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Michael S. Glickman, MD

We are broadly interested in the biology of mycobacteria, including 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



[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

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

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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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Disclosures

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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Shireen Khayat
Graduate Student



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Research Scholar

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



Veronica Shields
Administrative Assistant

- EpiStemmyx, Inc.
Equity; Professional Services and Activities (Uncompensated)
- IRB Barcelona
Professional Services and Activities
- Vedanta
Equity; Professional Services and Activities

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