

IAA ACTIVITIES

Unique experience in organizing international scientific meetings:

- Baltic Morphology I (dedicated to the 120th anniversary of Prof. G. Backman). Riga, Latvia, 2–3 October 2003
- 15th European Neuroptides Club Meeting. Riga, Latvia, 19–21 May 2005
- Baltic Morphology IV. Riga, Latvia, 19–20 November 2007
- Baltic Morphology VII. Riga, Latvia, 7–9 November 2013

Unique experience in organizing annual student morphological scientific meetings (May of each study year): 18 meetings up to now.



IAA DEPARTMENTS

The Department of Morphology was established in 2009 by merging the Department of Anatomy with the Department of Histology and Embryology. Since its establishment, Head of the Department is Professor Māra Pilmane.

Research directions of the Department embrace comparative morphology and embryological studies.

IAA scientific laboratories:

- Laboratory of Morphology
- Laboratory of Anthropology
- Laboratory of Electron Microscopy

MUSEUM OF IAA

Director of the Museum is prof. **Māra Pilmane**.
The Museum holds several unique collections:

- Collection of Prof. A. Amelins
- Collection of Prof. J. Stradiņš
- Embryology exposition
- Histopathology exposition

The Museum is actively represented in various events such as the Researchers' Night that is supported by the European Commission and is a funded project.

Public educational tours on anatomy and embryology are available on request. Tours exploring the IAA anatomical and embryonic preparations and moulage collection are led by Director of the IAA, Head of Department of Morphology Professor Māra Pilmane and Assistant Prof. Dzintra Kažoka.

We invite groups to apply for a tour in advance

- by calling **67326209**
- by e-mail: **viktorija.leta@rsu.lv**
- or by e-mail: **irina.kalnina@rsu.lv**



RĪGA STRADIŅŠ
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EIROPAS REĢIONĀLĀS
ATTĪSTĪBAS FONDS

IEGULDĪJUMS TAVĀ NĀKOTNĒ



EIROPAS SAVIENĪBA

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ABOUT IAA

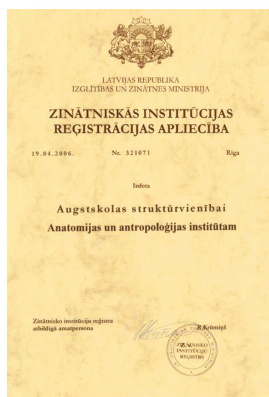
The Institute of Anatomy and Anthropology (IAA) at Rīga Stradiņš University (RSU) was established in 1997 on the basis of the former Department of Anatomy and Histology to develop new research laboratories and to combine all directions of morphological science with academic work.

The historical building Anatomicum was designed by the architect H.Scheel (1877/1879) and initially was a Greek orthodox seminary. Since 1920 with the arrival of the Swedish Professor Gaston Backman in Riga, the building has been an Alma mater for medical students and proudly welcomes everybody with the inscription above the main entrance **Hic locus est ubi mors gaudet succurrere vitae...**



In 2006 IAA was registered as an Institute for scientific research.

IAA successfully incorporates research data in teaching of basic medical subjects such as Anatomy, Anthropology, Medical Cell Biology, Histology, Embryology and Biomedicine. 21 PhD theses were defended in IAA during the last 10 years.



KEY OBJECTIVES OF IAA

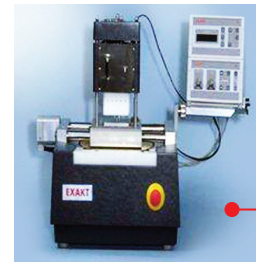
- To ensure integrated implementation of study programmes in Anatomy, Histology, Embryology, Anthropology, Medical Cell Biology as well as morphological aspects of clinical disciplines
- To ensure high standard education in Anatomy, Histology, Embryology and Anthropology
- To carry out morphological and anthropological research with human beings
- To carry out morphological and anthropological clinical diagnostics and development of standards
- Development and approbation of new research methods
- Research of history of Anatomy, Histology, Embryology, Anthropology as well as preservation of evidence

UNIQUE EQUIPMENT



Light and fluorescence research microscope **Leica DMRHC with Leica DC 3000f** digital camera and data analysing system Image Pro Plus.

Cryostat Leica CM 3050 for preparing of frozen sections and multihead microscope system.



Exact Grinding system for cutting, embedding and grinding very hard tissues.



IAA PROJECTS

IAA actively participates in the implementation of projects. Over the past decade, more than 20 projects have been implemented.

TOPICAL PROJECTS

- ERA-NET, FP6 Matera 2011 “Sonochemical technology for bioactive bone regeneration scaffold product”. Collaboration between Latvia, Israel, Poland. The RSU group headed by M.Pilmane. Duration: 2012–2014
- Project RSU ZP 01/2013 “032-Longitudinal Research on the Cleft Morphopathogenesis”. Head M.Pilmane, researchers B.Krivicka, L.Smane. Duration: 2013
- National grant No. 4 (No 10.10-4/VPP-2) “New materials and technologies for detection of biological tissue and tissue restitution within the framework of the National Research Program “Elaboration of Innovative Multifunctional Materials, Signal Processing and Information Technologies””. Collaboration with Riga Technical University. Head A.Skagers, researcher M.Pilmane. Duration: 2010–2014
- ERAF Project No.2010/0226/2DP/2.1.1.1.0/10 /APIA/VIAA/099 “Elaboration of new food substituents for agricultural pig and chicken farming to increase the productivity and concurrency of the branch”. Collaboration with Latvia University of Agriculture Head A.Jemeljanovs, researchers A.Valdovska, I.Zitare, M.Pilmane. Duration: 2010–2013