



Memorial Sloan Kettering
Cancer Center™

We are seeking highly motivated postdoctoral fellows to join Dr. Wesley Tansey's new laboratory in Computational Oncology at Memorial Sloan Kettering Cancer Center in New York. Dr. Tansey's lab focuses on developing new methods in machine learning and statistics that solve pressing problems in cancer.

Applicants must possess a PhD in a quantitative discipline such as computer science, statistics, or biostatistics. Applicants should also have experience with some subset of the following:

- Bayesian hierarchical models
- Spatial statistical methods (e.g. Gaussian processes, trend filtering)
- Deep learning
- Hypothesis testing
- Causal inference
- Sequential decision making (e.g. active learning, reinforcement learning)
- Scalable and efficient computation

Candidates should have a track record of publications in machine learning and/or statistics and be passionate about using machine learning and probabilistic modeling to better understand, diagnose, and treat cancer. Experience working with biological or medical data is not required. Experience developing high-quality, open-source software is considered an asset.

Candidates will lead projects investigating one or more of the following:

- Spatial modeling of the tumor microenvironment from cellular imaging data
- Biomarker discovery and feature selection
- Adaptive experimental design for novel therapy discovery
- Causal inference from observational health records

Candidates from historically underrepresented groups are strongly encouraged to apply.

Interested candidates should send a cover letter indicating the reason for the application, curriculum vitae, link to a Github profile, and the names and contact information for 3 references to:

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