



European Research Council
Established by the European Commission

Technion ERC Team 2014/16

Horizon 2020 Framework



**Asst. Prof.
Moran Bercovici**
Mechanical Engineering
— Dynamic Microfluidic Structures for Analysis of Single Cell Systems



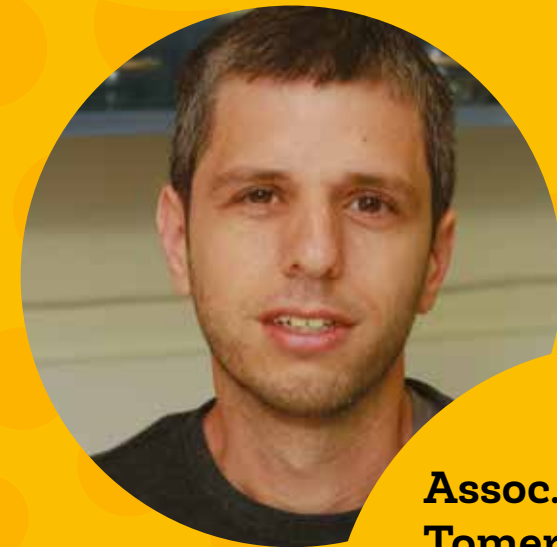
**Asst. Prof.
Mirela Ben-Chen**
Computer Science
— Operator Based Representations for Geometry Processing



**Asst. Prof.
Netanel Lindner**
Physics
— Expanding the Topological Frontier in Quantum Matter: from concepts to future applications



**Assoc. Prof.
Emanuel Milman**
Mathematics
— High-Dimensional Convexity, Isoperimetry and Concentration via a Riemannian Vantage Point



**Assoc. Prof.
Tomer Shlomi**
Computer Science
— Cancer Cellular Metabolism across Space and Time



**Asst. Prof.
Reut Shalgi**
Medicine
— Cracking the Translation Regulatory Code



**Asst. Prof.
Carmel Rotschild**
Mechanical Engineering
— New Thermodynamic for Frequency Conversion and Photovoltaics



**Asst. Prof.
Avi Schroeder**
Chemical Engineering
— Next-Generation Personalized Diagnostic Nanotechnologies for Predicting Response to Cancer Medicine



**Asst. Prof.
Josué Sznitman**
Biomedical Engineering
— Unravelling Respiratory Microflows in silico and in vitro: novel paths for targeted pulmonary delivery in infants and young children



**Assoc. Prof.
Nir Ailon**
Computer Science
— Speed-Information Tradeoffs: beyond quasi-entropy analysis



Prof. Yonina Eldar
Electrical Engineering
— Breaking the Nyquist Barrier: a new paradigm in data conversion and transmission



Prof. Shy Shoham
Biomedical Engineering
— Advanced Holographic Optical Neural Stimulation for Vision Restoration and Basic Research



**Assoc. Prof.
Debbie Lindell**
Biology
— Distinct Infection Dynamics and Ecological Success among Closely Related Marine Cyanophages: why the differences?



Prof. David Gershoni
Physics
— Deterministic Generation of Polarization Entangled Single Photons Cluster States



**Dist. Prof.
Shlomo Shamai (Shitz)**
Electrical Engineering
— Cloud Wireless Networks: an information theoretic framework

— STARTING

— CONSOLIDATOR

— ADVANCED

Technion congratulates its ERC grant recipients



European
Commission

Horizon 2020
European Union funding
for Research & Innovation



TECHNION
Israel Institute of Technology