



The Wilson Lab in the Department of Biomedical Engineering at the Johns Hopkins University is currently in search of talented postdoc candidates with a passion for science and a strong desire to make a positive impact on human health. The Wilson Lab's research focuses on the synthesis and preclinical validation of biomaterials-based immunomodulatory therapies that bias the adaptive immune response for the treatment of cancer, autoimmunity and infectious diseases. The work includes the synthesis of novel biomaterials via small-molecule and polymer chemistry and the characterization of novel materials via sophisticated techniques including FT-IR, NMR, LC/MS/MS, UV/Vis, DLS, confocal microscopy, flow cytometry, SEM, and TEM. If desired, the individual will also have the opportunity to test biomaterial functionality *in vitro* cell culture and *in vivo* animal disease models. The individual will assist in the training of Jr lab members, thus excellent interpersonal skills are required. Postdocs will be expected to demonstrate independence in experimental design and execution, work effectively with others in a collaborative setting, present results at both national and international meetings, and ultimately author publications for peer-reviewed journals.

The successful candidate will be highly motivated and have a proven track record of conducting independent research. **Broad experience in small-molecule and polymer synthesis and characterization is an absolute requirement.** A PhD degree in biomedical engineering, chemical engineering, chemistry, materials science or related disciplines is a prerequisite.

The postdoc will have the opportunity to work with collaborators of the Wilson Lab and will have a unique opportunity to perform highly original, cross-cutting research between immunotherapy and materials development on the Johns Hopkins University School of Medicine. Applicants are required to submit 1) curriculum vitae, 2) cover letter, 3) a list of three references with contact information including phone number and e-mail address. For more information on the Wilson Lab and to apply: www.immunoengineeringlab.com.