



אוניברסיטת בן-גוריון בנגב
**Ben-Gurion University of the
Avram and Stella Goldstein-Goren Department
of Biotechnology Engineering
SEMINAR**



Prof. Boris Rybitchinski

Head Laboratory of Sustainable Nanomaterials, the
Department of molecular Chemistry and Material Science,
Weizmann Institute of Science, Rehovot, Israel.

June 23rd, 14:10, Building 51 – Auditorium Nano

From crystallization mechanisms to nanocrystalline materials

Prof. Rybitchinski's group investigates organic crystallization mechanisms using state of the art electron microscopy imaging and applies this knowledge to create noncovalent nanomaterials that can be as tough as covalent ones (such as polymers), and yet can be easily assembled and disassembled, enabling simple fabrication and recycling. Being bio-inspired, Rybitchinski's group employs water as a major material component and/or as an assembly medium, leading to unique structures and unparalleled materials strength. Regarding materials' function Rybitchinski's group is interested in filtration membranes, recyclable supramolecular plastic materials, and solar energy conversion.

Host:

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