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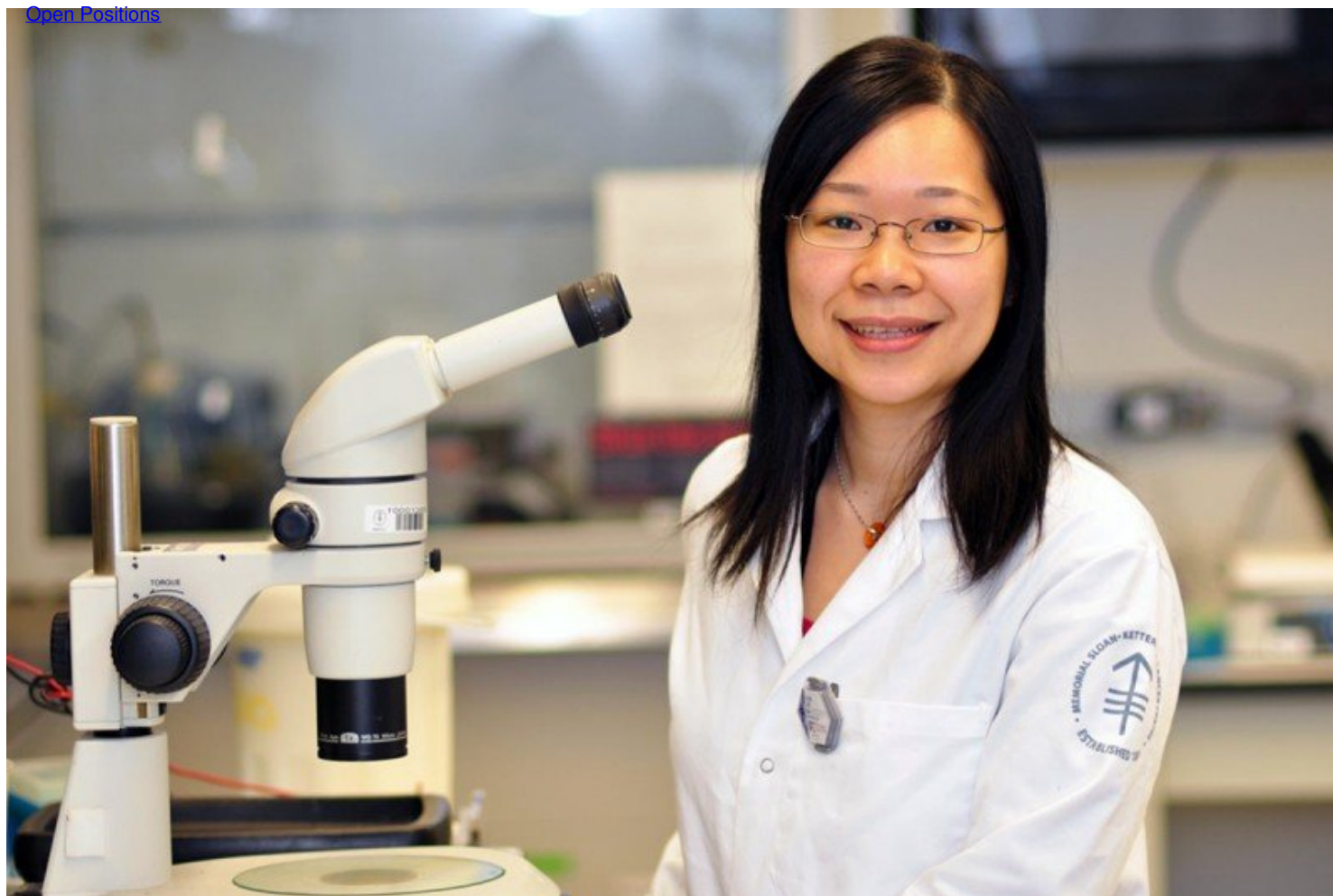
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Isabel Lam, PhD

Postdoctoral Fellow, Brigham and Women's Hospital, Harvard Medical School

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Lab Phone

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Dissertation

[The meiotic recombination initiation landscape in yeast: Evolutionary dynamics and factors that shape its distribution \(2016\)](#)

Mentor

[Scott Keeney, PhD](#)

Start Year

2008

End Year

2016

Education

New York University

My first research experience was in the lab of Hannah Klein at NYU Medical School, investigating DNA damage repair mechanisms using yeast genetic approaches. This encounter sparked my interest in research science and genome integrity. I wanted to continue my studies with a PhD because I wanted to learn how to tackle a research project independently. I chose Gerstner Sloan Kettering because of the size of the program, the personal attention, and the interactions between its staff and the students. In addition, Memorial Sloan Kettering had many labs that were potentially a good fit for my research interests.

Fellowships

[Ruth L. Kirschstein Predoctoral Individual National Research Service Award \(NIH F31\)](#) (2011-2013)

Olayan Fellowship (2009-2010)

Publications

[Lam I, Mohibullah N, Keeney S. \(2017\) Sequencing Spo11 Oligonucleotides for Mapping Meiotic DNA Double-Strand Breaks in Yeast. *Methods Mol Biol.* 1471, 51-98.](#)

[Lam I, Keeney S. \(2015\) Non-paradoxical evolutionary stability of the meiotic recombination initiation landscape in yeasts. *Science*, 350, 932–937. PMID: PMC4656144.](#)

[Vincenten N, Kuhl LM, Lam I, Oke A, Kerr A, Hochwagen A, Fung J, Keeney S, Vader G, Marston AL. \(2015\) The kinetochore prevents centromere-proximal crossover recombination during meiosis. *eLife*, 4, e10850. PMID: PMC4749563.](#)

[Lam I, Keeney S. \(2014\) Mechanism and regulation of meiotic recombination initiation. In: Heyer, Hunter, and Kowalczykowski, editors. *Cold Spring Har Perspect Biol.*, 7, a016634. PMID: PMC4292169.](#)

[Chi, P., Kwon, Y., Visnapuu, M., Lam, I., Santa Maria, S., Zheng, X., Epshtein, A., Greene, E., Sung, P., Klein, H. \(2011\). Analyses of the yeast Rad51 recombinase A265V mutant reveal different in vivo roles of Swi2-like factors. *Nucleic Acids Res.* 39, 6511-6522. PMID: 21558173; PMID: PMC3159464.](#)

[Thacker, D., Lam, I., Knop, M., Keeney, S. \(2011\) Exploiting Spore-Autonomous Fluorescent Protein Expression to Quantify Meiotic Chromosome Behaviors in *Saccharomyces cerevisiae*. *Genetics*, 189, 423-439. PMID: 21840861; PMID: PMC3189805.](#)

[Siaud, N., Barbera, M., Egashira, A., Lam, I., Christ, N., Schlacher, K., Xia, B., Jasin, M. \(2011\) Plasticity of BRCA2 function in homologous recombination: genetic interactions of the PALB2 and DNA binding domains. *PLoS Genet.* 7, 1-12. PMID: 22194698; PMID: PMC3240595.](#)

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