



Center for Regenerative Medicine | Massachusetts General Hospital  
185 Cambridge St | Boston, MA 02114 | <https://sykeslab.com/>

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### Job

Post-doctoral fellow

### Education

Ph.D. and/or M.D. required

### Overview

We seek a curious, enthusiastic, independent, and highly motivated individual to work in a multi-disciplinary team within the Center for Regenerative Medicine and the Cancer Center at the Massachusetts General Hospital.

### Who are we?

We are a team of scientists, surgeons, pathologists, and physicians who are working on the problem of **bone marrow cancer metastases**, with a focus on prostate cancer and renal cell carcinoma.

### Description

As a post-doctoral fellow, you will build on a strong foundation of preliminary data (titles and links below), where we have examined the tumor immune microenvironment from fresh human patient samples.

1. Human prostate cancer bone metastases have an actionable immunosuppressive microenvironment
  - a. <https://pubmed.ncbi.nlm.nih.gov/34719426/>
2. A new transcriptional metastatic signature predicts survival in clear cell renal cell carcinoma
  - a. <https://www.biorxiv.org/content/10.1101/2022.06.28.497333v1>
3. Integrated single-cell and spatial transcriptomic analyses unravel the heterogeneity of the prostate tumor microenvironment
  - a. <https://www.biorxiv.org/content/10.1101/2022.03.18.484781v1>

Following this comprehensive single-cell transcriptomic analysis of primary and metastatic samples, we have now turned to biological and functional validation.

### Techniques

- Molecular biology, including the isolation of DNA and RNA
- Tissue culture, including the dissociation of fresh human patient samples
- Flow cytometry, including sorting
- Experience with murine models of cancer

### Who would be an ideal candidate?

- Curious about science and loves to learn
- Strong time management skills and methodical record keeping
- Strong interpersonal and communication skills
- Responsible, trustworthy, and mature
- Works selflessly as a member of a team
- Internally motivated

### Please join our team! → How to apply?

- Cover letter: please be specific in why the Sykes Lab and the project are good fits.
- Curriculum vitae
- [https://partners.taleo.net/careersection/ghc/jobdetail.ftl?job=3214384&tz=GMT-04%3A00&tzname=America%2FNew\\_York](https://partners.taleo.net/careersection/ghc/jobdetail.ftl?job=3214384&tz=GMT-04%3A00&tzname=America%2FNew_York)