

## Professors participating in the ISTernship program 2022

Please find information about the research groups here: <https://ist.ac.at/en/research/> or <https://phd.pages.ist.ac.at/all-research-groups/>

Name	Research topic
Andela Saric	Computational Soft and Living Matter
Andrew Higginbotham	Condensed Matter and Quantum Circuits
Anna Kicheva	Tissue Growth and Developmental Pattern Formation
Bingqing Cheng	Computational Materials Science
Björn Hof	Nonlinear Dynamics and Turbulence
Carl Goodrich	Theoretical and Computational Soft Matter
Chris Wojtan	Computer Graphics and Physics Simulation
Christoph Lampert	Machine Learning and Computer Vision
Dan Alistarh	Distributed Algorithms and Systems
Edouard Hannezo	Physical Principles in Biological Systems
Eleftherios Kokoris-Kogias	Secure, Private, and Decentralized Systems (SPIDERS)
Eva Benková	Plant Developmental Biology
Florian Schur	Structural Biology of Cell Migration and Viral Infection
Gaia Novarino	Genetic and Molecular Basis of Neurodevelopmental Disorders
Herbert Edelsbrunner	Algorithms, Computational Geometry, and Computational Topology
Jan Maas	Stochastic Analysis
Jérémie Palacci	Materiali Molli
Jirí Friml	Developmental and Cell Biology of Plants
Johannes Fink	Quantum Integrated Devices
Jozsef Csicsvari	Systems Neuroscience
Julian Fischer	Theory of Partial Differential Equations, Applied and Numerical Analysis
Krishnendu Chatterjee	Computer-Aided Verification, Game Theory
László Erdős	Mathematics of Disordered Quantum Systems and Matrices
Leonid Sazanov	Structural Biology of Membrane Protein Complexes
Lora Sweeney	Evolution, Development, and Function of Motor Circuits

Maksym Serbyn	Condensed Matter Theory and Quantum Dynamics
Marco Mondelli	Data Science, Machine Learning, and Information Theory
Maria Ibáñez	Functional Nanomaterials
Martin Loose	Self-Organization of Protein Systems
Matthew Kwan	Combinatorics and Probability
Matthew Robinson	Medical Genomics
Maximilian Jösch	Neuroethology
Michael Sixt	Morphodynamics of Immune Cells
Mikhail Lemeshko	Theoretical Atomic, Molecular, and Optical Physics
Nick Barton	Evolutionary genetics
Onur Hosten	Quantum Sensing with Atoms and Light
Paul Schanda	Biomolecular Mechanisms from Integrated NMR Spectroscopy
Ryuichi Shigemoto	Molecular Neuroscience
Sandra Siegert	Neuroimmunology in Health and Disease
Scott Waitukaitis	Soft and Complex Materials
Stefan Freunberger	Materials Electrochemistry
Tamas Hausel	Geometry and Its Interfaces
Thomas Henzinger	Design and Analysis of Concurrent and Embedded Systems
Tim Browning	Analytic Number Theory and Its Interfaces
Tim Vogels	Computational Neuroscience and Neurotheory
Uli Wagner	Discrete and Computational Geometry and Topology
Vadim Kaloshin	Dynamical Systems, Celestial Mechanics, and Spectral Rigidity
Zhanybek Alpichshev	Condensed Matter and Ultrafast Optics