deputy Dean for Research and International Collaboration

Phone: +48-61 829 5553
e-mail: przemow@amu.edu.pl

Prof. Joanna Deckert, Deputy Dean for Student Affairs

Phone: +48-61 829 5554
e-mail: biologia@amu.edu.pl

Prof. Jerzy Błoszyk, Deputy Dean for Education, Infrastructure and Collaboration with Economy

Phone: +48-61 829 5555
e-mail: bloszyk@amu.edu.pl

Prof. Rafał Mól, Head, School for PhD Studies

Phone: +48-61 829 5550
e-mail: ramol@amu.edu.pl

2. MISSION:

Natural sciences are inseparably connected with the University since its foundation in 1919. Today's mission of the Faculty is focused on the development of life sciences and biological education. In a quest to answer the question "What is life?", our research spans all the levels of hierarchical organization of life, from molecules to landscapes. The knowledge gathered is utilized in biotechnology and environmental protection. The academic staff of the Faculty actively participate in the education and training of students at all three levels of higher education, up to PhD degree in biological sciences. Being part of the scientific Poznań, we are open to society, rising the awareness of natural and biological issues among people of all ages.

3. INSTITUTES AND DEPARTMENTS:

INSTITUTE OF ANTHROPOLOGY

Head: Prof. Janusz Piontek
Phone: +48-61 829 5730
e-mail: piontek@amu.edu.pl
<http://www.staff.amu.edu.pl/~anthro/html/index.html>

INSTITUTE OF ENVIRONMENTAL BIOLOGY

Head: Prof. Jacek Dabert
Phone: +48-61 829 5602
e-mail: wiesia@amu.edu.pl
<http://www.bioarch.amu.edu.pl/strona/InstBiolSrod.html>

INSTITUTE OF EXPERIMENTAL BIOLOGY

Head: Prof. Grzegorz Jackowski
Phone: +48 61 829 5590
e-mail: ibedyr@amu.edu.pl
<http://www.staff.amu.edu.pl/~ibedyr/IBE/index.html>

INSTITUTE OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY

Head: Prof. Zofia Szweykowska-Kulińska
Phone: +48-61 829 5950
e-mail: ibmib@amu.edu.pl
<http://ibmib.amu.edu.pl/>

4. STATISTICS:

The Faculty of Biology is one of the fifteen faculties of Adam Mickiewicz University (Student enrolment in the academic year 2012-2013

- Full Time Studies: 1523
 - BSc Programs: 1031
 - MSc Programs: 492
- Extramural Studies: 241
 - BSc Programs: 138
 - MSc Programs: 103
- Ph.D. candidates: 173

Academic staff: 199

- Full professors (ordinarius): 39
- Professors and tenured doctors (doctor habilitatus): 44
- Doctors: 116

5. PROGRAMMES:

BSc Full-Time Study Programs:

- Biology
- Biology – major field of study: Teaching Nature
- Biotechnology
- Bioinformatics (joint programme with the Faculty of Informatics, Poznań University of Technology)
- Environmental Protection – during studies three major fields of study can be chosen by students: Protection of Water Environments, Protection of Land Environments, or Environmental Management

MSc Full-Time Study Programs:

- Biology – during studies five major fields of study can be chosen by students: Molecular Biology, Cell and Organism Biology, Population Ecology, Landscape Ecology, or Evolutionary Biology
- Biology – major field of study: Teaching Biology
- Biotechnology – major field of study: Agrobiotechnology
- Bioinformatics (joint programme with the Faculty of Informatics, Poznań University of Technology)
- Environmental Protection – during studies three major fields of study can be chosen by students: Protection of Water Environments, Protection of Land Environments, or Environmental Management

MSc Full-Time Study Programs in English:

- Biotechnology – major field of study: Biomedical Biotechnology
- Environmental Protection – major field of study: Biodiversity Protection

PhD Full-Time Study Programs:

- Biological sciences in Biology, Ecology, Biochemistry
- Biotechnology and Environmental Protection

BSc Part-Time Study Programs:

- Biology
- Environmental Protection
- MSc Part-Time Study Programs:
 - Biology
 - Environmental Protection

6. MAJOR RESEARCH FIELDS:

INSTITUTE OF ANTHROPOLOGY

- Human developmental biology in prenatal, perinatal and postnatal periods
- Life quality and aging in modern human populations
- Human population ecology
- Biology and ecology of prehistoric and historic human populations
- Biological and cultural factors determining human behaviour
- Morphology, variation, and evolution of early hominids

INSTITUTE OF ENVIRONMENTAL BIOLOGY

- Systematics, phylogenesis and biogeography of plants and animals
- Studies of Polish (algae, bryophytes, and angiosperms) and Central African flora
- Studies of Polish fauna (molluscs, myriapods, acari, spiders, insects, birds, mammals) and world acari
- Plant and animal population biology
- Chorology and ecology of plant communities
- Behavioural ecology with an emphasis on acoustic communication and signalling
- The role of human influence on the diversification of flora, fauna, and ecosystems
- The functioning, protection and restoration of aquatic ecosystems
- Interdisciplinary studies on the evaluation and assessment of ecological service
- The protection in situ and ex situ of rare and endangered species
- Aeropalynology
- Mycology

INSTITUTE OF EXPERIMENTAL BIOLOGY

- Physiological, biochemical, and molecular mechanisms of growth and development in plants and animals
- Defence and adaptive mechanisms in plants and animals reacting to biotic and abiotic stresses; wcototoxicology
- Taxonomy, phylogenesis, genetic diversity, and pathogenicity of selected groups of bacteria and viruses
- Experimental plant embryology; generation of interspecies hybrids
- Taxonomy and population genetics of plants
- Neuropeptidomics
- Structure and function of membranes, cellular organelles, cells, and organs in invertebrates
- Neurobiology – started in 2015/2016

INSTITUTE OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY

- Biogenesis, structure, and function of eukaryotic RNAs, both in pro- and eukaryotes
- Molecular organization and functioning of nuclear and organellar genomes in plants and animals
- Evolutionary bioenergetics of uncoupling systems and the communication between mitochondria and other organelles
- Molecular basis for the structural and functional integrity of plant cells
- Genetic engineering of plants with important agronomical traits
- Genetic and bioinformatic analyses of genome structures and genes involved in defence responses
- Mechanisms of detoxification of environmental pollutions
- Molecular mechanisms involved in cellular responses to inflammation and in the development of human diseases
- Application of bioinformatic methods to structural analyses of macromolecules, and to creation of biologically-inspired systems, combining various time scales: behaviour, development and evolution

7. MAJOR RESEARCH PROJECTS FUNDED:

- Horizon 2020: Flora Bobotica
- European Union (Framework Programs): EURASNET, HIALINECONTRASTRESS, EVOLGEN ADOPOLNOR
- European Structural Funds: NanoBioGeo, POLAPGEN
- Foundation for Polish Science: FOCUS, HOMING, HOMING PLUS, MPD, TEAM (2x), POMOST (2x)
- Polish Roadmap for Research Infrastructure: ELIXIR, NEBI, WCZT
- Ministry of Science and Higher Education: Iuventus Plus, Diamontowy Grant

8. FACILITIES AND INDEPENDENT LABS:

ISOTOPIC LABORATORY

Head: Dr Renata Rucińska-Sobkowiak
Phone: +48-61 829 5812
e-mail: renatar@amu.edu.pl

LABORATORY OF ELECTRON AND CONFOCAL MICROSCOPY

Head: Dr Sławomir Samardakiewicz
Phone: +48-61 829 5655
e-mail: sas@amu.edu.pl

LABORATORY OF MOLECULAR BIOLOGY TECHNIQUES

Head: Dr Mirosława Dabert
Phone: +48-61 829 5736
e-mail: seq@amu.edu.pl

NATURAL COLLECTIONS

Head: Prof. Jerzy Błoszyk
Phone: +48-61 829 5852
e-mail: bloszyk@amu.edu.pl

PHYTOTRON LABORATORY

Head: Dr Tomasz Wyka
Phone: +48-61 829 5607
e-mail: twyka@amu.edu.pl

LABORATORY OF BIOLOGICAL AND NATURAL EDUCATION

Head: Dr Rafał Bernard
Phone: +48-61 829 5588
e-mail: rbernard@amu.edu.pl

LABORATORY OF BIOLOGICAL INFORMATION SYSTEMS

Head: Dr Maciej Nowak
Phone: +48-61 829 5674
e-mail: mcnowak@amu.edu.pl

Faculty of Biology

Address:
ul. Umultowska 89, 61-614 Poznań
Phone: (+48) 61 829 55 56, Fax (+48) 61 829 56 36
E-mail: biologia@amu.edu.pl
Faculty website: <http://www.biologia.amu.edu.pl>