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## The Yueming Li Lab

[Education & Training](#)

[Chemical Biology Program](#)  
[News & Events](#)

**Research**  
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Yueming Li, PhD

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## Research Interests

Basic & Translational research in Cancer and Alzheimer's disease:  
From disease mechanism to therapeutic development.

## Research Areas

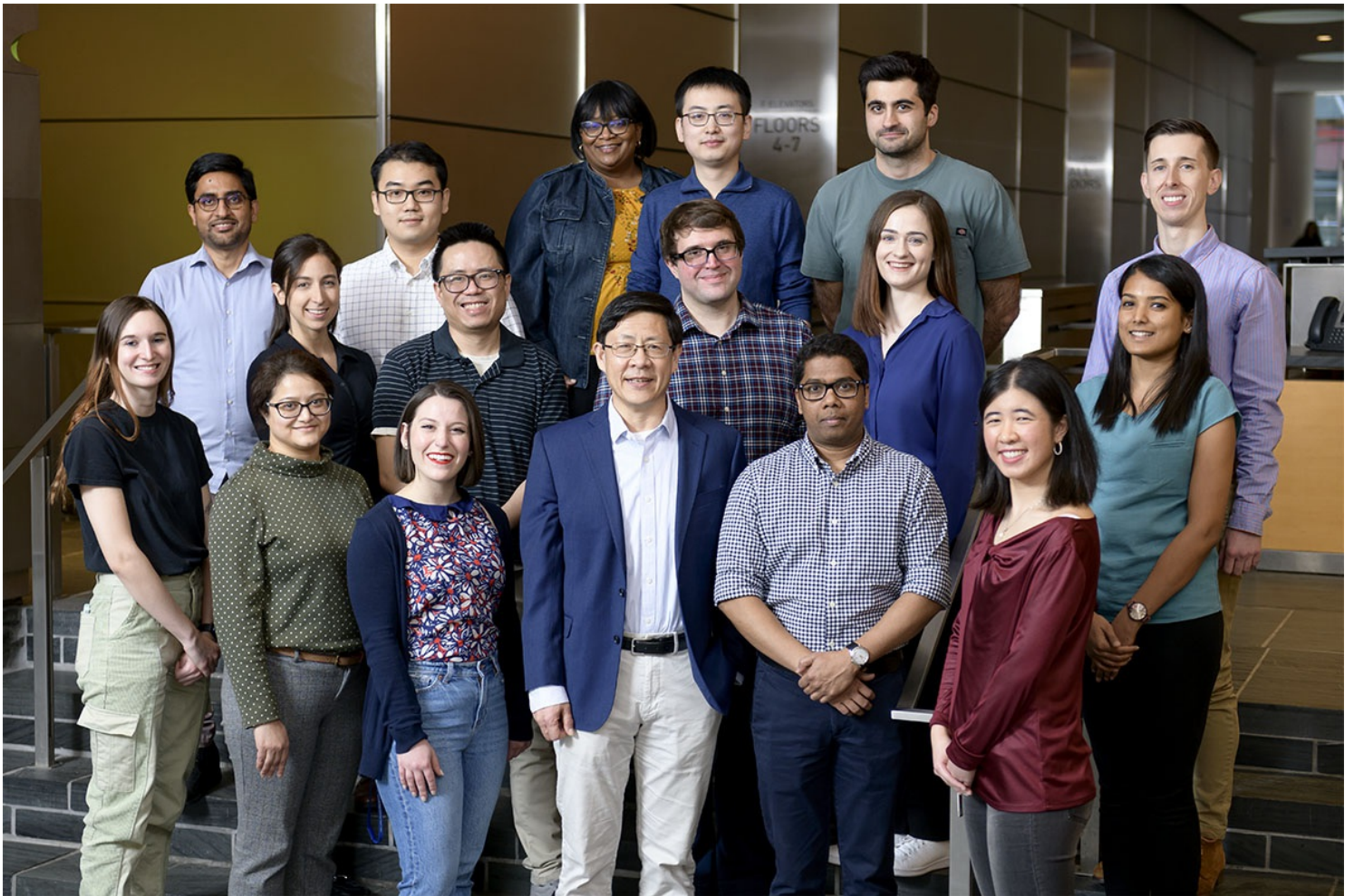
- Target Identification & Drug Discovery
- Chemical Biology & Medicinal Chemistry

- Biochemistry & Enzymology
- Biophysics & Structural Biology
- Animal models & Behavior
- Neurobiology & Neuroinflammation
- Autophagy, Protein Aggregation & Clearance

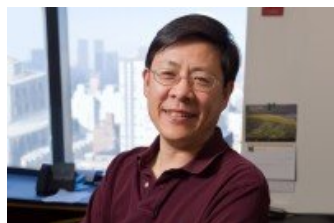
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## Research Projects

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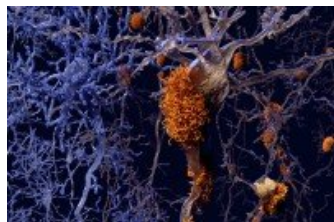
## Featured News



### [At Work: Biochemist Yueming Li](#)

Yueming Li aims to develop new agents that inhibit particular intramembrane proteases associated with cancer.

#### ARTICLE



### [MSK Study Links Inflammation to Alzheimer's Disease Development](#)

An enzyme that contributes to plaque formation in the brain also serves as a first line of defense against bacteria and viruses, suggesting a link between the two.

### [Nanotechnology May Aid Diagnosis](#)

Biochemist Yueming Li commented on new technology that is three million times more sensitive at detecting Alzheimer's disease and certain cancers....

## Publications Highlights

Nie P, Kalidindi T, Nagle VL, et al. Imaging of Cancer  $\gamma$ -Secretase Activity Using an Inhibitor-Based PET Probe. *Clin Cancer Res.* 2021;27(22):6145-6155. doi:10.1158/1078-0432.CCR-21-0940

Hur, J.-Y., Frost, G. R., Wu, X., Crump, C., Pan, S. J., Wong, E., ... Li, Y.-M. (2020). The innate immunity protein IFITM3 modulates  $\gamma$ -secretase in Alzheimer's disease. *Nature*. doi:10.1038/s41586-020-2681-2

Mekala, S., Nelson, G., & Li, Y.-M. Recent developments of small molecule  $\gamma$ -secretase modulators for Alzheimer's disease. *RSC Medicinal Chemistry*, 11(9), 1003-1022. doi:10.1039/D0MD00196A (2020)

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## People

## Yueming Li, PhD

Dr. Yueming Li studies disease mechanism of Cancer and Alzheimer's, with the goal of developing novel therapeutics for clinical use.

PhD, University of California Berkeley

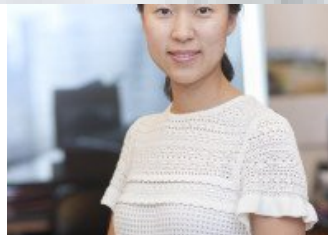
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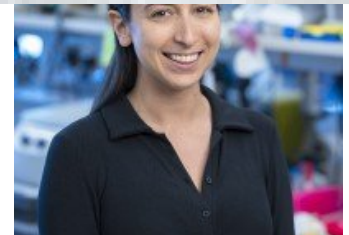
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## Members



Joanna Zhai

Postdoctoral Fellow

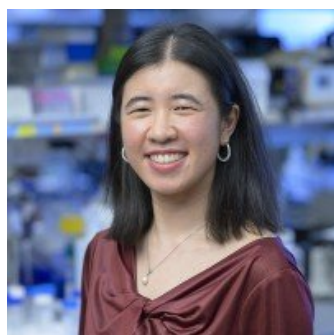


Lauren A.

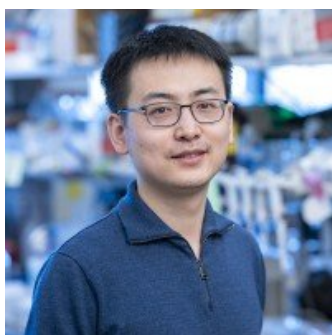
Jonas

Graduate Student

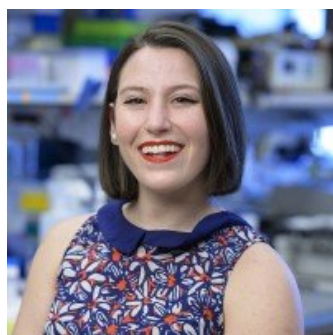




Joanna  
Luo  
Graduate Student



Pengju  
Nie  
Graduate Student



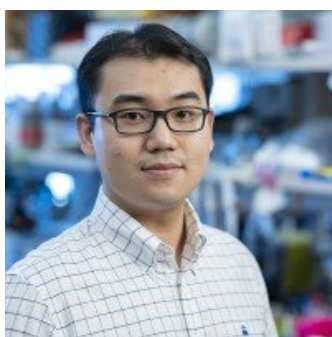
Jessica Falci  
Graduate Student



Tanya  
Jain  
Graduate Student



Zoe  
Kehs  
Graduate student



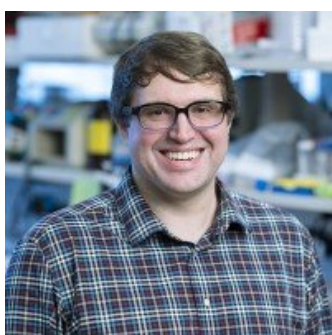
Chenge Liu



Manish Malviya  
Senior Research Scientist



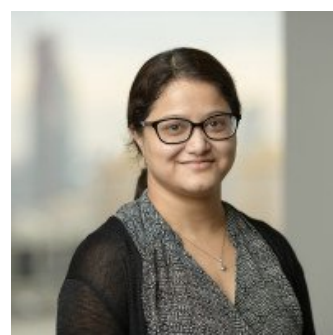
Shekar Mekala  
Senior Research Scientist



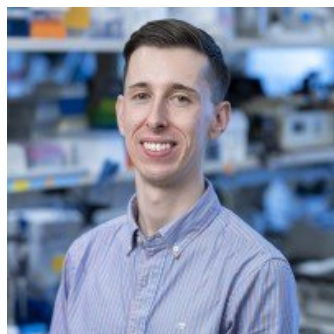
Grady Nelson  
Postdoctoral Fellow



Cyrus Nikain  
Graduate student



Antara Sinha  
Postdoctoral Fellow



Daniel W. Worroll  
III

Graduate Student

Lab Alumni  
+

Lab Affiliations  
+

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To learn more about compensation and benefits for postdoctoral researchers at MSK, please visit [Resources for Postdocs](#)

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## Get in Touch

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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.

Yueming Li discloses the following relationships and financial interests:

BrightFocus Foundation

Professional Services and Activities

Cure Alzheimer's Fund  
Professional Services and Activities

Jiangsu Continental Medical Development Co  
Intellectual Property Rights

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## ▾ News & Events

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[Seminars & events](#)

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