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The Alan Hanash Lab

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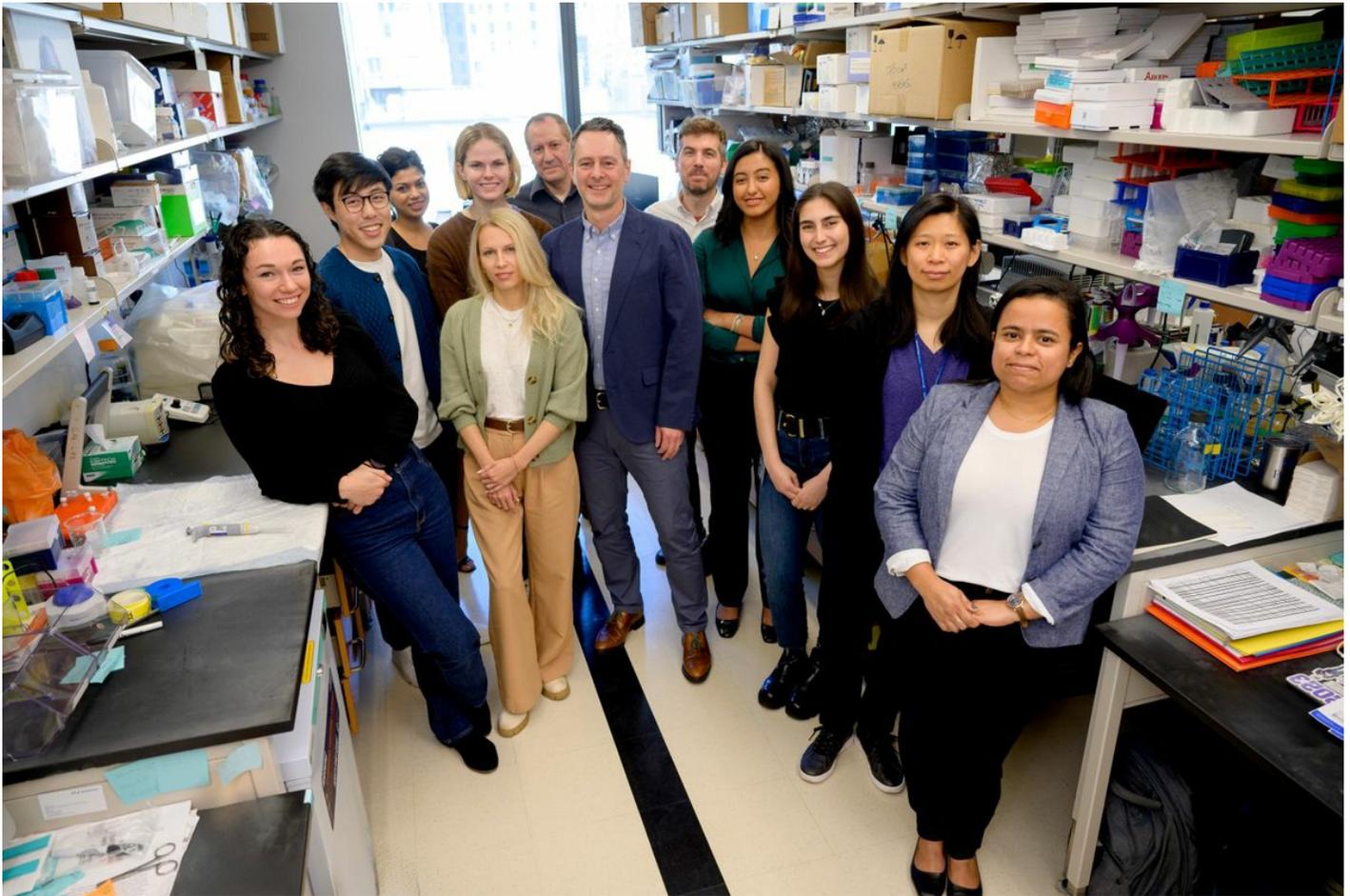
FOR THE MEDIA



Alan M. Hanash, MD, PhD
Associate Attending Physician; Associate Member

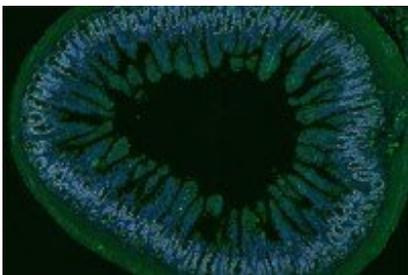
Alan Hanash is an Associate Member of Memorial Sloan Kettering and an Attending Physician on the Adult Bone Marrow Transplant Service in the Department of Medicine. Dr. Hanash's research focuses on the immunology of hematopoietic transplantation and immune-mediated mechanisms of tissue damage and regeneration.

[View Lab Overview \(https://www.mskcc.org/research-areas/labs/alan-hanash/overview\)](https://www.mskcc.org/research-areas/labs/alan-hanash/overview)



Featured News

IN THE LAB



[Immune System Molecule Could Become New Treatment for Graft-Versus-Host Disease](#)

Scientists are using a molecule from the immune system to combat this serious complication in a new way.

Publications Highlights

Ponce DM, Alousi AM, Nakamura R, Slingerland J, Calafiore M, Sandhu KS, Barker JN, Devlin S, Shia J, Giralt S, Perales MA, Moore G, Fatmi S, Soto C, Gomes A, Giardina P, Marcello L, Yan XQ, Tang T, Dreyer K, Chen J, Daley WL, Peled JU, van den Brink MRM, Hanash AM. A phase 2 study of Interleukin-22 and systemic corticosteroids as initial treatment for acute GVHD of the lower GI tract. *Blood*. 2023 Mar 23; 141(12):1389-1401. PMID: 36399701. <https://pubmed.ncbi.nlm.nih.gov/36399701/>

Calafiore M, Fu YY, Vinci P, Arnhold V, Chang WY, Jansen SA, Egorova A, Takashima S, Kuttiyara J, Ito T, Serody J, Nakae S, Turnquist H, van Es J, Clevers H, Lindemans CA, Blazar BR, Hanash AM. A tissue-intrinsic IL-33/EGF circuit promotes epithelial regeneration after intestinal injury. *Nature Communications*. 2023 September 5;14(1):5411. PubMed PMID: 37669929; PubMed Central PMCID: PMC10480426; DOI: 10.1038/s41467-023-40993-5. <https://pubmed.ncbi.nlm.nih.gov/37669929/>

Arnhold V, Chang WY, Jansen SA, Thangavelu G, Calafiore M, Vinci P, Fu YY, Ito T, Takashima S, Egorova A, Kuttiyara J, Perlstein A, van Hoesel M, Liu C, Blazar BR, Lindemans CA, Hanash AM. Corticosteroids impair epithelial regeneration in immune-mediated intestinal damage. *JCI*. 2024 Apr 1; 134(7): e155880. PubMed PMID: 38349762; PubMed Central PMCID: PMC10977993; DOI: 10.1172/JCI155880. <https://pubmed.ncbi.nlm.nih.gov/38349762/>

Takashima S, Sharma R, Chang W, Calafiore M, Fu YY, Jansen SA, Ito T, Egorova A, Kuttiyara J, Arnhold V, Sharrock J, Santosa E, Chaudhary O, Geiger H, Iwasaki H, Liu C, Sun J, Robine N, Mazutis L, Lindemans CA, Hanash AM. STAT1 regulates immune-mediated intestinal stem cell proliferation and epithelial regeneration. *Nature Communications*. 2025 Jan 2;16(1):138. PubMed PMID: 39746933; PMCID: PubMed Central PMC11697299. DOI: 10.1038/s41467-024-55227-5. <https://pubmed.ncbi.nlm.nih.gov/39746933/>

DeWolf S, Kuttiyara J, Vinci P, Fei T, Slingerland J, Katsamakidis Z, Fein J, Gipson B, Lorenc R, Zinsmeyer V, Marcello L, Giardina P, Donohoe W, Shah G, Lin R, Papadopoulos E, Gyurkocza B, Shaffer B, Tallman M, Politikos I, Giralt S, Barker J, Perales MA, Tamari R, Abdel-Wahab O, Cho C, Hsu K, Peled JU, van den Brink MRM, Hanash AM. Bone marrow and blood demonstrate distinct immune reconstitution patterns and correlations with relapse post-transplant. *Blood Advances*. In press.

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People

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Associate Attending Physician; Associate Member

- Physician-scientist Alan Hanash studies transplant immunology and immune-mediated mechanisms of tissue damage and regeneration.
- MD, University of Miami

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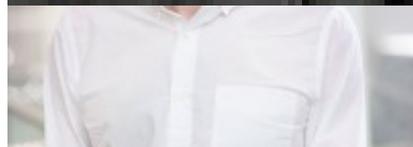
Physician profile

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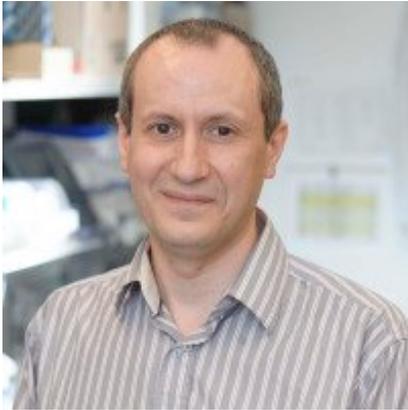
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Alumni

Lab Affiliations

Achievements



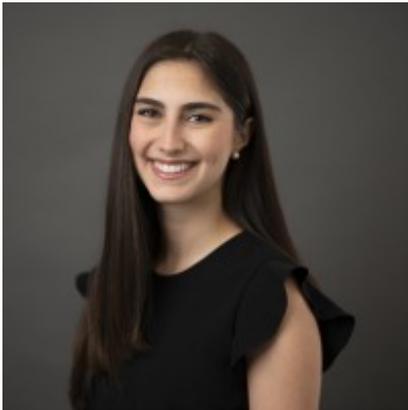
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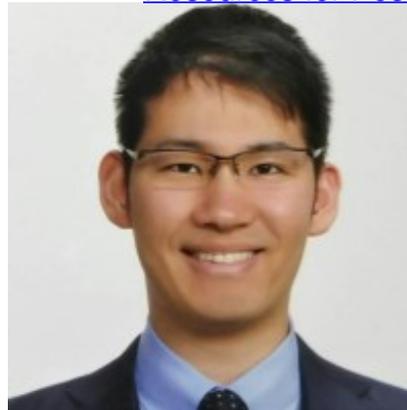
Ya-Yuan Fu
Senior Research Scientist
Rachel Lorenc
NE Medical Student

- ASCI Young Physician-Scientist Award (2014)
- Amy Strelzer Manasevit Research Program Scholar (2014)
- ASH Outstanding Abstract Achievement Award for Anna Mertelsmann (2013)
- ASH Scholar Award for Junior Faculty (2012)
- ASBMT New Investigator Award (2011)

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Toshihisa Satta
Research Fellow

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Disclosures



Shuichiro Takashima

Research Fellow

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 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.

Alan M. Hanash discloses the following relationships and financial interests:

- American Society for Transplantation and Cellular Therapy (ASTCT)
Professional Services and Activities
- Evive Biotech
Professional Services and Activities (Uncompensated)
- Generon (Shanghai) Corporation Ltd.
Professional Services and Activities (Uncompensated)

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