



DREXEL UNIVERSITY

Tissue Instructive Materials Laboratory

School of Biomedical Engineering,
Science and Health Systems

***** PhD and Postdoctoral Positions Available *****

Drexel University

School of Biomedical Engineering, Science, and Health Systems

PI: Christopher B. Rodell, PhD

Topic: Biomaterials & Drug Delivery

Description

PhD and Postdoctoral positions are available in Fall 2019 to develop minimally invasive therapeutic biomaterials within the Tissue Instructive Materials (TIMs) Laboratory at the School of Biomedical Engineering, Science and Health Systems at Drexel University (PI: Chris Rodell). For details and contact information, please visit: <https://drexel.edu/biomed/faculty/core/RodellChristopher/>.

Biomaterials continue to evolve as complex engineered tools for interactively instructing biological systems, aiding in the understanding and treatment of various disease states through intimate biological interaction. Working at the interface of materials science and physiology, the TIMs Lab seeks to **develop therapeutic biomaterials which present appropriate physiological cues (e.g., delivered drugs, controlled microstructure) for applications in immunoengineering, organ injury, and cardiovascular disease.** We use a combination of tools which include *in vitro* models, phenotypic screening, and *in vivo* imaging to better understand the interaction of living systems with biomaterials. We then harness these interactions to instruct the body's response to disease and injury. Projects are application driven, and an active interest in collaboration and *in vivo* studies is highly encouraged.

We look forward to building a diverse and interdisciplinary research group. Trainees with prior experience in chemical synthesis, supramolecular chemistry, drug delivery, immunology, or microscopy are especially encouraged to apply.

Qualifications

Applicants must hold a bachelor's or master's degree in Biomedical Engineering, Chemical Engineering, Materials Science, or related field. The lab is highly interdisciplinary and collaborative; an interest in translational applications and medical collaborations is highly encouraged.

Application Process

Please contact Dr. Chris Rodell at cbr58@drexel.edu for details. Graduate program applicants should submit applications at <https://drexel.edu/grad/apply/online-app/>. Postdoctoral applicants should contact Dr. Rodell directly, including a cover letter and CV.



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