

## Post-Doctoral Scientist Positions: Virus-Host Interactions

We are seeking highly motivated and talented post-doctoral scientists to join our team and investigate the mechanisms by which Human Cytomegalovirus (HCMV) manipulates cellular processes to facilitate infection. Our laboratory is located in the Department of Biochemistry & Biophysics in University of Rochester Medical Center, Rochester, NY.

Projects will explore the mechanisms through which specific viral gene products: 1) modulate histone acetyltransferase activities to regulate cellular gene expression; 2) target cellular metabolism to support infection; and 3) attenuate anti-viral signal transduction.

### Key Responsibilities:

- Design and execute experiments to investigate HCMV-host interactions.
- Utilize a range of cutting-edge techniques, including:
  - Metabolomics, proteomics, and RNA sequencing to profile cellular changes during infection.
- Chromatin profiling: Techniques such as Cut&Run and Cut&Tag to analyze epigenetic modifications and gene regulation.
- Present research findings at lab meetings, institutional seminars, and national/international conferences.
- Prepare manuscripts for publication in peer-reviewed journals.
- Mentor junior lab members and contribute to a collaborative research environment.

### Qualifications:

Ph.D. in Virology, Molecular Biology, Cell Biology, Biochemistry, or a related field.

Demonstrated expertise in molecular and cellular biology techniques.

Experience with 'omics' technologies (metabolomics, proteomics) or chromatin profiling (Cut&Run, Cut&Tag, CHIP-seq) is a significant advantage.

Excellent written and oral communication skills.

Ability to work independently and as part of a collaborative team.

A strong publication record commensurate with experience.

### To Apply:

Interested candidates should submit a cover letter outlining their research interests and career goals, a curriculum vitae, and contact information for three professional references to [Joshua\\_munger@urmc.rochester.edu](mailto:Joshua_munger@urmc.rochester.edu)