



## Looking for a postdoctoral fellow

Introduction to the Kim Lab:

**The Kim Lab at Columbia University Irving Medical Center**, New York focuses on translational cancer and vascular biology with a primary focus on the following.

1. Unraveling effective strategies to delay metastatic progression by modulating the tumor microenvironment, specifically by targeting the tumor vasculature.
2. Investigating the role of vascular leakage in T-cell exclusion and tumor immune suppression.
3. Understanding the contribution of blood-brain barrier disruption to the progression of Alzheimer's disease.

The Kim Lab is looking for a postdoctoral fellow who will work on preclinical and translational studies based on various mouse tumor models and human specimens by using tools such as the following:

- Immune profiling using flow cytometry and multiplex staining.
- Single cell sequencing and spatial transcriptomics of mouse and human tissues.
- Imaging to determine vascular changes and function.

These experiences are preferred but not required.

Additional preferred qualifications of research area:

- Experience in cancer biology using mouse models and human tissues
- Experience in cancer immunology
- Experience in neurodegenerative diseases

If you are interested in the position, please send your cover letter and CV to [mk4242@cumc.columbia.edu](mailto:mk4242@cumc.columbia.edu). We will contact potential candidates for the subsequent interview process after our review.

**Website:** <https://www.pathology.columbia.edu/research-labs/kim-lab>

### Selected recent publications:

Lee E\*, O'Keefe S\*, Leong A\*, Park HR, Varadarajan J, Chowdhury S, Kim S, Shiva A, Friedman R, Remotti H, Fojo A, Yang HW, Thurston G, and **Kim M<sup>#</sup>**. Angiopoietin-2 promotes hepatic metastatic growth by restricting T-cell infiltration to the liver in pancreatic neuroendocrine tumors. *J Clin Invest*. In Press.

Park HR\*, Shiva A\*, Cummings P, Kim S, Kim S, Lee E, Leong A, Chowdhury S, Shawber C, Carvajal R, Thurston G, An JY, Lund AW, Yang HW, **Kim M<sup>#</sup>**. Angiopoietin-2-dependent spatial vascular destabilization promotes T-cell exclusion and limits immunotherapy in melanoma. *Cancer Res*. 2023 Jun 15;83(12):1968-1983. PubMed PMID: 37093870; PubMed Central PMCID: PMC10267677 (Cover article)