אוניברסיטת בן-גוריון בנגב

Ben-Gurion University of the Negev

Avram and Stella Goldstein-Goren Department of Biotechnology Engineering

SEMINAR

Prof. Ben Maoz

Department of Biomedical Engineering,
Sagol School of Neuroscience,
The Center for Nanoscience and Nanotechnology,
Tel Aviv University
https://www.maozlab.com/

June 9th, 14:10, Building 51 – Auditorium Nano

Organ-on-a-Chip for studying human physiology.

Our laboratory specializes in developing advanced tools for improving human physiology. Overall, our lab has 3 main areas of expertise: 1. **Advanced in vitro models** – we use tissue engineering to create advanced in vitro systems that better mimic human physiology (e.g. Organs-on-a-Chip, organoids, iPSC). 2. **Integrated electronics** – we develop implantable electronics that enable to restore tactile sensation. 3. **Biohybrid robots** – we integrate the sensory systems of insects with robotic platforms to enable super-sensitive identification of smell using biological sensors. Our lab is very interdisciplinary and integrated a number of disciplines to push forward our biomedical capabilities beyond state-of-the-art. Our lab has extensive experience in developing advanced in vitro human-relevant models and personalized medicine.

Host:
Rachel Lichtenstein ruha@bgu.ac.il

אוניברסיטת בן-גוריון בנגב
הנדסה בבן-גוריון
לחקור. להתחבר. להשפיע.

הנדסת ביוטכנולוגיה

דוא"ל: biotech@bgu.ac.il

טלפון: 074-7795254/5 פקס: 08-6479758