



POST-DOCTORAL FELLOWSHIP

Bone Tissue Bioprinting

Ozbolat Laboratory at the Pennsylvania State University in State College, Pennsylvania will have an immediate opening for a post-doctoral research associate in the field of bone tissue engineering and bioprinting. The motivated individual will work on an NSF funded study to regenerate bone tissue through in situ bioprinting directly into defect site. The long term goal of this study is to translate bioprinting technology into surgery rooms for craniofacial reconstruction.

The candidate should have a strong background in a range of molecular biology techniques (cell transfection), cell culture and isolation (bone marrow stem cells), hydrogels, protein analysis (immunohistochemistry/immunofluorescence, microscopy imaging, Western blot) and animal (rodent) handling and dissection. Specific skills in lentiviral technology, stem cell (BMSC) differentiation, bioprinting and/or bone biology will be advantageous.

You will join a multidisciplinary research laboratory at the Millennium Science Complex, which is part of Huck Institute of Life Sciences. There are excellent opportunities to interact and collaborate with other researchers in the institute as well as other established PIs at Penn State University who specialize in biomaterials, tissue engineering and stem cells.

Applicants must possess a Ph.D. in the field of biomedical engineering, molecular/cellular biology, orthopedics, chemistry or closely-related field. Some experience in craniofacial reconstruction research would be an advantage. The appointment is for a period of 2 years.

Qualified candidates should apply by sending a cover letter, CV and the names of three references to:

Dr. Ibrahim T. Ozbolat
Associate Professor
Engineering Science and Mechanics
Huck Institute of Life Sciences
W313 Millennium Science Complex
Penn State University, PA, 16802
ito1@psu.edu