



A unique opportunity to invent a new wearable patch sensor for soldiers together with the IDF Medical Corps



Postdoctoral Fellow Position 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 a postdoctoral fellow, effective from February 2020 for 1.5 years. The positions are geared towards the development of *a novel wearable tattoo-based electrochemical sensor for real-time monitoring of soldier's injury in the field*. 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 methods 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 Postdoctoral fellow procedures and competitive scholarships @BGU.