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# The Michael Glickman Lab

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Michael S. Glickman, MD

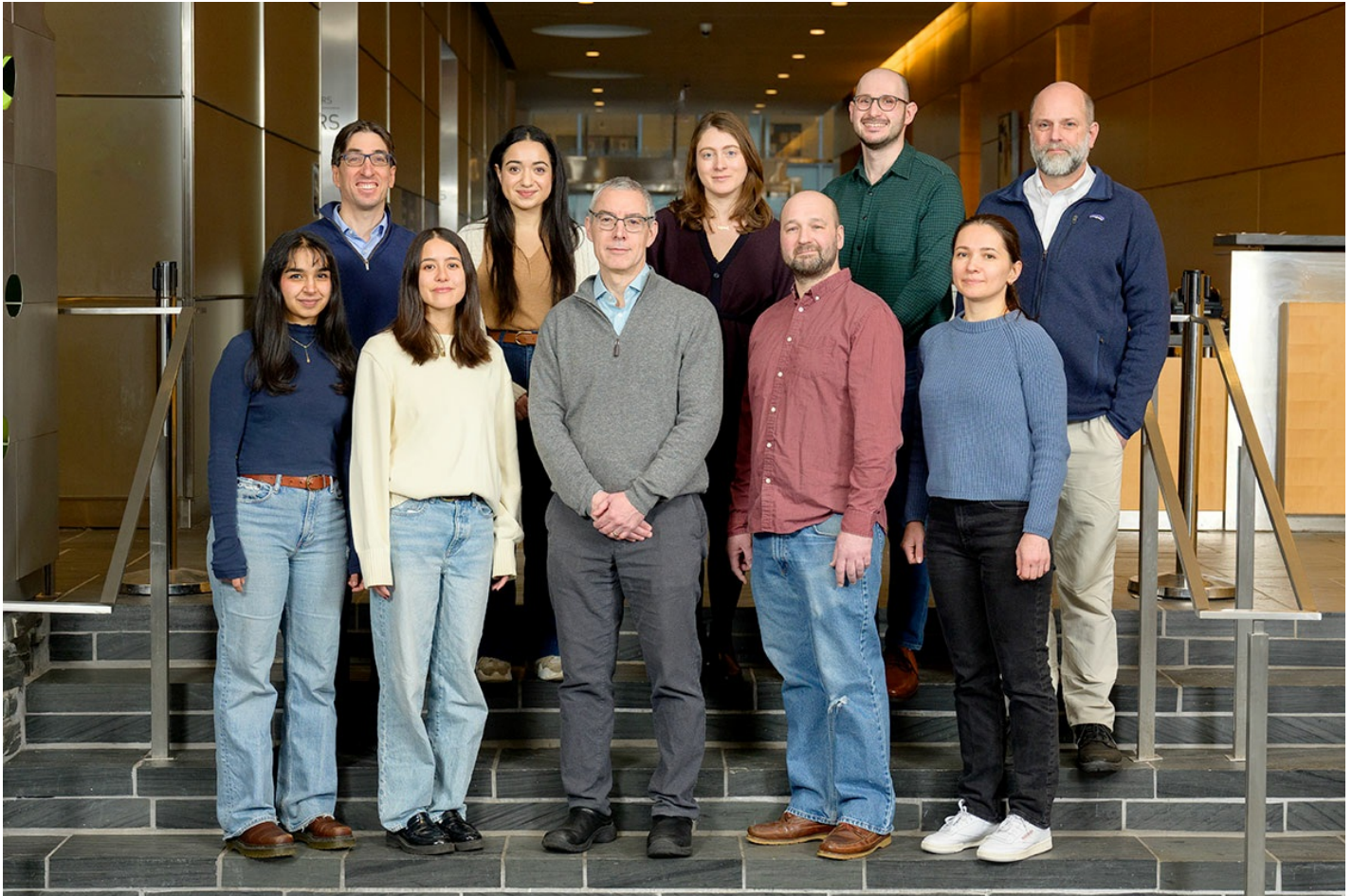
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We are broadly interested in the biology of mycobacteria, which include the major human pathogen *M. tuberculosis*, the nonpathogenic model organism *M. smegmatis*, and the cancer biotherapeutic agent BCG.

[View Lab Overview](https://www.mskcc.org/research/ski/labs/michael-glickman/overview) (<https://www.mskcc.org/research/ski/labs/michael-glickman/overview>)

## Research Projects

- [Molecular Pathogenesis of M. tuberculosis infection](#)
- [DNA Repair and Mutagenesis in Mycobacteria](#)
- [Mechanisms of BCG induced anti-tumor immunity](#)



## Featured News



### [At Work: Infectious Diseases Specialist Michael Glickman](#)

Physician-scientist Michael Glickman cares for cancer patients who have infections. In his laboratory, he aims to understand how infections develop.



## [MSK Scientists Solve One of TB's Deadliest Tricks](#)

Scientists at Memorial Sloan Kettering have pieced together the biochemical mechanism by which the tuberculosis bacterium sneaks past our immune defenses.



## [The ABCs of BCG: Oldest Approved Immunotherapy Gets New Explanation](#)

BCG has been used to treat bladder cancer for more than 30 years. Scientists are still learning how it works.

## **Publications Highlights**

[Distinctive roles of translesion polymerases DinB1 and DnaE2 in diversification of the mycobacterial genome through substitution and frameshift mutagenesis](#) , P Dupuy, S Ghosh, O Adefisayo, J Buglino, S Shuman, MS Glickman, Nature Communications 13 (1), 4493

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[Roles for mycobacterial DinB2 in frameshift and substitution mutagenesis](#) , P Dupuy, S Ghosh, A Fay, O Adefisayo, R Gupta, S Shuman, ...Elife 12, e83094

[View All Publications](#)

# People

## Michael S. Glickman, MD

- Physician-scientist Michael Glickman investigates the physiology and pathogenic mechanisms of mycobacteria, including the use of mycobacteria as bacterial cancer therapies.
- MD, Columbia University College of Physicians and Surgeons

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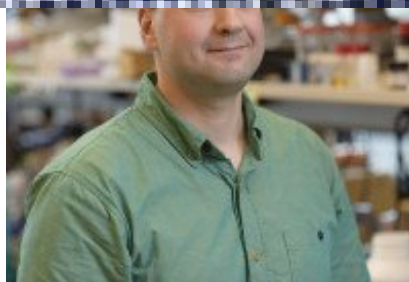
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## Members



Michael Glickman

Member



John Buglino

Senior Research Scientist

postdoctoral opportunities, please visit our [Career Center](#)

Lab

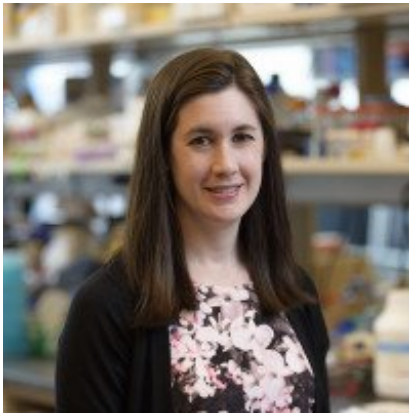
Alumni

Lab Affiliations

## Open Positions

To learn more about available





Allison Fay  
Senior Research Scientist



Emilee Barnard  
Graduate Student



Anna Benjamin  
Lab Manager



Gil Redelman-Sidi  
Assistant Attending Physician



Jamie Bean  
Assistant Lab Member, EIO Cell  
Bank director



M. Maria Elgrail  
Postdoctoral Research  
Associate

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

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Members of the MSK Community 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. These activities outside of MSK further our mission, provide productive collaborations, and promote the practical application of scientific discoveries.

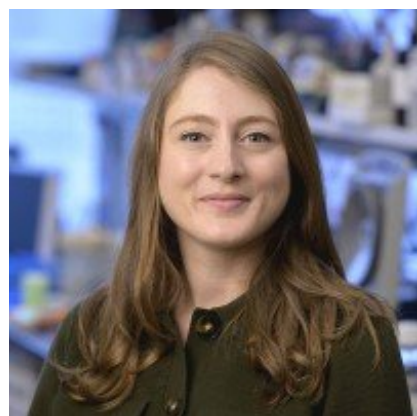
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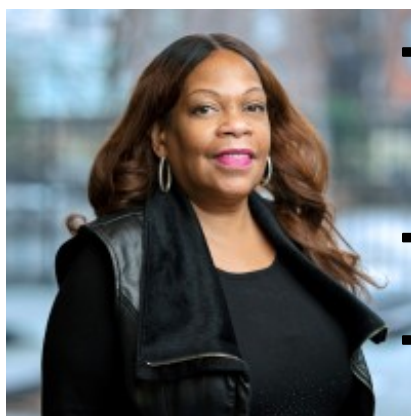
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Graduate Student



Adam Krebs  
Graduate Student



Yaprak Ozakman  
Research Scholar



Veronica Shields  
Administrative Assistant

relationships present conflicts of interest. MSK reviews all disclosed interests and relationships to assess whether a conflict of interest exists and whether formal COI management is needed.

Michael S. Glickman discloses the following relationships and financial interests:

- Burroughs Wellcome Fund  
Professional Services and Activities
- EpiStemx, Inc.  
Equity; Professional Services and Activities  
(Uncompensated)
- IRB Barcelona  
Professional Services and Activities
- Vedanta  
Equity; Professional Services and Activities

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