POSTDOCTORAL POSITION:

Regulation of macrophage immune responses to dying cells in inflammation

Laboratory of Michael R. Elliott, PhD
Assistant Professor of Microbiology and Immunology
Center for Vaccine Biology and Immunology
University of Rochester Medical Center

Project details: This research project will focus on defining the molecular, cellular and in vivo regulatory effects of apoptotic and necrotic cells on tissue-resident macrophages during the onset and resolution of inflammation. Using a combination of cellular and molecular in vitro approaches and in vivo mouse models of acute and chronic inflammation, the goal of this project is to identify relevant signaling pathways in macrophages that can be developed as novel therapeutic interventions to treat inflammation-related disorders.

Position details: This position is for up to 3 years and is funded by a new R01 grant from the National Institutes of Health. Work will be carried out in the Elliott Lab in the Center for Vaccine Biology and Immunology - a highly interactive and collaborative environment that provides intensive and abundant opportunities for a rich training experience in immunology.

Qualifications: Strong candidates will have:
- MD or PhD in Immunology or related field
- Meaningful experience in applied molecular biology
- Direct experience working with mice and with tissue culture techniques
- Experience in flow cytometry, gene expression analyses and antibody-based assays
- One or more first author publication in a peer-reviewed journal
- A strong work ethic with a high level of self-motivation and the ability to work effectively both independently and within a team
- Strong oral and written communication skills
- Ability to apply for competitive fellowship grants

To apply: Email pdf of cover letter and current CV to: Michael_Elliott@urmc.rochester.edu