

## Open Position

### **Nanofabrication specialist and owner of the Molecular Engineering and 3d-printing Laboratory**

#### Job Description:

The Molecular Engineering and 3d-printing Laboratory will be part of the Nanofabrication center. The laboratory owner position includes:

1. Expertise and ownership of state-of-the-art molecular engineering fabrication tools for the deposition, patterning, printing, and fabrication of soft devices.
2. Work in the cleanrooms, in collaboration with other nanofabrication specialists.
3. Develop and implement fabrication processes of new prototype devices:
  - a. Definition of device structure
  - b. Planning and coordination of experiments to be conducted for process development.
  - c. Analysis of process data and results.
  - d. Improvement of processes.
  - e. Device analysis and inspection.
4. Plan integral processes which involve new, advanced, and novel functional materials and cutting-edge technologies.
5. Mentoring and instructing researchers and students on fabrication techniques such as thermal deposition, maskless alignment and photolithography, ink-jet printing and 3d-printing.

#### Position requirements:

1. M. Sc or Ph.D (preferred) or practical experience in electrical engineering, physics, materials engineering or related fields.
2. Capability of developing advanced technological ideas and transforming them into prototypes.
3. Hands-on experience and ability to design experiments, analyze the results and summarize the information in technical reports and presentations.
4. Experience with molecular engineering various -printing techniques such as biological, inkjet, 3d printing, and soft lithography.
5. Ability to work in collaboration with team members.

#### Preferred skills:

1. Experience with process development, solving fabrication issues and process control.
2. Experience with multiple parameter analysis.

היקף: 100% משרה | מיקום העבודה באוניברסיטת בן גוריון. דרושות המלצות.  
פניות בצירוף קו"ח יש לשלוח למייל: [golaner@bgu.ac.il](mailto:golaner@bgu.ac.il) (יזמנו לראיון רק המועמדים בעלי ההתאמה הגבוהה ביותר לדרישות התפקיד. רק פניותמתאימות תיעננה)