



PhD Students

in bioprinting and tissue engineering

Ozbolat Laboratory at the Pennsylvania State University in State College, Pennsylvania will have openings for PhD students in the field of bioprinting, tissue engineering and biomanufacturing. Ozbolat laboratory is a leading research group in the field of bioprinting and have pioneered various bioprinting technologies for tissue fabrication. The laboratory is seeking for highly motivated excellent students that can pursue PhD in Engineering Science and Mechanics or Biomedical Engineering Departments.

The following areas are of interest to our lab:

- Bone tissue printing for cranial tissue reconstruction
- Pancreatic tissue printing for type-I diabetes
- Angiogenesis and neovascularization in bioprinted scale-up tissue models
- Bioprinting of brain tissue for artificial intelligence
- Nerve tissue bioprinting
- Composite tissue bioprinting for craniofacial reconstruction
- Bioprinting of electrogenic organs for biological batteries

Prior MS degree in tissue engineering or related fields and experience with wet lab techniques, mammalian cell culture, cell viability and proliferation assays, immunoblotting, biomaterials, flow cytometry, PCR, confocal and fluorescence microscopy is required. Interested candidates should have a bachelor degree in engineering. Qualified candidates should apply to Penn State Graduate Program and notify Dr. Ozbolat via email regarding their applications.

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