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The Jason Lewis Lab

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[Leadership](#)

[History](#)

[Equality, diversity & inclusion](#)

[Annual report](#)

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Jason S. Lewis, PhD
Emily Tow Chair in Oncology

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](#) →



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 \[⁶⁴Cu\]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.](#)

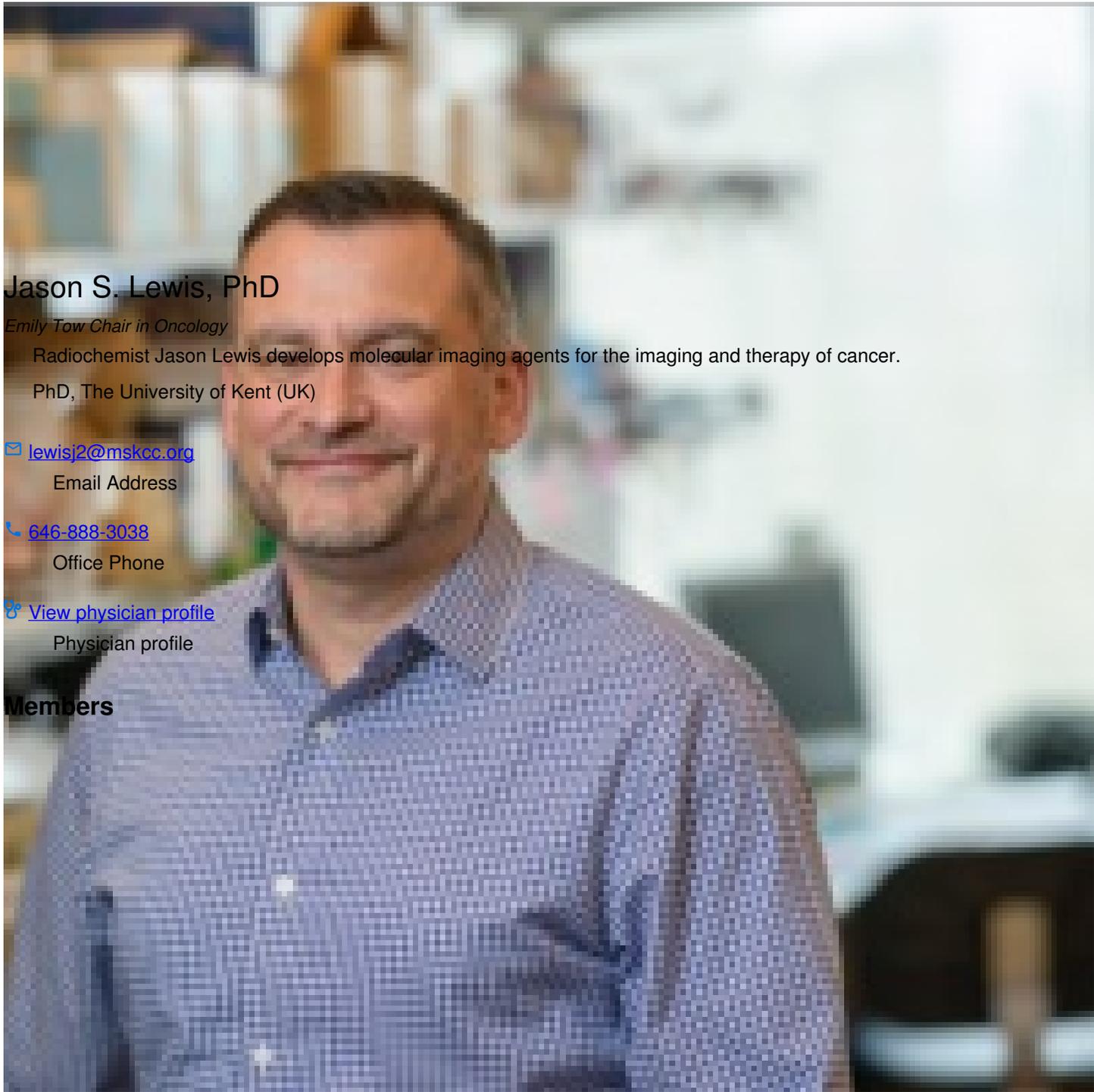
[Tully KM, Tendler S, Carter LM, Sharma SK, Samuels ZV, Mandleywala K, Korsen JA, Delos Reyes AM, Piersigilli A, Travis WD, Sen T, Pillarsetty N, Poirier JT, Rudin CM, Lewis JS. Radioimmunotherapy Targeting Delta-like Ligand 3 in Small Cell Lung Cancer Exhibits Antitumor Efficacy with Low Toxicity. Clinical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

[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.](#)

[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.](#)

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People



Jason S. Lewis, PhD

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

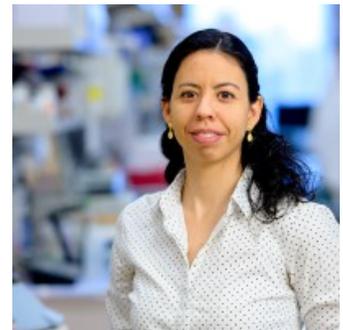
Members

Research Fellow

Graduate Research Assistant



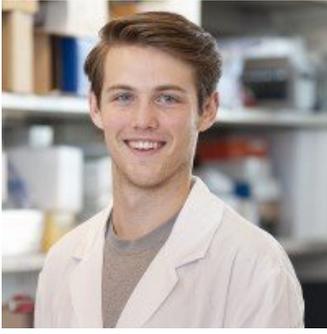
Kevin Fisher
Senior Administrative



Moralba Dominguez Garcia

Assistant

Research Scholar



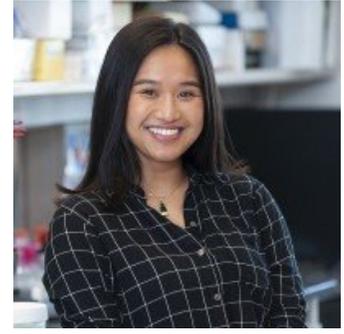
Justin Hachey
Graduate Student



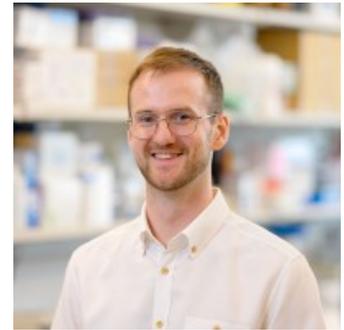
Shaniqua
Hayes
Research Fellow



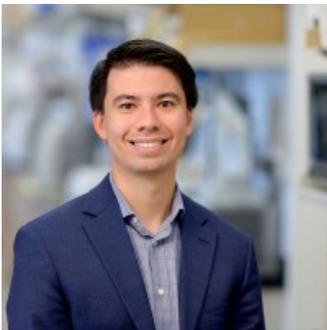
Natalia Herrero
Alvarez
Research Scholar



Tran Hoang
Graduate Student



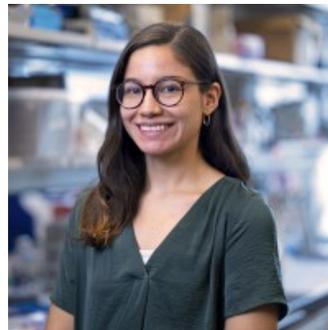
Aidan Ingham
Research Scholar



Paul Klauser
Research Fellow



Simone Krebs
Assistant Attending



Angelique Loor
Lab Technician



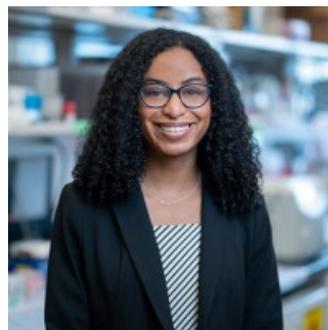
Kyearea Mack
Graduate Student



Olufolake
Majekodunmi



Alexa
Michel



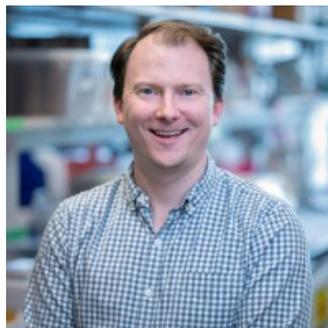
Candace Parker
Research Scholar



Rachel
Payne

Graduate Student

Research Technician



Edwin C. Pratt
Research Scholar



Salomon Tendler
Research Fellow



Darren
Veach
Associate Attending
Chemist



Tara
Viray
Research Technician

Lab Alumni
+

Lab Affiliations
+

Achievements

- 2023 ACS - Glenn T. Seaborg Award for Nuclear Chemistry
- 2021 Gold Medal for Lifetime Achievement, World Molecular Imaging Society
- 2020 American Chemical Society Bioconjugate Chemistry Lecture Award
- Paul C. Aebersold Award, ERF-SNMMI (2019)
- NCI R35 Outstanding Investigator Award (2019-2026)

Read more
+

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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.

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

Alpha-9 Theranostics Inc.

Equity; Professional Services and Activities

CSRA Inc.

Professional Services and Activities

CheMatech

Intellectual Property Rights

Clarity Pharmaceuticals

Equity; Professional Services and Activities

Daiichi Sankyo

Intellectual Property Rights

Diaprost AB

Intellectual Property Rights

Earli Inc.

Professional Services and Activities

Elsevier

Professional Services and Activities

Elucida Oncology

Intellectual Property Rights

Evergreen Theragnostics

Equity; Professional Services and Activities (Uncompensated)

Inhibrx, Inc.

Professional Services and Activities

Journal of Nuclear Medicine

Professional Services and Activities

Nextech Venture, LTD

Professional Services and Activities

Samus Therapeutics LLC

Intellectual Property Rights

Suba Therapeutics, Inc.

Equity; Professional Services and Activities

Summit Biomedical Imaging, LLC

Equity

TPG Capital

Professional Services and Activities

Telix Pharmaceuticals Limited

Equity; Professional Services and Activities (Uncompensated)

Theragnostics, Ltd.

Intellectual Property Rights

Trace-Ability, Inc.

Equity

World Molecular Imaging Society

Professional Services and Activities

pHLIP, Inc.

Equity; Intellectual Property Rights; Professional Services and Activities

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This page and data include information for a specific MSK annual disclosure period (January 1, 2022 through disclosure submission in spring 2023). This data reflects interests that may or may not still exist. This data is updated annually.

Learn more about MSK's COI policies [here](#). For questions regarding MSK's COI-related policies and procedures, email MSK's Compliance Office at ecoi@mskcc.org.

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