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Morgan Huse, PhD
Member

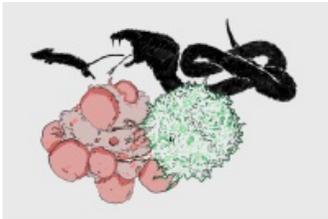
In the Huse lab, we combine imaging technology with synthetic chemistry and materials science to understand how immune cells communicate.

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Featured News

FEATURE



[How Do Immune Cells Kill Their Prey?](#)

When an immune cell faces a foe, it has more than chemical weapons at its disposal.



[At Work: Immunologist Morgan Huse](#)

Immunologist Morgan Huse wants to combine synthetic chemistry and protein engineering with imaging to learn about immune cell signaling.

EVENT



[2017 MSK Convocation and Commencement Ceremony Celebrates Distinguished Scientists and Young Scholars](#)

Degrees were presented and awards were given at the 38th annual ceremony held on May 18.

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Publications Highlights

[Tello-Lafoz, M., Srpan, K., Sanchez, E. E., Hu, J., Remsik, J., Romin, Y., Calò, A., Hoen, D., Bhanot, U., Morris, L., Boire, A., Hsu, K. C., Massagué, J., Huse, M.*, and Er, E. E.* \(2021\) Cytotoxic Lymphocytes Target Characteristic Biophysical Vulnerabilities in Cancer. *Immunity* 54, 1037-1054. * corresponding authors](#)

[Tamzalit, F., Wang, M. S., Jin, W., Tello-Lafoz, M., Boyko, V., Heddleston, J. M., Black, C. T., Kam, L. C., and Huse, M. \(2019\). Interfacial Actin Protrusions Mechanically Enhance Killing by Cytotoxic T Cells. *Sci. Immunol.*, eaav5445.](#)

[Basu, R., Whitlock, B. M., Husson, J., Le Floc'h, A., Jin, W., Oyler-Yaniv, A., Dotiwala, F., Giannone, G., Hivroz, C., Biais, N., Lieberman, J., Kam, L. C., and Huse, M. \(2016\). Cytotoxic T Cells Use Mechanical Force to Potentiate Target Cell Killing. *Cell* 165, 100-110.](#)

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People

Morgan Huse, PhD

Member

Immunologist Morgan Huse studies the structure and function of immune cell-cell interactions.

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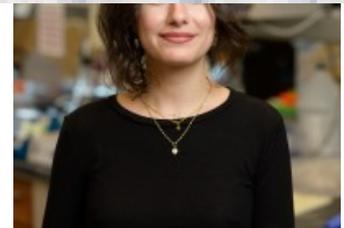
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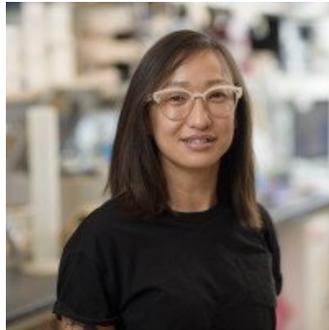
Farah Mustapha
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Alexandra Ramadhin
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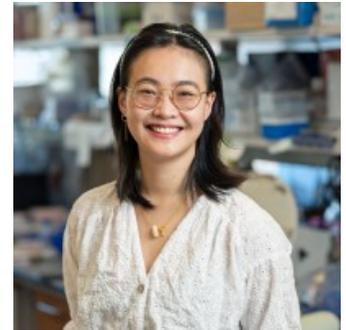
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Diana Tran
Graduate Student



Benjamin Winer
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Alexandrina Yakimov
Research Technician

Lab Alumni
+

Lab Affiliations
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Achievements

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Disclosures

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.

Morgan Huse discloses the following relationships and financial interests:

No disclosures meeting criteria for time period

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