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Cancer Center

About Us

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Research

Education & Training

Immunology Program
News & Events

IMMUNOLOGY PROGRAM

The Ming Li Lab

Research

Open Positions
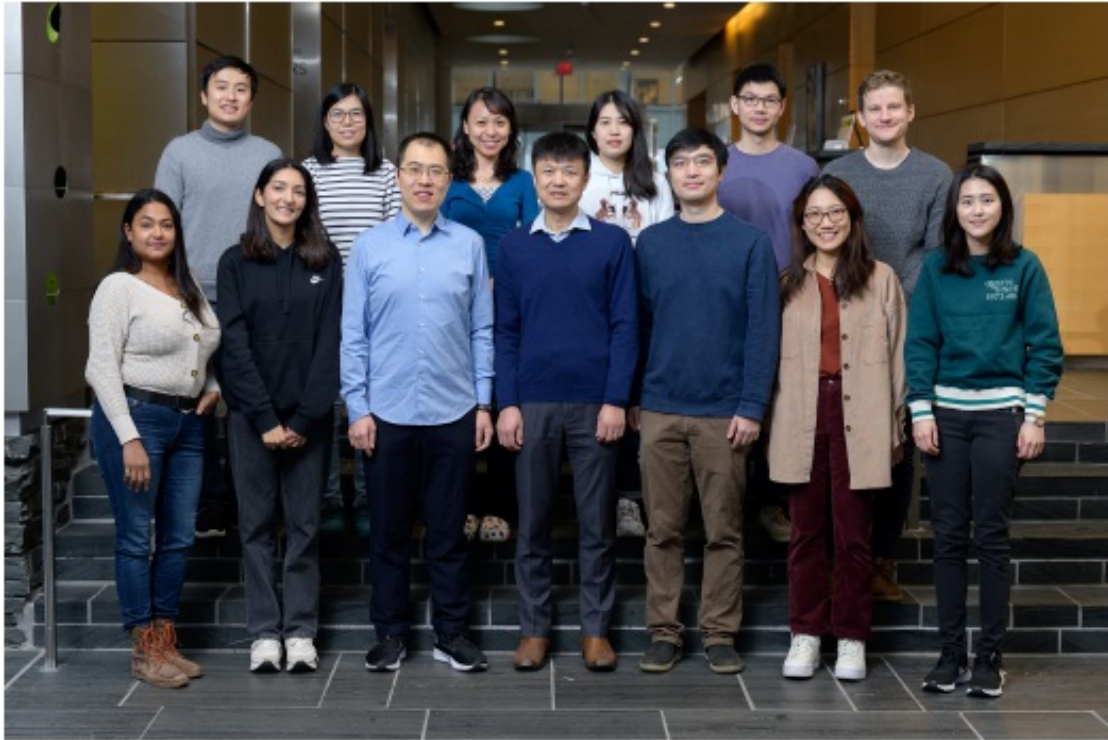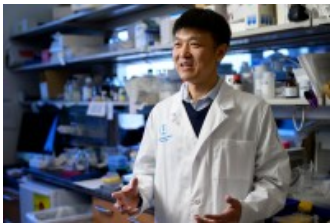
Ming Li, PhD

The pervasive influence of the immune system on human health and disease underscores the importance of a mechanistic understanding of immune regulation under pathophysiological conditions such as cancer. Cancer immunology research in my laboratory aims to decipher the cellular and molecular basis of tumor-elicited innate and adaptive immune responses and develop mechanism-based interventions to unlock the untapped potential of the immune system for cancer therapy.
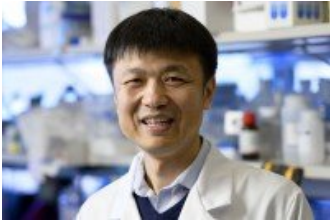
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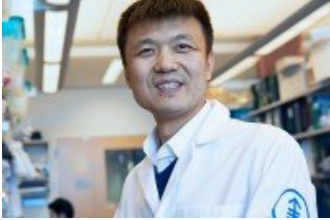

[How One Lab at MSK Is Working To Harness the Power of the Immune System Against Cancer](#)

Study by study, Dr. Ming Li's lab at MSK is sharing new insights into the molecular and cellular mechanisms involved in immune regulation.

[SKI Scientists Identify Potential New 'Soldier' for Cancer Immunotherapy](#)

The new cells, which the scientists have dubbed killer innate-like T cells, differ in several notable ways from the conventional target of many immunotherapies.

[Sloan Kettering Institute Scientists Solve a 100-Year-Old Mystery about Cancer](#)

Scientists have long known that cancer cells and immune cells have an uncommon hunger for glucose but haven't understood why. A new study offers an answer.
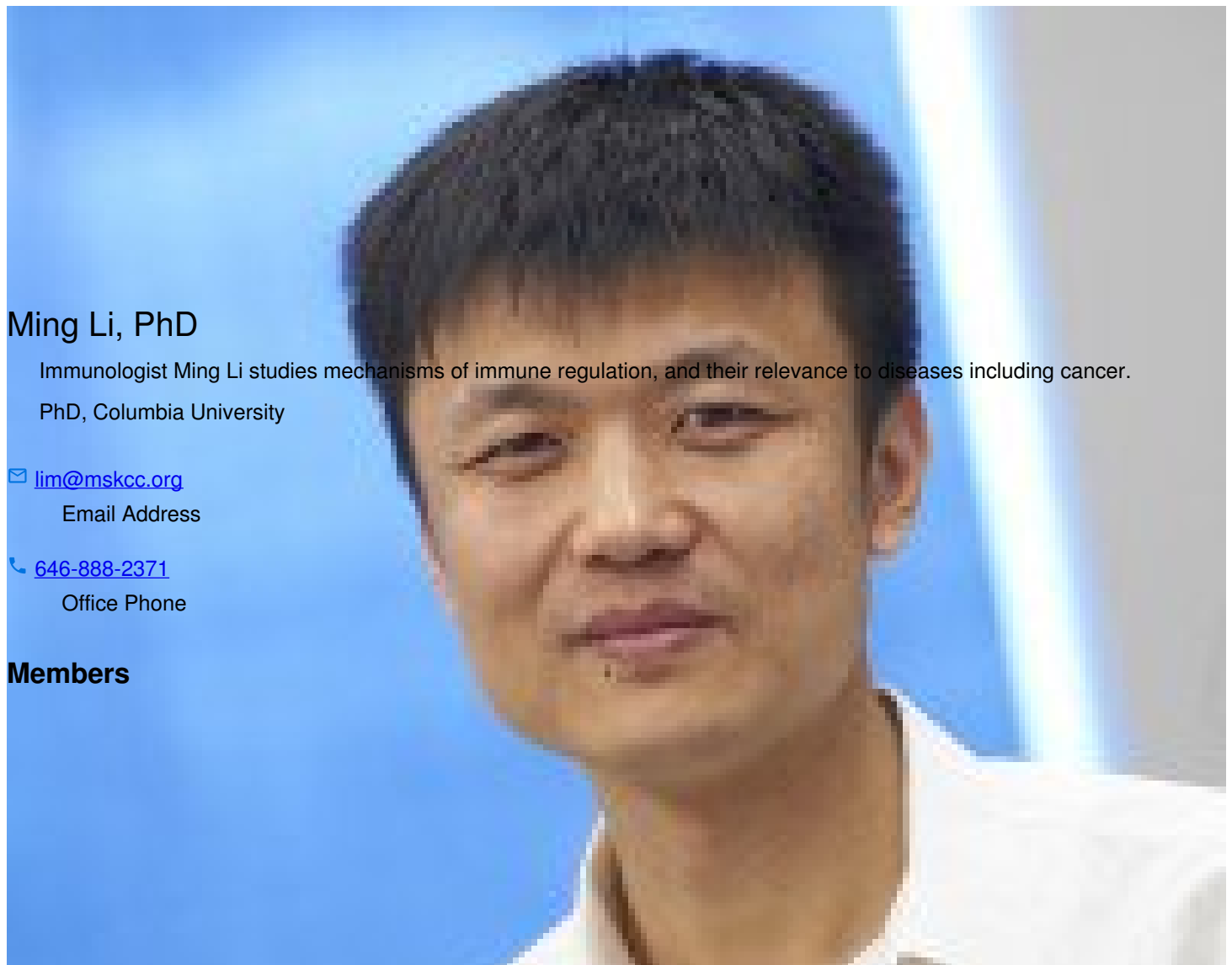
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Publications Highlights

X. Zhang, S. Li, I. Malik, M.H. Do, L. Ji, C. Chou, W. Shi, K.J. Capistrano, J. Zhang, T. Hsu, B.G. Nixon, K. Xu, X. Wang, A. Ballabio, L.S. Schmidt, W.M. Linehan, M.O. Li. Reprogramming Tumor-Associated Macrophages to Outcompete Cancer Cells Nature 2023 619: 616-623. https://pubmed.ncbi.nlm.nih.gov/37380769/

C. Chou, X. Zhang, C. Krishna, B.G. Nixon, S. Dadi, K.J. Capistrano, E.R. Kansler, M. Steele, J. Han, A. Shyu, J. Zhang, E.G. Stamatiades, M. Liu, S. Li, M.H. Do, D.S. Kang, C. Chen, I.H. Wei, E.P. Pappou, M.R. Weiser, J. Garcia-Aguilar, J.J. Smith, C.S. Leslie, M.O. Li. Programme of Self-Reactive Innate-Like T Cell-Mediated Cancer Immunity. Nature 2022, 605: 139-145. https://pubmed.ncbi.nlm.nih.gov/35444279/

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People

Ming Li, PhD

Immunologist Ming Li studies mechanisms of immune regulation, and their relevance to diseases including cancer.

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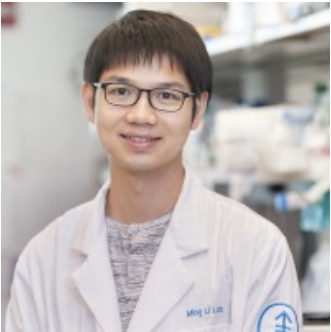📞 646-888-2371
Office Phone

Members

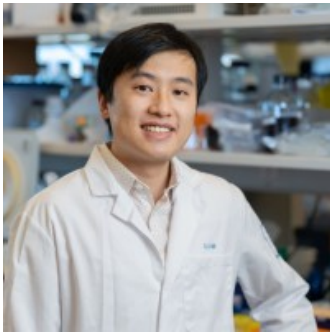**Delaney Bessel**

Research Technician

Andrew Cornish

MD Fellow

Shengyu (Sherry) Gao

Graduate Student
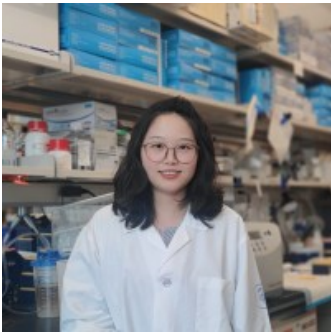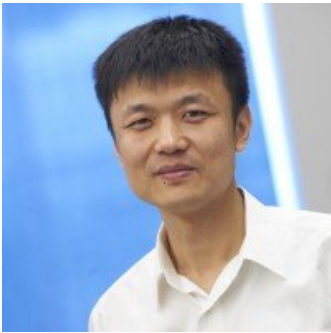
Ting-Wei (Eva) Hsu

Graduate Student

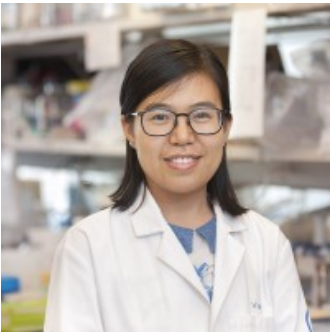**Liangliang Ji**

Research Associate

Albert Li

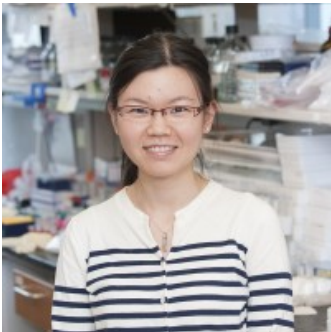Research Fellow

Jiaxin Li

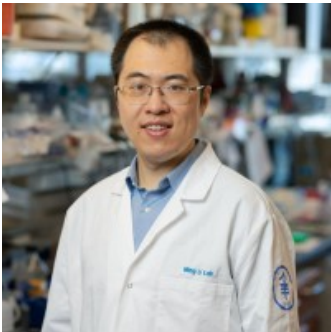Research Fellow

Ming Li

Member and Immunologist

Peng Li
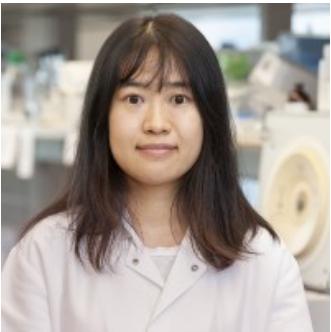
Senior Research Scientist

Alexandra Ramadhin

Administrative Assistant II

Xinxin Wang

Research Scholar

Zijian Xu

Research Associate

Jing Zhang

Research Associate

Lab Alumni
+

Lab Affiliations
+

Achievements

Clarivate Highly Cited Researcher (2022)

American Association for the Advancement of Science Fellow (2021)

Howard Hughes Medical Institute Faculty Scholar (2016)

AAI-BD Biosciences Investigator Award for Outstanding Contributions to the Field of Immunology (2016)

Scholar, Leukemia and Lymphoma Society (2014)

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Doctors and faculty members often work with pharmaceutical, device, biotechnology, and life sciences companies, and other organizations outside of MSK, to find safe and effective cancer treatments, to improve patient care, and to educate the health care community.

MSK requires doctors and faculty members to report ("disclose") the relationships and financial interests they have with external entities. As a commitment to transparency with our community, we make that information available to the public.

Ming Li discloses the following relationships and financial interests:

Amberstone Biosciences Inc.

Equity; Professional Services and Activities

Flagship Pioneering

Professional Services and Activities

META Pharmaceuticals Inc.

Equity; Professional Services and Activities

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Overview

Leadership

Administration

History

Contact Us

◼
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◼
◼
◼

- Research

[Overview](#)

[Research programs](#)

[Research labs](#)

[Core facilities & resources](#)

Education & Training

[Overview](#)

[Postdoctoral training](#)

[Gerstner Sloan Kettering Graduate School](#)

[Joint graduate programs](#)

[Programs for college & high school students](#)

News & Events

[Overview](#)

[Seminars & events](#)

Open Positions

[Overview](#)

[Faculty positions](#)

[Postdoctoral positions](#)

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