



Postdoctoral Fellow (Liver Tissue Engineering)

Center for Engineering in Medicine
Massachusetts General Hospital and Harvard Medical School

Job Description

We are seeking postdoctoral fellows for our liver tissue engineering group. The fellows will partake in our research activities geared towards engineering whole liver grafts using pluripotent stem cell derived hepatocytes. Postdoctoral fellows in our center are expected to be independent and eventually build their own paths; however, they are expected to coordinate with and report to PIs for the projects they are hired for.

Desired Skills & Experience

PhD in Biomedical, Chemical or Mechanical Engineering, Material Science, or a related field

Preferred Experience:

1. Pluripotent stem cell culture and differentiation, preferably human origin
2. Standard molecular biology techniques (RNA extraction, qPCR, Western blotting)
3. Familiarity with antibody based techniques (immunocytochemistry, ELISA, etc.)
4. Tissue engineering (biomaterials, scaffold fabrication)

Candidates with experience with extracellular matrix biology research are strongly encouraged to apply.

Application package

Applications should be sent to applications@sbi.org with the subject line "Postdoc-TE", and addressed to Dr. Basak Uygun and Dr. Martin Yarmush.

We prefer the application packages to be submitted as a single pdf document that contains: 1) a cover letter, 2) a full CV with a complete list of publications, 3) name and contacts details of 3 references 4) 3 letters of recommendation, and 5) list of laboratory and other methods mastered.

Company Description

Center for Engineering in Medicine (located in Shriners Hospital) is affiliated with Massachusetts General Hospital & Harvard Medical school and houses 6 senior and ~10 junior PIs along with a research staff >50. The research in the hospital is funded by NIH, NSF, DOD, Shriners, MGH as well as industry.