

# Post-Doctoral Fellow: Translational Medicine and Rheumatology

**ENVIRONMENT:** An NIH-funded post-doctoral fellow position is available in the Korman laboratory in the Allergy, Immunology and Rheumatology Division of the Department of Medicine at the University of Rochester <https://www.urmc.rochester.edu/labs/korman.aspx>. The lab focuses on translational studies related to the pathogenesis of autoimmune diseases including rheumatoid arthritis and systemic sclerosis (scleroderma). Ongoing work in the laboratory includes assessment of signaling pathways related to immune checkpoints in arthritis, and characterization of shared pathways involved in fibrosis and vascular dysfunction in scleroderma. The post-doctoral fellow will have funded projects related to both of these domains. We work with primary patient samples, transgenic mice, and established in vivo and in vitro models of disease. Techniques employed by the laboratory include cell culture including organotypic culture, molecular biology including qPCR, Western blot, ELISA, immunostaining, flow cytometry, in vivo studies, RNA sequencing and related omic technologies, bioinformatics, and histologic analysis.

**JOB DESCRIPTION:** The postdoc will lead projects in rheumatologic autoimmune disease and contribute to other projects on a collaborative basis, and will receive advanced training to develop research independence. Under the direction of the principal investigator, the post-doc will design and conduct experiments, and analyze research data. The post-doc will prepare writing and figures for scientific manuscripts. This individual may train or supervise research staff and students in the lab. The post-doc may develop new ideas to further current research. The position is available immediately. The initial appointment is for one year, with renewal expected if satisfactory and funds are available. Appointments cannot exceed five years.

**QUALIFICATIONS:** Candidates should have recently earned a PhD, MD, or MD/PhD degree in a broadly relevant field. Experience in cell culture and molecular biology techniques is required, additional relevant experience is desirable.

**LOCATION:** The laboratory is within the Center for Musculoskeletal Research at the University of Rochester (UR) Medical Center in Rochester, NY.

UR is committed to fostering, cultivating, and preserving a culture of equity and inclusion. The University believes that a diverse workforce and inclusive workplace culture enhance the performance of our organization and our ability to fulfill our important missions. More information about postdoc activities and opportunities are available on this webpage: <https://ccc.rochester.edu/pda/home/>

Interested applicants should send a CV, and cover letter with description of research experience and interests to [benjamin\\_korman@urmc.rochester.edu](mailto:benjamin_korman@urmc.rochester.edu)