

Handa Lab: Available Projects

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 focuses on the interface of materials, chemistry, bioengineering, biology, and medicine. Our current research focuses on biomaterials, polymer science, blood-surface interactions, antimicrobial surfaces, antifouling surfaces, and controlled delivery of therapeutic agents (e.g., nitric oxide). We design novel biomaterials and study their applications in medicine and other relevant fields. 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.

Multiple postdoctoral research positions are open for candidates with a Ph.D. in biomaterials/chemistry or a closely related field, as well as a strong background and experience in the fields of *polymer science, biomaterials, 3D printing, controlled release/delivery, microbiology, antimicrobial testing, hemocompatibility, tissue engineering, microfluidics, bioengineering, biochemistry, and chemistry.*

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. We are looking for postdoctoral researcher candidates who are highly independent, self-driven, have excellent communication skills, and are motivated with a passion for research.