



Are you looking to know how to build an Organ-on-a-Chip?

Ph.D. Research Positions Available at the Nanobioelectronics Laboratory



About the Nanobioelectronics Laboratory (<http://nanobioelectronics.weebly.com/>):

The Nanobioelectronics Laboratory (NBEL) in the Department of Biomedical Engineering at the Ben-Gurion University of the Negev specializes in interfacing biology with microelectronics. The lab focuses on integrating functional biomaterials with micro- and nano- systems for monitoring of chemical and biological markers and their utilization onto the next generation of mobile and network real-world personalized health monitoring applications.

Positions Description:

The Nanobioelectronics Laboratory has an available position for PhD research students, effective from February 2019. The positions are geared towards the development of ***Bio-Microelectromechanical Systems (Bio-MEMS) technology, materials, devices and systems for Organ-on-a-Chip that will be used for disease treatment analysis.*** Successful candidates should hold or pursue degree in Engineering Sciences with strong written and verbal communication skills in English. The research areas of focus span the fields of engineering, biology, electrochemistry, and materials science and involve collaborative work with clinical teams. The candidate will be expected to work independently, publish scholarly papers and attend international conferences, and take on a mentorship role for undergraduate students.

Preferred Qualifications:

- Self-motivation with long term research goals will be given preference
- Familiarization with electrochemical characterization techniques, MEMS/Bio-MEMS and microfabrication processes will be considered a plus
- The desire to work in a collaborative, dynamic, interdisciplinary, and international team

Interested candidates should send curriculum vitae along with a short statement of research interests to Dr. Hadar Ben-Yoav (benyoav@bgu.ac.il). Please also advise the website of the Kreitman School of Advanced Studies and Faculty of Engineering for information about Ph.D. procedures and competitive scholarships @BGU.