



Open Position: Postdoctoral Researcher

The Shukla Lab at Brown University has an immediate opening for a postdoctoral researcher to work on an NIH-funded project involving the development of bacteria-responsive hydrogel dressings for the treatment of infected wounds. This postdoctoral opportunity will involve developing novel bacteria-responsive biomaterials and nanomedicine platforms, establishing *ex vivo* and *in vivo* models of infection, and evaluating the efficacy of these materials in relevant infection models.

Candidates should be able to independently drive research, contribute to a collaborative research environment, and be enthusiastic about mentoring students and working within a multidisciplinary research team.

Position Start Date: September 1, 2026 (flexible)

Application Deadline: Open until filled

Compensation: Competitive salary aligned with NIH stipend scales with full Brown University benefits.

Required Applicant Qualifications:

1. Ph.D. in Biomedical Engineering, Chemistry, Chemical Engineering, or a related field (completed prior to start date)
2. Strong track record of scientific publication and excellent communication skills
3. Demonstrated expertise in one or more of the following areas:
 - Organic synthesis and chemical characterization techniques
 - Biomaterials, drug delivery, antimicrobial materials
 - Microbiology, immunology, biochemistry, and/or cellular/molecular biology
 - *in vivo* disease models (murine, porcine preferred)

How to apply: Email a single PDF to Prof. Anita Shukla (anita_shukla@brown.edu) with the subject line "Postdoctoral candidate – [INSERT YOUR NAME]" containing:

1. Cover letter
2. Complete CV
3. Contact information for 3+ references

About the lab: The Shukla Lab focuses on the development of biomaterials-based treatments for microbial infections and combating the global antimicrobial resistance crisis. We are part of the Brown University School of Engineering and Institute for Biology, Engineering, and Medicine, and located in Providence, Rhode Island, a short train ride from Boston and NYC. The University provides excellent facilities for research and collaboration with the Brown University Warren Alpert Medical School. Learn more about our lab at www.designerbiomaterials.com and <https://www.linkedin.com/company/the-shukla-laboratory-for-biomaterials>.