Associate Research Scientist in the Microscale Biocomplexity Laboratory in the Department of Biomedical Engineering at Columbia University in the City of New York.

The Microscale Biocomplexity Laboratory in the Department of Biomedical Engineering at Columbia University in the city of New York is looking to hire a specialist in immunology, biomaterials and microfabrication to lead the core laboratory for immuno-engineering. The strategic theme areas of the laboratory are T cell mechanosensing, in-vitro T cell activation and expansion for adaptive immunotherapy, T cell signaling at immunological synapses, and regulatory T cell activation and induction on micro-patterned artificial APC. The successful candidate will obtain and maintain primary T cells from human and animal, fabricate microstructures representing APCs, and analyze T cell signaling using immunostaining. The candidate will also be responsible for maintaining the functionality of the Microscale Biocomplexity Laboratory and will be expected to apply for external funding opportunities. 

Associate Research Scientists at Columbia SEAS are junior officers who have demonstrated innovation and excellence in research. Applicants should have a PhD or its professional equivalent. Extensive experience in microfabrication, surface modification and synthesis of biomaterials as well as working knowledge in T cell biology are preferred. Demonstrated experience in microfluidics and cell signaling is a plus. We also seek candidates with a strong ability to establish multidisciplinary research and educational collaborations with academic departments and units within Columbia University and other research institutions. Please send your curriculum vitae, cover letter, and names and contact information for three references to: academicjobs.columbia.edu/applicants/Central?quickFind=60113

The search will close no sooner than 12/15/2014 and remain open until the position is filled. Columbia University is an affirmative action/equal opportunity employer.