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Memorial Sloan Kettering  
Cancer Center

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MOLECULAR PHARMACOLOGY PROGRAM

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## The Jason Lewis Lab

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**Research**

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Jason S. Lewis, PhD

Deputy Director, Sloan Kettering Institute – Office of Science Education and Training (OSET); Emily Tow Chair in Oncology

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The Lewis lab research interests are focused on the development of radiopharmaceuticals for targeted diagnosis and treatment of cancer. By combining small- and biomolecule-based targeting agents with positron-emitting or therapeutic radioisotopes, we can interrogate molecular profiles of cancer using noninvasive nuclear imaging or treat tumors specifically with endoradiotherapy. Our research program is a molecular-imaging-based program focused on the targeting of nonstandard nuclides, with an emphasis on developing these novel radiopharmaceuticals for clinical

translation. A few examples of our work are given below.

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



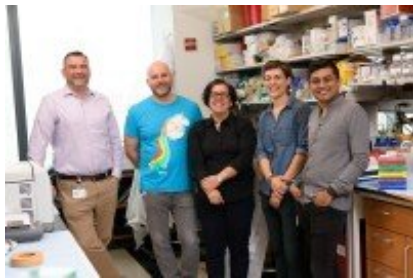
## Featured News



### [At Work: Radiochemistry Service Chief Jason Lewis](#)

Radiochemist Jason Lewis works to develop new radiopharmaceuticals used in diagnosing and treating cancer.

## FEATURE



### [Out of the Closet, into the Lab: Five LGBTQ Scientists Share Their Stories](#)

What's it like being LGBTQ in the world of science? We asked some MSK scientists to find out.

## IN THE CLINIC



### [How Our New Particle Accelerator Will Make Cancer Imaging and Treatment More Precise](#)

The launch of a 20-ton instrument and a facility for producing radioactive imaging molecules will allow our doctors and scientists to monitor cancers in unparalleled detail.

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## Publications Highlights

[Nagle VL, Henry KE, Hertz CAJ, Graham MS, Campos C, Parada LF, Pandit-Taskar N, Schietinger A, Mellinghoff IK, Lewis JS. Imaging Tumor-Infiltrating Lymphocytes in Glioblastoma with \[<sup>64</sup>Cu\]Cu-NOTA-anti-CD8-PET. Clinical Cancer Research, 27, 1958-1966, 2021.](#)

[Sharma SK, Suzuki M, Xu H, Korsen JA, Samuels Z, Guo H, Nemieboka B, Piersigilli A, Edwards KJ, Cheung NKV, Lewis JS. Influence of Fc modifications on biodistribution of humanized antibodies targeting L1CAM. Journal of Nuclear Medicine, 63, 629-636, 2022.](#)

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[Tully KM, Tendler S, Carter LM, Sharma SK, Samuels ZV, Mandleywala K, Korsen JA, Delos Reyes AM, Piersigilli A, Travis WD, Sen T, Pillarsetty N, Poirier JT, Rudin CM, Lewis JS. Radioimmunotherapy Targeting Delta-like Ligand 3 in Small Cell Lung Cancer Exhibits Antitumor Efficacy with Low Toxicity. Clinical Cancer Research, 28, 1391-1401, 2022.](#)

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[Korsen JA, Kalidindi TM, Khitrov S, Samuels ZV, Chakraborty G, Gutierrez JA, Poirier JT, Rudin CM, Chen Y, Morris MJ, Pillarsetty NVK, Lewis JS. Molecular imaging of Neuroendocrine Prostate Cancer by targeting Delta-like Ligand-3. Journal of Nuclear Medicine, 63, 1401-1407, 2022.](#)

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[Pereira PMR, Mandleywala K, Monette S, Lumish M, Tully KM, Panikar SS, Cornejo M, Mauguen A, Ragupathi A, Keltee NC, Mattar M, Janjigian YY, Lewis JS. Caveolin-1 temporal modulation enhances antibody drug efficacy in heterogeneous gastric cancer. Nature Communications, 13, 2526, 2022.](#)

[View All Publications](#)

## People



# Jason S. Lewis, PhD

*Deputy Director, Sloan Kettering Institute – Office of Science Education and Training (OSET); Emily Tow Chair in Oncology*

- Radiochemist Jason Lewis develops molecular imaging agents for the imaging and therapy of cancer.
- PhD, The University of Kent (UK)

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Physician profile

## Members



Anne Cochrane  
Clinical Fellow



Suchitra Dara  
Graduate Student

Lab  
Alumni

Lab Affiliations

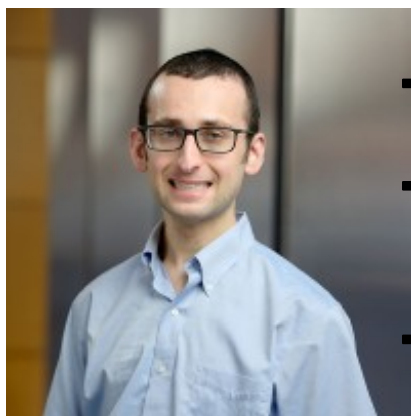
## Achievements

- Fellow, National Academy of Inventors (2025)  
2025 Dr. Saul Hertz Lifetime





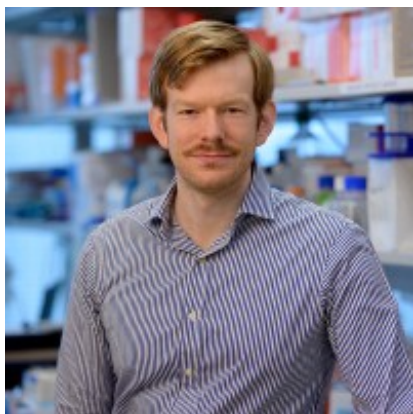
Michele De Franco  
Research Scholar



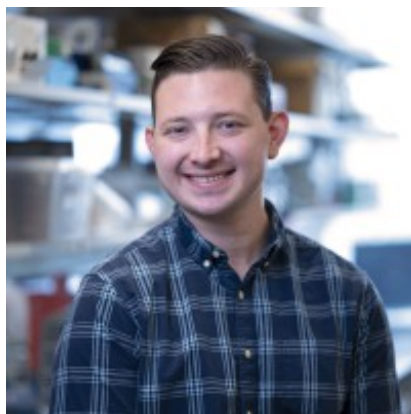
Avraham Diamant  
Research Assistant

Achievement Award, SNMMI

- 2023 ACS - Glenn T. Seaborg Award for Nuclear Chemistry
- Fellow, American Association for the Advancement of Science (FAAAS) (2022)
- 2021 Gold Medal for Lifetime Achievement, World Molecular Imaging Society



Ruediger Exner  
Research Fellow



Kevin Fisher  
Senior Administrative Assistant

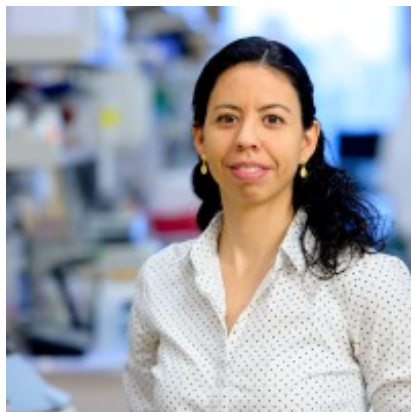
## Open Positions

To learn more about available postdoctoral opportunities, please visit our [Career Center](#)

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



Olivia Friedl  
Graduate Student



Moralba Dominguez Garcia  
Research Scholar

## Get in Touch

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Lab Head Email

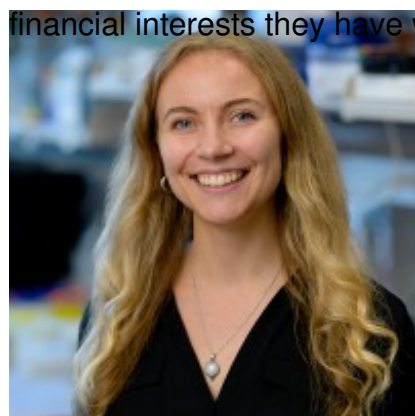
☎ [646-888-3038](tel:646-888-3038)

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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.

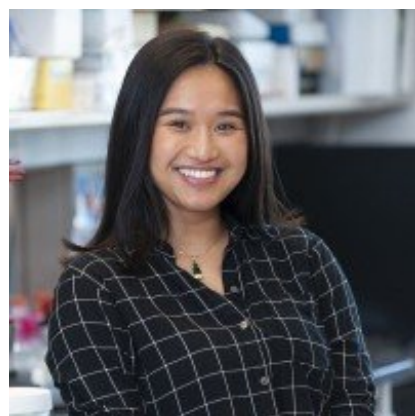
MSK requires doctors, faculty members, and leaders to report (“disclose”) the relationships and



Christine Habjan  
Graduate Student



Shaniqua Hayes  
Research Fellow



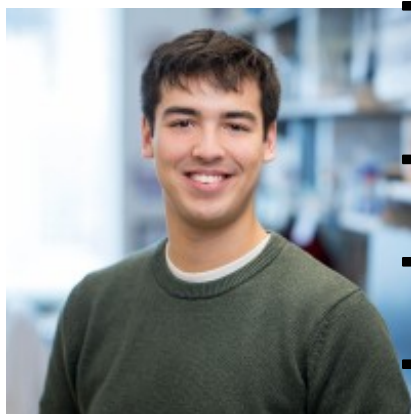
Tran Hoang  
Graduate Student



Mohamed Hussien  
Research Technician



Paul Klauser  
Research Fellow



Jung Kuczura  
Research Technician

financial interests they have with external entities. As a commitment to transparency with our community, we make that information available to the public. Not all disclosed interests and 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.

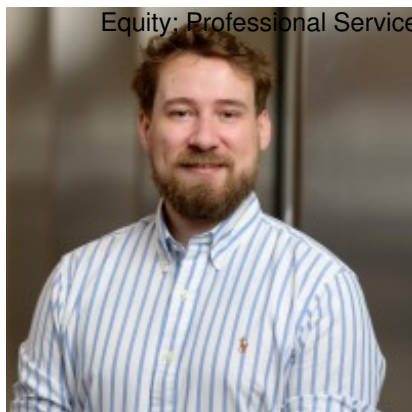
Jason S. Lewis discloses the following relationships and financial interests:

- Alpha-9 Theranostics Inc.  
Equity; Professional Services and Activities
- BicycleTX Limited  
Professional Services and Activities
- CheMatech  
Intellectual Property Rights
- Clarity Pharmaceuticals  
Equity; Intellectual Property Rights; Professional Services and Activities
- CSRA Inc.  
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- Dialectica  
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- Diaprost AB  
Intellectual Property Rights

- Elucida Oncology  
Intellectual Property Rights
- Evergreen Theragnostics  
Equity; Professional Services and Activities (Uncompensated)
- Goldman Sachs  
Professional Services and Activities
- HoneyBear Biosciences



Equity; Professional Services and Activities



Tom Lemaitre  
Research Scholar

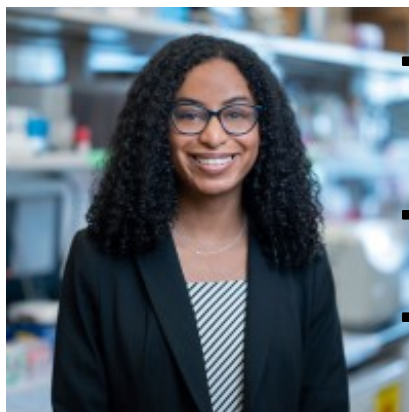


Olufolake Majekodunmi  
Graduate Student

- Inhibrx, Inc.  
Professional Services and Activities
- Invicro, LLC  
Professional Services and Activities
- ITM Isotopen Technologien München AG  
Professional Services and Activities

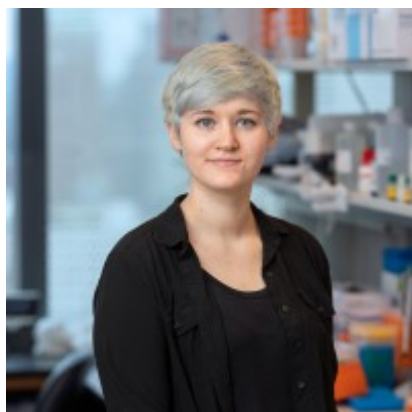


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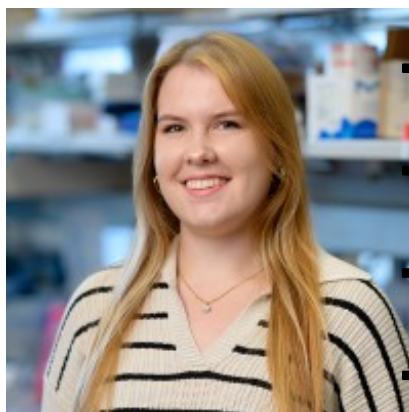


Candace Parker  
Research Scholar

- Journal of Nuclear Medicine  
Professional Services and Activities
- Luminance Biosciences, Inc.  
Professional Services and Activities  
(Uncompensated)
- Molecular Partners  
Professional Services and Activities
- Oncurie, Inc.  
Equity
- pHLIP, Inc.



Rachel Payne



Cindy Rodriguez  
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- Sanofi US Services Inc.  
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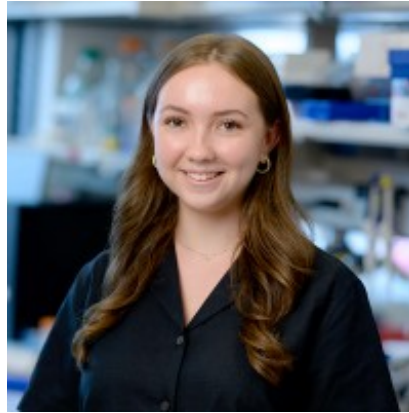
Ana Rosu  
Graduate Student



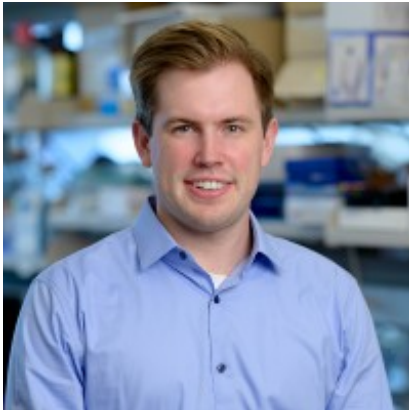
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Assistant Attending Physician



Darren Veach  
Associate Attending Chemist



Juliana Welk  
Graduate Student



Aidan Wirrick  
Graduate Student

Wren Laboratories, LLC  
Professional Services and Activities

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This page and data include information for a specific MSK annual disclosure period (January 1, 2024 through disclosure submission in spring 2025). This data reflects interests that may or may not still

exist. This data is updated annually.

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