Research at IST Austria

**Biology**
- Nick Barton: Evolutionary Genetics
- Eva Benková: Hormonal Cross-Talk in Plants
- Jonathan P. Bollback: Microbial Experimental Evolution and Statistical Genomics
- Tobias Bollenbach: Biophysics and Systems Biology
- Sylvia Cremer: Behavioral and Evolutionary Ecology
-JIJI Frott: Developmental and Cell Biology of Plants
- Călin Guet: Systems and Synthetic Biology of Genetic Networks
- Carl-Philipp Heisenberg: Morphogenesis in Development
- Harald Janovjak: Synthetic Physiology
- Martin Loose: Self-Organization of the Cell
- Leonid Sazanov: Structural Biology of Membrane Protein Complexes
- Daria Siekhaus: Invasive Migration of Immune Cells
- Michael Sixt: Morphodynamics of Immune Cells
- Beatriz Vicoso: Sex-Chromosome Biology and Evolution

**Computer Science**
- Bernd Bickel: Computer Graphics and Digital Fabrication
- Krishnendu Chatterjee: Computer-aided Verification, Game Theory
- Thomas Henzinger: Design and Analysis of Concurrent and Embedded Systems
- Vladimir Kolmogorov: Computer Vision and Discrete Optimization
- Christoph Lampert: Computer Vision and Machine Learning
- Krzysztof Pietrzak: Cryptography
- Chris Wojtan: Computer Graphics

**Mathematics**
- Herbert Edelsbrunner: Algorithms, Computational Geometry and Topology
- László Erdős: Mathematical Physics and Probability
- Jan Maas: Stochastic Analysis
- Caroline Uhler: Algebraic Statistics and Computational Biology
- Uli Wagner: Discrete and Computational Geometry and Topology

**Neuroscience**
- Jozsef Csicsvari: Systems Neuroscience
- Simon Hippenmeyer: Genetic Dissection of Cerebral Cortex Development
- Peter Jonas: Synaptic Communication in Hippocampal Microcircuits
- Gaia Novarino: Genetic and Molecular Basis of Epilepsy and Cognitive Disorders
- Ryuichi Shigemoto: Molecular Neuroscience

**Physics**
- Johannes Fink: Quantum Integrated Devices
- Björn Hof: Nonlinear Dynamics and Turbulence
- Georgios Katsaros: Nanoelectronics
- Mikhail Lemeshko: Theoretical Atomic, Molecular, and Optical Physics
- Robert Seiringer: Mathematical Physics
- Gašper Tkačik: Information Processing in Biological Networks

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The Institute of Science and Technology Austria (IST Austria) is a PhD granting research institution dedicated to basic research in the natural and mathematical sciences. Located in the city of Klosterneuburg on the outskirts of Vienna, IST Austria was inaugurated in 2009 with a total budget of 1.3 billion Euros of public funding until 2026.

The institute was modeled after leading scientific institutions and is committed to becoming a worldclass research center, offering a state-of-the-art, international environment for about 1000 scientists and doctoral students by 2026.

Research at IST Austria is supported by public funding, research grants, technology licensing, and donations.

Our way to excellence. To achieve our mission, IST Austria is based on the following eight principles:

- **BASIC RESEARCH** Curiosity Driven
- **INDEPENDENT** Board of Scientists
- **INTERNATIONAL** English Language
- **INTERDISCIPLINARY** No Boundaries
- **PHD GRANTING** Graduate School
- **SUPPORTING CAREERS** Tenure Track
- **DIVERSE FUNDING** Public and Private
- **EXPLOITING RESULTS** Intellectual Property

**Facility recruitment.** IST Austria invites applications for Professors and Assistant Professors in physics, chemistry, biology, neuroscience, mathematics, computer science, and interdisciplinary areas. Successful applicants for Assistant Professor are offered tenure-track positions.

IST Austria offers an attractive environment for excellent scientists from all over the world who are encouraged to pursue their own goals and ideas, independent of political and commercial interests. The institute chooses its scientific fields on the basis of the availability of outstanding researchers.

Research groups at IST Austria work in clusters together with groups in related fields to foster an interdisciplinary environment.

**Postdocs.** Highly qualified candidates who have recently completed doctoral studies in one of the disciplines at IST Austria are invited to apply for a full-time postdoctoral position for up to four years.

Working and studying at IST Austria.
- For all information regarding applications, please visit our website at www.ist.ac.at

**Admission.** Highly qualified doctoral students with an MS or BS degree are invited to apply to an annual admissions process. Earning a PhD at IST Austria takes on average four to five years, during which all students are employed full-time with a competitive salary. At first, each student works on projects with three different research groups, takes courses across the various fields offered at IST Austria, and then chooses a thesis supervisor.

**IST Scholars.** The institute has been awarded a Marie Skłodowska-Curie grant amounting to 4.4 million Euros for IST Scholars attending the IST Austria Graduate School. The prestigious program will run until 2021.

**ISTernship.** IST Austria offers summer internships to outstanding undergraduate students interested in basic research in physics, biology, neuroscience, mathematics, computer science, and interdisciplinary areas.

Admission to the IST Austria Graduate School.
- **Student Open Day on campus in November**
- **Online application November 15 - January 15**
- **Visit Day for shortlisted candidates in March**
- **Doctoral program starts September 15**