



COLUMBIA UNIVERSITY
Vagelos College of Physicians and Surgeons

Postdoctoral Scientist in Host-Microbe Interactions and Mucosal Immunology

**Columbia University Irving Medical Center
New York City, USA**

Post-doctoral research positions are available in the Laboratory of Mucosal Immunology in the Department of Microbiology and Immunology at Columbia University. The laboratory uses *in vivo* and “-omics” approaches to study the interplay between commensal microbes and host physiology with focus on mucosal and tissue immunity and host metabolism.

The Postdoctoral Research Scientists will conduct research in the areas of intestinal immune homeostasis, tissue resident T cell responses, microbiota engineering, or the role of diet, metabolism and intestinal immunity in systemic disease (Ladinsky et al., *Science* **2019**; Kawano et al., *Cell* **2022**; Brockmann et al., *Immunity* **2023**; Araujo et al., *Science Immunology* **2024**). For more information about the laboratory visit the lab website at: <https://www.ivanovlab.com>.

Candidates will have an opportunity to perform cutting-edge interdisciplinary research, train in a highly collaborative environment, interact with leading researchers and be a part of a large and diverse scientific community.

Qualifications

Minimum Degree Required: Ph.D. or M.D.

Candidates with prior experience in immunology, lymphocyte biology, epithelial cell biology, computational biology, microbiology, mucosal immunology or animal disease models are encouraged to apply. At least one first author peer-reviewed publication is required.

Application information:

Positions are open immediately, but start dates are flexible. To apply, please submit a cover letter, CV, and contact information for three references to Dr. Ivaylo Ivanov at ii2137@cumc.columbia.edu.