Surgical Research Position available in the Urological Diseases Research Center, Boston Children’s Hospital

A surgical research position is available in the Estrada and Adam laboratories within the Urological Diseases Research Center at Boston Children’s Hospital. Studies in our laboratories are focused on the design of silk fibroin grafts for hollow organ tissue engineering including tissues of the urinary and digestive tracts, and on the molecular mechanisms that underlie hollow organ tissue remodeling. Both small (rodent) and large (swine, rabbits, sheep) animal models of tissue repair in the bladder, urethra, and esophagus are employed. In addition, we explore the mechanisms of constructive remodeling of tissue engineered constructs by delineating how host tissue microenvironments interact, populate, and integrate into scaffold environments in vivo. Our groups synergize the expertise of clinicians, bioengineers, and molecular biologists in a dynamic research environment to produce clinically-viable biomaterials. Experience with small/large animal surgery and husbandry is required. Pathology, biomaterials, molecular biology, and/or immunological expertise is recommended. The candidate should be able to work independently as well as with a team of investigators. Excellent communication skills, both oral and written, are essential and an established publication record in tissue engineering is desired. English proficiency is required. This is an outstanding opportunity for persons interested in ultimately pursuing a medical and/or bioengineering career path. Applicants are expected to have an MD, PhD, and/or DVM. The position is available immediately. Interested candidates should send a CV, a brief summary of research experience and interests, and names of three references to:

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