Brisbois Lab: Available Projects

Multiple postdoctoral fellow positions are open for candidates with a Ph.D. in biomaterials or a closely related field, as well as a strong background and experience in the areas of: **polymer chemistry; small molecule synthesis; biomaterials; controlled release/delivery; light, fiber optics, and photoactivated release; 3D printing; materials characterization; biomedical engineering; materials and analytical chemistry; wound dressings; insulin delivery devices; and inhalation therapeutics**. As a team member, the successful candidate will work on fast-paced and interdisciplinary projects, including fabricating and characterizing novel polymers, therapeutic controlled release, and testing them using in vitro and in vivo models for conducting cell/molecular biology and biocompatibility tests. Postdoctoral researcher candidates that are highly independent, self-driven, have excellent communication skills, and are motivated with a passion for research and are encouraged to apply.

About the Lab: The lab is in the new UGA Interdisciplinary STEM research building and is funded by competitive grants including several NIH R01s, DoD, and CDC. Our lab's interdisciplinary research focused on the interface of materials, chemistry, bioengineering, biology, and medicine. Our current research focuses on biomaterials, polymer science, blood-surface interactions, antimicrobial surfaces, antifouling surface, and controlled delivery of therapeutic agents (e.g., nitric oxide). We design novel biomaterials and study their applications in medicine and other relevant fields. Our lab is comprised of an interdisciplinary team including scientists, engineers, and clinicians who aim to study the biocompatibility of medical devices (e.g., insulin delivery systems, catheters, extracorporeal circulation, hemocompatibility, and antimicrobial surfaces). We conduct translational research in an environment that promotes teamwork and collaboration, fosters innovative discoveries, and expedites the translation of these findings to clinical technologies to improve quality of life. Visit our website for more information: http://brisboislab.uga.edu/.