ÖAW AUSTRIAN ACADEMY OF SCIENCES

IMBA – INSTITUTE OF MOLECULAR BIOTECHNOLOGY

ABOUT IMBA

The Institute of Molecular Biotechnology (IMBA) of the Austrian Academy of Sciences (ÖAW) is one of Europe's leading biomedical research institutes. IMBA is located at the Vienna BioCenter, Austria's vibrant cluster of universities, research institutes, and biotech companies. IMBA research topics include chromosome biology, RNA biology, selfish elements and silencing mechanisms, functional genomics, cell and developmental biology, stem cell biology, molecular medicine, neuroscience, organoid research, and disease models.

ABOUT THE AUSTRIAN ACADEMY OF SCIENCES

The Austrian Academy of Sciences has the statutory mission of "promoting science in every way". Founded in 1847 as a learned society, it now has more than 760 members, 26 research institutes, and around 1,800 employees dedicated to innovative basic research, interdisciplinary exchange of knowledge, and the dissemination of new findings, with the aim of contributing to progress in science and in society as a whole.

IMBA PARTNERS WITH THE VIENNA BIOCENTER

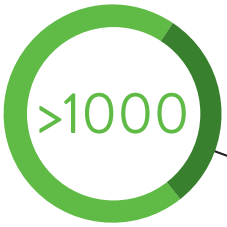
The Vienna BioCenter (VBC) is a leading life sciences location in Europe, offering an extraordinary combination of research, education, and business on a single campus. Over 2,500 employees, including more than 2,000 scientists from more than 75 nations create a highly international campus. 145 research groups, 39 biotech companies, and over 5000 students further highlight the dynamic and fast-growing environment.
www.viennabiocenter.org

IMBA Institute of Molecular Biotechnology of the Austrian Academy of Sciences 20 YEARS

ÖAW AUSTRIAN ACADEMY OF SCIENCES

SCIENTIFIC EXCELLENCE

PUBLICATIONS*



Publications since IMBA's start of operations in 2003

Over 1/3 of all IMBA publications are in the top 10% most cited articles in their respective fields
Source: InCites dataset accessed Feb 17, 2023

ERC GRANTS*

Starting	8
Advanced	5
Consolidator	5
Proof of Concept	3
Total	**21**

EMBO MEMBERSHIPS*

EMBO full members	7
EMBO YIP members**	1

*as of 02/2023
**Young Investigator Programme

RESEARCH GROUPS

Transposon silencing & heterochromatin formation by small RNAs
Transposons, piRNAs, heterochromatin, epigenetics, small RNAs

JULIUS BRENNECKE

Molecular determinants of biological idiosyncrasy
Genomics, selfish elements, speciation, hybrids, complex traits

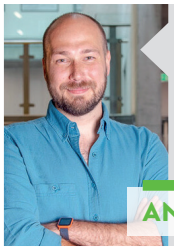
ALEJANDRO BURGA

Functional genomics in embryonic stem cells
Haploid screen, CRISPR/Cas, embryonic stem cells, cell fate

ULRICH ELLING

Chromosome structure and dynamics
Chromosomes, mitosis, advanced microscopy, genomics, biophysics

DANIEL GERLICH



Theoretical models of chromosome structure
Biophysics, polymer models, computational biology, chromosomes, mitosis, DNA repair, gene regulation

ANTON GOLOBORODKO

Mechanisms of plasticity after brain injury
Brain injury, connectivity, neural networks, circuit plasticity, remodeling

SOFIA GRADE

Dark genome in early mammalian development
Early mammalian development, "dark" genome, 3D genome organization, gene expression, single cell omics

JOANNA JACHOWICZ

Brain development and disease
Stem cells, brain, organoids, neurogenesis, neurons

JÜRGEN KNOBLICH
Interim Scientific Director

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Molecular control of human cardiogenesis
Heart development, human pluripotent stem cells, self-organization, cardiac organoids, cardioids

SASHA MENDJAN

Modeling human disease
Embryonic stem cells, organoids, development, cancer, disease, mouse models

JOSEF PENNINGER,
Founding Director

Blastoid development and implantation
Blastoids, stem cells, self-organisation

NICOLAS RIVRON

Macromolecular phase separation in germ cell fate
Phase separation, non-membrane-bound compartments, P granules, nuage, germline cell fate, in vitro reconstitution

SHAMBADITYA SAHA

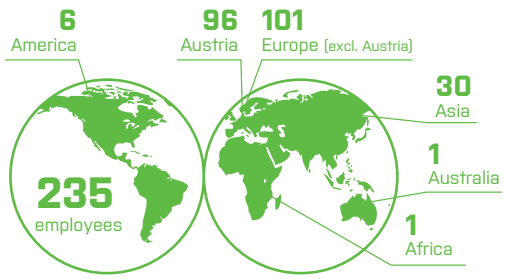
Regulation of neural stem cell quiescence
Brain, adult stem cells, quiescence, niche, metabolism, signaling

NOELIA URBÁN

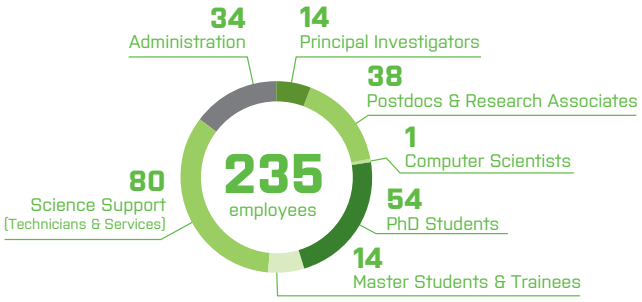
Mechanism and biology of RNA silencing
Post-transcriptional gene regulation, RNA biochemistry, RNP enzymology, RNA modifications, small non-coding RNAs

STEFAN AMERES
Adjunct Group Leader

STAFF BY NATIONALITY*



STAFF BY FUNCTION*



NATIONALITIES* (41)

Australia, Austria, Bosnia and Herzegovina, Bulgaria, Canada, Chile, China, Croatia, Costa Rica, Czech Republic, France, Germany, Greece, Hungary, India, Iran, Ireland, Israel, Italy, Japan, Lebanon, Mongolia, Netherlands, Philippines, Poland, Portugal, Russia, Serbia, Singapore, Slovenia, Slovakia, South Korea, Spain, Sweden, Switzerland, Taiwan, Thailand, Tunisia, Turkey, UK, USA

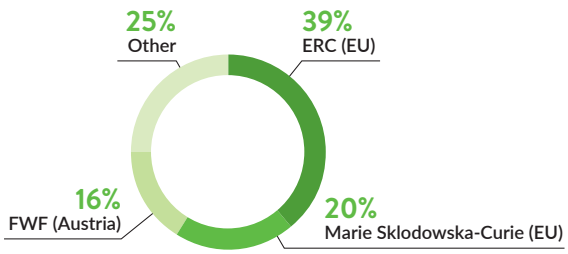
*as of 01/2023

IMBA Institute of Molecular Biotechnology of the Austrian Academy of Sciences 20 YEARS

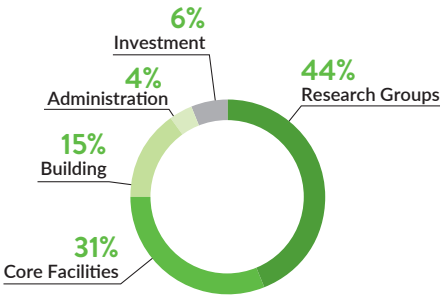
ÖAW AUSTRIAN ACADEMY OF SCIENCES

BUDGET

RESEARCH GRANTS
% of total financial volume in 2022



EXPENDITURES
% of total financial volume in 2022



SCIENTIFIC FACILITIES

IMBA is committed to the success of its research groups. We provide extraordinary administrative and scientific support with a broad array of cutting-edge services and facilities. Facilities that are available to IMBA researchers include:

- Advanced Microscopy Facility / BioOptics
- Bioinformatics
- Comparative Medicine
- Computational Biology Training
- Electron Microscopy
- Ethics & Biosafety
- Fly & Worm Facility
- Graphics
- Histology
- Max Perutz Library
- Metabolomics
- Molecular Biology Service
- Next Generation Sequencing
- Preclinical Phenotyping
- Proteomics Facility & Proteomics Tech Hub
- Stem Cell Core Facility
- Transgenic Core Facility
- Vienna Drosophila Resource Center

www.imba.oeaw.ac.at/scientific-facilities
www.vbcf.ac.at

EDUCATION & TRAINING

Together with our neighbors at the Vienna BioCenter, we offer international trainings for all levels of education. Our training programs are designed to prime and/or advance learning of critical skills in science.
Moreover, researchers can profit from a comprehensive seminar program with high caliber international speakers.

www.training.vbc.ac.at

Vienna BioCenter Summer school

Master's Projects

Vienna BioCenter PhD Program

Vienna International Postdoc program (VIP²)

MORE INFORMATION

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