PhD Students
in bioprinting and tissue engineering

Ozbolat Laboratory at the Pennsylvania State University accepts outstanding PhD students in the field of bioprinting, tissue engineering and biofabrication. Ozbolat laboratory is a leading research group in the field of bioprinting and have pioneered various bioprinting technologies for tissue fabrication.

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
- Skin 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 or science or doctor of medicine.

The laboratory is seeking for highly motivated, hard-working, excellent students that can pursue PhD in Engineering Science, Mechanics or Biomedical Engineering, or Biology or Chemistry. Students should satisfy minimum TOEFL and GRE scores in order to get admission to an appropriate program at Penn State. Funding is highly competitive and students with fellowships or scholarships are highly encouraged.

Qualified candidates should apply to Penn State Graduate Program and notify Dr. Ozbolat via email regarding their applications.

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