

Position: A postdoctoral position is available in the Allergy, Immunology and Rheumatology Division of the Department of Medicine at the University of Rochester. We are particularly interested in a postdoctoral candidate with research experience in flow cytometry, molecular biology, and RNA sequencing. The research project will focus on the role of B cells in the autoimmune diseases lupus and rheumatoid arthritis with a focus on the pathways that lead to aberrant B cell activation and promotion of plasma cell differentiation and autoreactive plasma cell survival. One of the goals is to evaluate the signals in the bone marrow that promote autoreactive plasma cell generation and survival, as well as the effects of a novel class of drugs which selectively inhibit nuclear pore export (SINEs). We hypothesize that SINE compounds inhibit NF κ B survival signaling in human BM plasma cells and pathogenic cytokine production (including IL6 and IFN- α) for maintenance of the plasma cell niche. We are also interested in how abnormal B cell activation promotes bone loss in these autoimmune diseases. This position is available immediately.

Qualifications: We are seeking a highly motivated individual who wants to influence his/her own development and is flexible, proactive, creative, detail-oriented, and has top teamwork competency but can also work highly independent.

A strong candidate will have:

- MD or PhD in Immunology, Biochemistry, Molecular Biology or related disciplines
- prior experience in flow cytometry and molecular biology
- some experience with generating transcriptome data and analysis
- proven ability to present and publish research data
- excellent inter-personal and communication skills / ability to build good working relations
- proficiency in spoken and written English.

Application: Candidates should provide a cover letter and CV electronically to:

Jennifer Anolik, M.D., Ph.D
Associate Professor of Medicine
Jennifer_Anolik@urmc.Rochester.edu

The University of Rochester, an Equal Opportunity Employer, has a strong commitment to diversity and actively encourages applications from candidates from groups underrepresented in high education.