

Jaehyuk Choi, MD PhD

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Positions and Employment

- 2015- Present **Department of Dermatology and Department of Biochemistry and Molecular Genetics, Northwestern University, Feinberg School of Medicine, Chicago, IL**
Associate Director, MSTP Program (2022-)
Chair of Admissions, MSTP Program (2022-)
Director, T32 Program, Dermatology (2021-)
Associate Professor (2020- Present)
Assistant Professor (2015- 2020)
Medical Director of the Extracorporeal Photophoresis Unit (2015- Present)
- 2012- 2015 **Department of Dermatology, Yale University School of Medicine, New Haven, CT**
Assistant Professor (2012-2015)

Education

- 1998- 2006 **Yale University School of Medicine, New Haven, CT**
Dual-degree Student, Medical Scientist Training Program
Cum laude, Alpha Omega Alpha, MD PhD Thesis of the Year
M.D., June, 2006; **Ph.D., Immunobiology**, June 2006
- 1994- 1998 **Harvard University, Cambridge, MA**
A.B., Summa Cum Laude, Biochemistry major, June 1998

Training

- 2009- 2015 **Yale University School of Medicine, New Haven, CT**
Post-doctoral Fellow, Department of Dermatology
- 2007- 2010 **Yale-New Haven Hospital, New Haven, CT**
Resident Physician, Physician-Scientist Track, Department of Dermatology
- 2006- 2007 **Yale-New Haven Hospital, New Haven, CT**
Intern Physician, Department of Internal Medicine, Traditional Track

Medical Licensing

Licensed Medical Physician and Surgeon, State of Illinois (2015- Present)
Licensed Medical Physician and Surgeon, State of Connecticut (2010-2015)
Board Certified, American Board of Dermatology (Continuously renewing through Certalink)

Honors and Awards

College and Medical School:

- 1994 National Science Scholar, one of 100 high school students selected nationally.
1995 Francis Detur Award (top 5% of freshmen), Harvard University
1995 John Harvard Scholarship given to top 5% of each class, all four years of college
1996 Korean Honor Scholarship, awarded by Korean consulate to top Korean American students
1998 Summa Cum Laude Honors, Harvard University
1998 Recipient of Medical Scientist Training Program Grant
2004 First Prize for Vascular Biology Transplantation Retreat Student Poster
2006 Election into Alpha Omega Alpha Medical Honors Society
2006 Farr Scholar Award for outstanding research
2006 MD/PhD Thesis Prize for Most Outstanding Thesis in Class of 2006
2006 Yale School of Medicine Cum Laude Honors
2006 Student Research Day MD/PhD Thesis Prize-Winning Presentation

Residency:

2007	Medical Intern of the Year, Yale New Haven Hospital
2008	Participant in Society for Investigative Dermatology Resident Leadership Retreat
2010	American Skin Association Research Grant recipient.
2010	Dermatology Foundation Dermatologist Investigative Research Fellowship
2011	Dermatology Foundation Physician Scientist Career Development Award
2011	World Congress of Dermatology Scholarship for Lecture on CTCL

Faculty:

2013	Yale Skin Cancer SPORE Career Development Award
2015	Ruth K. Freinkel Assistant Professor
2015	Zell Scholar, Lurie Cancer Center, Northwestern University
2016	Skin Cancer Foundation Nagel Award
2016	Leukemia Research Foundation New Investigator Award
2016	American Academy of Dermatology Young Investigator of the Year Award
2016	American Society for Clinical Investigation Young Physician Scientist Award
2016	Sidney Kimmel Scholar Award (received without moneys due to scientific overlap).
2016	Doris Duke Clinical Scientist Award
2016	Damon Runyon Clinical Investigator Award
2017	Academic Dermatology Leadership Program Award
2017	NIH Director's New Innovator Award
2017	President's Award Reception, Northwestern University
2018	American Dermatological Association Young Leadership Award
2018	Melanoma Research Foundation Compassionate Care Award
2018	One of 3 Finalists for the 2018 FNIH Trailblazer Prize for Clinician Scientists
2019	National Comprehensive Cancer Network Young Investigator Award
2020	President's Award Reception, Northwestern University
2020	Leukemia and Lymphoma Society Scholar
2020	Selection as American Dermatological Association Member
2020	American Cancer Society Research Scholar
2020	Mark Foundation Emerging Leader Award Semi-Finalist
2021	Election to American Society for Clinical Investigation
2022	Mark Foundation Emerging Leader Award
2022	President's Award Reception, Northwestern University
2023	Korean Association of Immunologists Travel Award
2023	Northwestern University Leadership Education Award Program

Publications and Scholarly Work

A. Peer-reviewed Original Investigations

1. Madge LA, Li JH, **Choi J**, Pober JS. *Inhibition of phosphatidylinositol 3-kinase sensitizes vascular endothelial cells to cytokine-initiated cathepsin-dependent apoptosis.* J Biol Chem. 2003 Jun 6;278(23):21295-306. PMID: 12663669
2. **Choi J**, Walker J, Boichuk S, Kirkiles-Smith N, Torpey N, Pober JS, Alexander L. *Human endothelial cells enhance human immunodeficiency virus type 1 replication in CD4+ T cells in a Nef-dependent manner in vitro and in vivo.* J Virol. 2005 Jan;79(1):264-76. PMID: 15596822
3. **Choi J**, Walker J, Talbert-Stagle K, Wright P, Pober JS, Alexander L. *Endothelial cells promote HIV replication in nondividing memory T cells via Nef-, Vpr-, and T-cell receptor-dependent activation of NFAT.* J Virol. 2005 Sept;79(17):11194-204. PMID: 16103171
4. **Choi J****, Landrette SF, et al. *Identification of PLX4032-Resistance Mechanisms and Implications for Novel RAF Inhibitors.* Pigment Cell Melanoma Res. 2014 Mar; 27(2):253-262. PMID: 24283590 ****co-corresponding author**
5. Futterleib JS, Feng H, Tigelaar RE, **Choi J**, Edelson RL. *Activation of GILZ gene by photoactivated 8-methoxypsoralen: potential role of immunoregulatory dendritic cells in extracorporeal*

- photochemotherapy*. Transfus Apher Sci. 2014 Jun;50(3):379-387 PMID: 24215840
6. Hosler GA, Davoli T, Mender I, Litzner B, **Choi J**, Kapur P, Shaw JW, and Wang RC. *A primary melanoma and its asynchronous metastasis highlight the role of BRAF, CDKN2A, and TERT*. J Cutan Pathol. 2015 Feb;42(2):108-17 PMID: 25407517
 7. **Choi J**, Goh G, Walradt T, Hong BS, Bunick CG, Chen K, Bjornson RD, Maman Y, Wang T, Tordoff J, Carlson K, Overton JD, Liu KJ, Lewis JM, Devine L, Barbarotta L, Foss FM, Subtil A, Vonderheid EC, Edelson RL, Schatz DG, Boggon TJ, Girardi M, Lifton RP. *Genomic landscape of cutaneous T cell lymphoma*. Nat Genet. 2015 Sep;47(9):1011-9 PMID: 26192916.
 - a. Per scholar.google.com, **cited 282 times** (DOI: 7/08/21).
 8. Goh, G, Walradt T, Markarov V, Blom A, Riaz N, Doumani R, Stafstrom K, Moshiri A, Yelistratova L, Levinsohn J, Chan TA, Nghiem P, Lifton RP**, and **Choi J****. *Mutational landscape of MCPyV-positive and MCPyV-negative Merkel cell carcinomas with implications for immunotherapy*. Oncotarget. 2016 Jan;7(3):3403-15. PMID: 26655088. PMCID: PMC4823115. ****co-corresponding author**
 - a. **Highly Cited by Web of Science**. Per scholar.google.com, **cited 239 times**. (DOI: 7/08/21)
 9. Walker S, Wang C, Walradt T, Hong BS, Tanner JR, Levinsohn JL, Goh G, Subtil A, Lessin SR, Heymann WR, Vonderheid EC, King BA, Lifton RP, and **Choi J***. *Identification of a gain-of-function STAT3 mutation (p.Y640F) in lymphocytic variant hypereosinophilic syndrome*. Blood, 2016 Feb; 127(7):948-51. PMID: 26702067. ***corresponding author**
 10. Bi M, Zhao S, Said JW, Merino MJ, Abedowale JA, Xie Z, Nawaf CB, **Choi J**, Belldegrun AS, Pantuck AJ, Kluger HM, Lifton RP, and Shuch, B. *Genomic characterization of sarcomatoid transformation in clear cell renal cell carcinoma*. Proc Natl Acad Sci., 2016 Feb; 113(8):2170-5. PMID: 26864202.
 11. Ziai J, Matloff E, **Choi J**, Kombo N, Materin M, Bale AE. *Defining the Polyposis/Colorectal Cancer Phenotype Associated with the Ashkenazi GREM1 Duplication: Counseling and Management Recommendations*. Genet Res. 2016 Mar; 44(1):48-53. PMID: 27103854.
 12. Gibson JF, Huang J, Liu KJ, Carlson KR, Foss F, **Choi J**, Edelson R, Hussong JW, Mohl R, Hill S, Girardi M. *Cutaneous T cell lymphoma: current practices in blood assessment and the utility of the T-cell receptor V β chain restriction*. Journal of Amer Acad Dermatol., 2016 May; 74(5):870-7. PMID: 26874819.
 13. Pinzaru A, Hom RA, Beal A, Philis AF, Ni E, Cardozo T, Nair N, **Choi J**, Wuttke DS, Sfeir A, Denchi EL. *Telomere replication stress induced by POT1 inactivation accelerates tumorigenesis*. Cell Rep. 2016 Jun 7;15(10):2170-84. PMID: 27239034.
 14. Yelamos O, Merkel EA, Sholl LM, Zhang B, Amin SM, Lee CY, Guitart GE, Yang J, Wenzel AT, Bunick CG, Yazdan P, **Choi J**, Gerami P. *Non-overlapping Clinical and Mutational Patterns in Melanomas From the Female Genital Tract and Atypical Genital Nevi*. J Invest Dermatol. 2016 Sep; 136(9):1858-65. PMID: 27220476.
 15. Zhang X, Rao A, Sette P, Deibert C, Pomerantz A, Kim WJ, Kohanbash G, Chang Y, Park Y, Engh J, **Choi J**, Chan T, Okada H, Lotze M, Grandi P, Amankulor N. *IDH mutant gliomas escape natural killer cell immune surveillance by downregulation of NKG2D ligand expression*. Neuro Oncol. 2016 Oct; 18(10):1402-12. PMID: 27116977.
 16. Weed J, Gibson J, Lewis J, Carlson K, Foss F, **Choi J**, Li P, Girardi. M. *FISH panel for cutaneous T cell lymphoma*. Journal of Invest Dermatol. 2017 Mar;137(3):751-753. PMID: 27836797.
 17. King B, Lee A, **Choi J***. *Treatment of Hypereosinophilic Syndrome with Cutaneous Involvement with the JAK Inhibitors Tofacitinib and Ruxolitinib*. Journal of Invest Dermatol. 2017 Apr; 137(4): 951-954. PMID: 27887955. ***senior author**.
 18. Martinez-Escala ME, Kantor RW, Cices A, Zhou XA, Kaplan JB, Pro B, **Choi J**, Guitart J. *CD8+ mycosis fungoides: A low-grade lymphoproliferative disorder*. J Am Acad Dermatol. 2017 Sep; 77(3):489-496. PMID: 28676328.
 19. Park J, Yang J, Wenzel AT, Ramachandran A, Lee WJ, Daniels JC, Kim J, Martinez-Escala E, Amankulor N, Pro B, Guitart J, Mendillo ML, Savas JN, Boggon TJ, **Choi J***. *Genomic analysis of 220 CTCLs identifies a novel recurrent gain-of-function alteration in RLTPR (p.Q575E)*. Blood. 2017 Sep 21;130(12):1430-1440. PMID: 28694326. ***corresponding author**
 - a. **Featured in Inside Blood Commentary**. "Expanding and expounding the genomic map of CTCL."
 20. Gmyrek GB, Pingel J, **Choi J****, Green JM**. *Functional analysis of acquired CD28 mutations identified in cutaneous T cell lymphoma*. Cell Immunology. 2017 Sep;319:28-34. PMID: 28711152. ****co-**

corresponding author

21. Haugh AM, Zhang B, Quan VL, Garfield EM, Bubley JA, Kudalkar E, Verzi AE, Walton K, VandenBoom T, Merkel EA, Lee CY, Tan T, Isaacs MC, Kong BY, Wenzel AT, Bunick CG, **Choi J**, Sosman J, Gerami P. *Distinct Patterns of Acral Melanoma Based on Site and Relative Sun Exposure*. J Invest Dermatol. 2018 Feb;138(2):384-393. PMID 28870692.
22. Vandeven N, Lewis C, Makarov V, Riaz N, Paulson K, Hippe D, Bestick A, Doumani R, Marx T, Takagishi S, Chan T, **Choi J**, and Nghiem P. *Merkel cell carcinoma patients presenting without a primary lesion have elevated markers of immunity, higher tumor mutation burden and improved survival*. Clin Cancer Res. 2018 Feb 15;24(4):963-971. PMID: 29246939.
23. Martinez-Escala ME, Posiligua AL, Wickless H, Rutherford A, Sable KA, Rubio-Gonzalez B, Zhou XA, Kaplan JB, Pro B, **Choi J**, Querfeld C, Rosen ST, Guitart J. *Progression of undiagnosed cutaneous lymphoma after anti-tumor necrosis factor alpha therapy*. J Am Acad Dermatol. 2018 Jun; 78(6):1068-1076. PMID: 29307643.
24. Lee D, Martinez-Escala ME, Serrano L, Zhou X, Kaplan J, Pro B, **Choi J**, Guitart J. *Hemophagocytic lymphohistiocytosis in cutaneous T cell lymphoma*. JAMA Derm. 2018 Jul;154 (7):828-831. PMID: 29874360.
25. Zhou XA, Louissaint A, Wenzel A, Yang J, Martinez-Escala ME, Moy AP, Morgan EA, Paxton CN, Hong B, Andersen EF, Guitart J, Behdad A, Cerroni L, Weinstock DA, **Choi J**.* *Genomic Analyses Identify Recurrent Alterations in Immune Evasion Genes in Diffuse Large B Cell Lymphoma, Leg Type*. J Invest Dermatol. 2018 Nov; 138(11):2365-76. PMID: 29857068. ***corresponding author**
26. Allen SD, Liu YG, Kim T, Bobbala S, Yi S, Zhang X, **Choi J**, Scott EA. *Celastrol-loaded PEG-b-PPS nanocarriers as an anti-inflammatory treatment for atherosclerosis*. Biomater Sci. 2019 Jan 2. 7(2):657-668. PMID: 30601470.
27. Daniels J, Doukas PG, Martinez-Escala ME, Ringbloom KG, Shih DJH, Yang J, Tegtmeyer K, Park J, Thomas JJ, Selli ME, Altunbulakli C, Gowthaman R, Mo SH, Jothishankar B, Pease DR, Pro B, Abdulla FR, Shea C, Sahni N, Gru AA, Pierce BG, Louissaint A, Guitart J, **Choi J**.* *Cellular Origins and Genetic Landscape of Cutaneous Gamma Delta T Cell Lymphomas*. Nature Communications. 2020 April. 11(1806). PMID: 32286303 ***corresponding author**
 - a. Named one of the **Editor's weekly highlights**
28. Espinosa ML, Nguyen MT, Aguirre AS, Martinez-Escala ME, Kim J, Walker CJ, Pontes DS, Silverberg JI, **Choi J**, Pro B, Pincus LB, Guitart J, Zhou XA. *Progression of Cutaneous T-Cell Lymphoma after Dupilumab: Case Review of 7 Patients*. J Am Acad Dermatol. 2020 Jul. 83(1):197-199. PMID: 32229275.
29. Liu Y, Cook C, Sedgewick AJ, Zhang S, Fassett MS, Ricardo-Gonzalez RR, Harirchian P, Kashem SW, Hanakawa S, Leistico JR, North JP, Taylor MA, Zhang W, Man M-Q, Charruyer A, Beliakova-Bethell N, Benz SC, Ghadially R, Mauro TM, Kaplan DH, Kabashima K, **Choi J**, Song JS, Cho RJ, Cheng JB. *Single-Cell Profiling Reveals Divergent, Globally Patterned Immune Responses in Murine Skin Inflammation*. iScience. 2020 Sep. 23(10):101582. PMID: 33205009. PMCID: PMC7648132.
30. Zhou XA, Yang J, Ringbloom KG, Martinez-Escala ME, Stevenson KE, Wenzel AT, Fantini D, Moy AP, Morgan EA, Harkins SK, Paxton CN, Hong B, Andersen EF, Guitart J, Weinstock DM, Cerroni L, **Choi J***, Louissaint A*. *Genomic Landscape of Cutaneous Follicular Lymphomas Reveal Two Subgroups with Clinically Predictive Molecular Features*. Blood Advances. 2021 Feb. 5(3): 649-661. ***co-corresponding authors**.
31. Zaidi AJ, **Choi J**, Nardone B, Liszewski W. *Differences in Merkel cell carcinoma survival by site of primary presentation*. J Am Acad Dermatol. 2021 Apr. PMID: 33882278. [epub ahead of print]
32. Park J, Daniels J, Wartewig T, Ringbloom KG, Martinez-Escala ME, Choi S, Thomas JJ, Doukas PG, Yang J, Snowden C, Law C, Lee Y, Lee K, Zhang Y, Conran C, Tegtmeyer K, Mo SH, Pease DR, Jothishankar B, Kwok PY, Abdulla FR, Pro B, Louissaint A, Boggon T, Sosman J, Guitart J, Rao DA, Ruland J*, **Choi J***. *Integrated Genomic Analyses of Cutaneous T Cell Lymphomas Reveal the Molecular Bases for Disease Heterogeneity*. Blood. 2021 Oct 7;138(14):1225-1236. PMID: 34115827. ***co-corresponding authors**
 - a. **Featured in Blood Commentary**. "PD-1 loss and T cell exhaustion in CTCL tumoral T cells."
33. Nguyen QT, Kim D, Iamaswat S, Le HT, Kim S, Qiu KT, Hinds TD, Baseley P, O'Shea JJ, **Choi J**, Asosingh K, Erzurum SC, Min B. *Steroid responsiveness in Foxp3+ regulatory T cells determines steroid responsiveness in allergic airway inflammation in mice*. J Immunol. Cutting Edge 2021 Aug. 207(3): 765-770. PMID: 34301840.

34. Nihal M, Wu J, Stonesifer CJ, Daniels J, **Choi J**, Geskin L, Rook AH, Wood GS. *Epigenetic Regulation of Apoptosis in Cutaneous T-cell Lymphoma: Implications for Therapy with Methotrexate, JAK Inhibitors, and Resveratrol*. J Invest Dermatol. 2022 Feb;142(2):493-496. PMID: 34358529.
35. Qian Y, Arellano G, Ifergan I, Lin J, Snowden CK, Kim T, Thomas JJ, Law C, Balabanov RD, Guan T, Kaech SM, Miller SD, **Choi J***. *ZEB1 Promotes Pathogenic Th1 and Th17 Cell Differentiation in Autoimmune Disease*. Cell Reports. 2021 Aug. 38(8). PMID: 34433042. ***co-corresponding authors**
36. Lee, K, Evans MG, Yang L, Ng Spencer, Snowden C, Khodadost M, Brown RA, Trum NA, Querfeld C, Doan LT, Song J, Zhang H, Gru A, Wood GS, Wada DA, Shnmugam V, Haun PL, Aster J, Duncan L, Guitart J, Weinstock DM, Nardi V*, **Choi J***. *Primary Cytotoxic T Cell Lymphomas Harbor Recurrent Targetable Alterations in the JAK-STAT Pathway*. Blood. 2021 Dec 9; 138(23):2435-2440. PMID: 34432866. ***co-corresponding authors**
 - a. **Featured in Blood Commentary**. "Oncogenic fusions JAK up CD8+ cytotoxic CTCL."
37. Daniels J, **Choi J***. *BACH2 is a putative T cell lymphoma tumor suppressor that may play a role in product-derived CAR-T cell lymphomas*. Blood 2021 Dec 23;138(25):2731-2733. PMID: 34499707. ***corresponding author**
38. Raval NS, Snowden CS, De Monnin KS, Yokoyama CC, **Choi J**, Mehta-Shah N, Rosman IS, Pavlisin J, Musiek AC. *Scarring alopecia developing after mogamulizumab-associated rash*. Eur J Dermatol. 2021 Dec 1;31(6):841-843. PMID: 35107074
39. Liu Y, Wang H, Taylor M, Cook C, Martinez-Berdeja A, North JP, Harirchan P, Hailer AA, Zhao Z, Ghadially R, Ricardo-Gonzalez RR, Grekin RC, Mauro TM, Kim E, **Choi J**, Purdom E, Cho RJ, Cheng JB. *Classification of human chronic inflammatory skin disease based on single-cell profiling*. Science Immunology. 2022 Apr 15;7(70). PMID: 35427179.
40. Cook C, Taylor M, Liu Y, Schmidt A, Kim E, Hailer A, North J, Harirchan P, Wong H, Kashem S, Shou Y, McCalmont T, Benz S, **Choi J**, Purdom E, Marson A, Ramos S, Cheng J, and Cho R. *A single-cell transcriptional gradient in human cutaneous memory T cells suppresses pathogenic Th17 inflammation*. Cell Reports Medicine. 2022 Aug 16; 3(8):100715. PMID: 35977472.
41. Hooper MJ, LeWitt TM, Pang Y, Veon FL, Chlipala GE, Feferman L, Green SL, Sweeney D, Bagnowski KT, Burns MB, Seed PC, **Choi J**, Guitart J, Zhou XA. *Gut dysbiosis in cutaneous T-cell lymphoma is characterized by shifts in relative abundances of specific bacterial taxa and decreased diversity in more advanced disease*. J Eur Acad Dermatol Venerol. 2022 Sep;36(9):1552-1563. PMID: 35366365.
42. Hooper MJ, Veon FL, LeWitt TM, Chung C, **Choi J**, Zhou XA, Guitart J. *Cutaneous T-Cell-Rich Lymphoid Infiltrates After SARS CoV-2 Vaccination*. JAMA Dermatol. 2022 Sep 1;158(9):1073-1076. PMID 35857292.
43. Church C, Pulliam T, Longino N, Park SY, Smythe KS, Makarov V, Riaz N, Jing L, Amezcuita R, Campbell JS, Gottardo R, Pierce RH, **Choi J**, Chan TA, Koelle DM, Nghiem P. *Transcriptional and functional analyses of neoantigen-specific CD4 T cells during a profound response to anti-PD-L1 in metastatic Merkel cell carcinoma*. J Immunother Cancer. 2022 Sep; 10(9):e005328. PMID: 36252564.
44. Chung C, Espinosa M, Walker C, **Choi J**, Zhou XA, DeWitt T, Liszewski W, Guitart J. *Acceleration of Skin Involvement as a Predictor of Disease Progression in Early-Stage Mycosis Fungoides: A Retrospective Cohort Study*. J Am Acad Dermatol. 2022 Nov;87(5):1140-1141. PMID: 35167923
45. Hooper MJ, Enriquez GL, Veon FL, LeWitt TM, Sweeney D, Green SJ, Seed PC, **Choi J**, Guitart J, Burns MB, and Zhou XA. *Narrowband ultraviolet B response in cutaneous T-cell lymphoma is characterized by increased bacterial diversity and reduced Staphylococcus aureus and Staphylococcus lugdunensis*. Front Immunol. 2022 Nov 11; 13:1022093. PMID: 36439132.
46. Zhao L, Hsiao T, Stonesifer C, Daniels J, Garcia-Saleem TJ, **Choi J**, Geskin L, Rook AH, and Wood GS. *The Robust Tumorcidal Effects of Combined BET/HDAC Inhibition in CTCL Can be Reproduced by delta Np73 Depletion*. J Invest Dermatol. 2022 Dec; 142(12):3253-3261. PMID: 35787399.
47. Hooper MJ, Veon FL, Enriquez GL, Ngueyn M, Grimes CB, LeWitt TM, Pang Y, Case S, **Choi J**, Guitart J, Burns MB, Zhou XA. *Retrospective analysis of sepsis in cutaneous T-cell lymphoma reveals significantly greater risk in Black patients*. J Am Acad Dermatol. 2023 Feb;88(2):329-337. PMID: 36265823.
48. Nguyen M, LeWitt T, Pang Y, Bagnowski K, Espinosa ML. **Choi J**, Guitart J, Liszewski W, Zhou XA. *Lifestyle, demographic and Skindex measures associated with cutaneous T-cell lymphoma: a single institution cohort study*. Arch Dermatol Res. 2023 Mar;315(2):275-278. PMID: 35668201.
49. Wartewig T, Daniels J, Schulz M, Hameister E, Joshi A, Park J, Morrish E, Venkatasubramani A, Cernilogar FM, van Heijster FHA, Hundshammer C, Schneider H, Konstantinidis F, Gabler JV, Klement

- C, Kurniawan H, Law C, Lee Y, Choi S, Guitart J, Forne I, Giustinani J, Muschen M, Jain S, Weinstock DM, Rad R, Ortonne N, Schilling F, Schotta G, Imhof A, Brenner D, **Choi J***, Ruland J*. *PD-1 instructs a tumor-suppressive metabolic program that restricts glycolysis and restrains AP-1 activity in T cell lymphoma*. *Nature Cancer*. 2023 In press. ***Co-corresponding author**
50. Garcia J, Daniels J, Lee Y, Zhu I, Cheng K, Liu Q, Goodman D, Burnett C, Law C, Theinpont C, Alavi J, Azimi C, Montgomery G, Roybal KT*, **Choi J***. *Naturally occurring mutations in human T cell lymphomas enhance engineered T cell therapies*. *Nature*. 2023. In press. ***Co-corresponding author**

B. Invited Reviews and Commentaries

1. **Choi J**, Enis DR, Koh KP, Shiao SL, Pober JS. *T lymphocyte-endothelial cell interactions*. *Annu Rev Immunol*. 2004;22:683-709. PMID: 15032593
2. **Choi J**, Foss F. *Cutaneous T cell lymphoma: Biologic targets for therapy*. *Curr Hematol Malig Rep*. 2007 Oct;2(4):272-277. PMID: 20425380
3. Lansigan, F, **Choi J**, Foss F. *Cutaneous T cell lymphoma*. *Hematol Oncol Clin North Am*. 2008 Oct;22(5):979-96. PMID: 18954747
4. Damsky W., **Choi J***. *Genetics of cutaneous T cell lymphoma: from bench to bedside*. *Curr Treat Options Oncol*. 2016 Jul; 17(7):33. PMID: 2762707. ***corresponding author**
5. Malecek, MK, Robinson JK, Bilimoria K, Choi JN, **Choi J**, Gerami P, Kruser T, Kuzel T, Martini M, Strauss JB, Wayne J, Sosman J, and Chandra S. *Advancements in unresectable melanoma: a multidisciplinary perspective*. *Melanoma Management*. 2016 Sep; 3(3):171-175. PMID: 30190886.
6. Zhou XA, **Choi J.*** *Photopheresis for Scleroderma*. *Curr Rheumatol Rep*. 2017 Jun; 19(6):31. PMID: 28466383. ***corresponding author**
7. Chae YK, Arya A, Chiec L, Shah H, Rosenberg A, Patel S, Raparia K, **Choi J**, Wainwright DA, Villaflor V, Cristofanili M, Giles F. *Challenges and future of biomarker tests in the era of precision oncology: Can we rely on immunohistochemistry (IHC) or fluorescence in situ hybridization (FISH) to select the optimal patients for matched therapy?* *Oncotarget* 2017 Aug 1; 8(59) 100863-100898. PMID: 29246028.
8. Chae YK, Arya A, Iams W, Cruz MR, Chandra S, **Choi J**, and Giles F. *Current landscape and future of dual anti-CTLA-4 and PD-1/PD-L1 blockade immunotherapy in cancer; lessons learned from clinical trials with melanoma and non-small cell lung cancer (NSCLC)*. *J Immunother Cancer*. 2018 May; 6(1):39. PMID: 29769148.
9. Sunshine J, Jahchan NS, Sage J, **Choi J.*** *Are there Multiple Cells of Origin of Merkel Cell Carcinoma*. *Oncogene*. 2018 Mar;37(11):1409-1416. PMID: 29321666. ***corresponding author**
 - a. **Featured in F1000Prime Article Recommendations.**
10. Martinez-Escala ME, **Choi J***. *Are MicroRNAs Key to Developing Biomarkers for Cutaneous T-cell Lymphoma?* *J Invest Dermatol*. 2018 Sep;138(9):1906-1908. PMID: 30143078. ***corresponding author**
11. Ladomersky E, Scholtens DM, Kocherginsky M, Hibler EA, Bartom ET, Otto-Meyer S, Zhai L, Lauing KL, **Choi J**, Sosman JA, Wu JD, Zhang B, Lukas RV, and Wainwright DA. *The Coincidence Between Increasing Age, Immunosuppression, and the Incidence of Patients with Glioblastoma*. *Frontiers in Pharmacology*. 2019 Mar; PMID: 30971917.
12. Zhang Y, LeWitt TM, Louissaint A Jr, Guitart J, Zhou XA, **Choi J**. *Disease-Defining Molecular Features of Primary Cutaneous B-Cell Lymphomas: Implications for Classification and Treatment*. *J Invest Dermatol*. 2022 Sep; PMID: 36163302. [epub ahead of print]

C. Books and Book Chapters

1. Aasi S, **Choi J**. *Dermatologic Diseases and Disorders*. In: Pacala JT, Sullivan GM, eds. *Geriatrics Review Syllabus: A Core Curriculum in Geriatric Medicine*, 7th ed. New York, NY: American Geriatrics Society; 2008.
2. **Choi J**, Foss FM. *Photopheresis*. In: McLeod B, Szczepiorkowski Z, Weinstein R, Winters J, eds. *Apheresis: Principles and practice*, 3rd ed. Bethesda, MD: AABB Press, 2010.
3. **Choi J**, Heald PW, Girardi M. *Extracorporeal Photochemotherapy*. In: Wolverton eds., *Comprehensive Drug Therapy*, 3rd ed. China: Elsevier-Saunders, 2012.

4. Sokhn JG, **Choi J**, and Foss FM. Photopheresis. In: Wingard JR, Gastineau D, Leather H, Snyder EL, Szczepiorkowski ZM, eds. *Hematopoietic Stem Cell Transplantation: A Handbook for Clinicians*, 2nd ed. Bethesda, MD: AABB Press, 2014.

D. Case Reports, Letters, Editorials

1. **Choi J**, Foss F. *Efficacy of low dose clofarabine in refractory precursor T- acute lymphoblastic leukemia*. Yale J Biol Med. 2006 Dec; 79(3-4):169-72. PMID: 17940627
2. Ko CJ, Milstone LM, **Choi J**, McNiff JM. *Pityriasis rubra pilaris: the clinical context of acantholysis and other histologic features*. Int J Dermatol. 2011 Dec;50(12):1480-5. PMID: 22097993
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4. Damsky W., Craiglow B., **Choi J***. *A discordant cutaneous eruption in neonatal twins*. JAMA Dermatol. 2016 Apr; 152(4):463-4. PMID: 26791600. ***corresponding author**
5. Damsky, WE, Vesely, MD, Lee, AI, **Choi J**, Meyer, A, Chen, M, Ahmed, T, and King, BR. *Drug induced hypersensitivity syndrome with myocardial involvement treated with tofacitinib*. JAAD Case Reports. 2019 Nov 13;5(12):1018-1026. PMID: 31763425.
6. Choi J. Factors Associated With Time to Treatment for Merkel Cell Carcinoma. PracticeUpdate website. Available at: <https://www.practiceupdate.com/content/factors-associated-with-time-to-treatment-for-merkel-cell-carcinoma/109988/65/4/1>. Accessed December 04, 2020
7. Choi J. Assessment of Age, Period, and Birth Cohort Effects and Trends in Merkel Cell Carcinoma Incidence in the United States. PracticeUpdate website. Available at: <https://www.practiceupdate.com/content/assessment-of-age-period-and-birth-cohort-effects-and-trends-in-merkel-cell-carcinoma-incidence-in-the-united-states/109107/65/4/1>. Accessed December 04, 2020
8. Walker CJ, Donnelly ED, Moreira J, Mehta J, Mittal BB, **Choi J**, Zhou XA, Guitart J, Pro B. *Pembrolizumab and palliative radiotherapy in 2 cases of refractory mycosis fungoides*. JAAD Case Reports. 2020 Nov 6;87-90.
9. Snowden CS, Choi J. *Partial remission of advanced untreated Sezary Syndrome after COVID-19*. JAAD Case Reports. 2022 Jan 6;[epub ahead of print]

E. Abstracts (*denotes presenting author)

a. Oral Abstract Presentations

1. Walker S, Wang C, Walradt T, Hong BS, Tanner JR, Levinsohn J, Goh G, Subtil A, Lessin SR, Heymann W, Vonderheid EC, King BA, Lifton RP, **Choi J***. "Identification of a gain-of-function STAT3 mutation (p.Y640F) in lymphocytic variant hypereosinophilic syndrome." **J Invest Dermatol** 136 (5): S5, 2016.
2. Walradt T, Makarov V, Doumani R, Riaz N, Stafstrom K, Moshiri A, Yelistratova L, Levinsohn J, Chan T, Nghiem P, Lifton RP, **Choi J***. "Mutational landscape of MCPyV-positive and MCPyV-negative Merkel cell carcinomas with implications for immunotherapy." **J Invest Dermatol** 136 (5):S15, 2016.

b. Poster Presentations

3. Liu K*, Girardi M, **Choi J**. "Detection of peripheral blood involvement in CTCL by multi-parametric flow cytometry analysis." **J Invest Dermatol** 132 (Suppl 1): S175, 2012
4. **Choi J***, Rahman, N, Ladrette S, Xu T. "Forward genetic screen to identify genes that confer drug resistance to BRAF-inhibitors in melanoma." **J Invest Dermatol** 132 (Suppl 1): S163, 2012.
5. Futterleib JS*, Tigelaar RE, **Choi J**, Edelson RL. "Activation of the glucocorticoid-induced leucine zipper in human dendritic cells: Implications for immune-modulation after extracorporeal photochemotherapy." **J Invest Dermatol** 133 (Suppl 1): S212-S215, 2013.
6. **Choi J***, Goh G, Walradt T, Blom A, Moshiri AS, Nghiem P, Lifton R.. "Genomic Landscape of MPyV+ and MPyV- Merkel Cell Carcinomas." **J Invest Dermatol** 134 (Suppl 1): S228, 2014.
7. Weed J*, Gibson J, Lewis J, Carlson K, Foss F, **Choi J**, Li P, Girardi M. "Novel FISH probe panel for the detection of gene copy number alterations in CTCL." **J Invest Dermatol** 136 (5): S13, 2016.
8. Zhou XA*, Wenzel A, Yang J, Martinez-Escala ME, Guitart, J, Behdad A, Cerroni L, **Choi J**. "Genomic

landscape of primary cutaneous diffuse large B cell lymphoma, leg type.” Blood 130 (Suppl 1): 1464. 2017.

Invited Lectures

1. “*Evolution of T Cell Fitness in the Tumor Microenvironment.*” New York University School of Medicine. June 17, 2024.
2. “*Genomic Characterization of Cutaneous Lymphomas.*” World Congress of Cutaneous Lymphomas. City of Hope, California. April 11, 2024.
3. “*Evolution of T Cell Fitness in the Tumor Microenvironment.*” MGH Cutaneous Biology Research Center March 11, 2024.
4. “*Evolution of T Cell Fitness in the Tumor Microenvironment.*” Baylor University School of Medicine. November 16, 2023.
5. “*Evolution of T Cell Fitness in the Tumor Microenvironment.*” Hematological Malignancies Grand Rounds. Memorial Sloan Kettering, New York, NY. October 24, 2023.
6. “*Naturally Occurring Mutations from T Cell Lymphomas Enhance Engineered T Cell Therapies.*” Mark Foundation Scientific Symposium. New York, NY. October 17, 2023.
7. “*Evolution of T Cell Fitness in the Tumor Microenvironment.*” Vanderbilt-Ingram Cancer Center Grand Rounds, Vanderbilt University. Nashville, TN. October 12, 2023.
8. “*Naturally Occurring Mutations from Human T Cell Lymphomas Enhance Engineered T Cell Therapies.*” Korean Association of Immunology Annual Meeting, Incheon, September 14, 2023.
9. “*Evolution of T Cell Fitness in the Tumor Microenvironment.*” Cellular Degradation Medicine Center Seminar. Cellular Degradation Science Center. Seoul National University. Seoul, Korea. September 13, 2023.
10. “*Evolution of T Cell Fitness in the Tumor Microenvironment.*” KAI-X Global Immunology Day. Korea Advanced Institute of Science and Technology. Daejeon, Korea. September 12, 2023.
11. “*How the V Foundation Catalyzes Our Research.*” V Foundation 25th Wine Celebration. Yountville, CA. August 4, 2023.
12. “*Evolution of T Cell Fitness in the Tumor Microenvironment: Implications for Cellular Immunotherapy.*” Bone Marrow Transplantation and Cellular Therapy Grand Rounds. Moffitt Cancer Center. Virtual. August 1, 2023
13. “*Evolution of T Cell Fitness in the Tumor Microenvironment.*” University of Washington. Skin Oncology Research Seminars. Seattle, WA. June 26, 2023.
14. “*Biological Predictors of Response to Immunotherapy in Merkel Cell Carcinoma.*” Great Lakes Chapter-American Society for Pharmacology and Experimental Therapeutics. Chicago, IL. June 1, 2023
15. “*Technologies To Understand: Improving The Way We Diagnose, Stage And Treat Diseases.*” SID Future Leaders Retreat. Virtual. May 25, 2023.
16. “*Specialty Interest Breakfast.*” American Physician Scientist Association. April 23, 2023.
17. “*Precision Medicine in Cutaneous T Cell Lymphomas.*” Cutaneous Lymphoma Foundation. April 22, 2023.
18. “*Precision Medicine in Cutaneous T Cell Lymphomas.*” Johns Hopkins Department of Dermatology Grand Rounds. Johns Hopkins University. April 21, 2023.
19. “*Evolution of T Cell Fitness in the Tumor Microenvironment.*” Johns Hopkins Department of Dermatology Scientific Seminar Series. Johns Hopkins University. April 20, 2023.
20. “*Evolution of T Cell Fitness in the Tumor Microenvironment.*” Human Translational Immunology Seminar Series. Yale University, April 18, 2023.
21. “*Cellular and Molecular Drivers of T Cell Lymphomas.*” University of Texas Southwestern. February 22, 2023.
22. “*Cellular and Molecular Drivers of T Cell Lymphomas.*” Sidney Kimmel Cancer Center Grand Rounds. Thomas Jefferson University. Virtual. October 12, 2022.
23. “*Cutaneous Lymphomas: Past, Present, and Future.*” UMass Worcester Department of Dermatology Residency Lecture Series. October 3, 2022.
24. “*Cutaneous Lymphomas: Past, Present, and Future.*” UCLA Division of Dermatology Residency Lecture Series. Virtual. August 16, 2022.
25. “*What’s New in Research.*” Cutaneous Lymphoma Foundation Virtual Patient Conference. July 9, 2022.

26. "*Cellular and Genomic Drivers of Cutaneous T Cell Lymphomas.*" Speaker. T Cell Lymphoma Hub. June 29, 2022.
27. "*The Role of PD1 In T Cell Lymphomas.*" Speaker. American Association for Cancer Research Advances in Malignant Lymphoma 3rd International Meeting. Boston, MA. June 25, 2022.
28. "*Beyond the Molecular Insights- Beyond Morphology to Genomics.*" Co-Keynote Speaker. International Society for Cutaneous Lymphoma. Virtual. June 11, 2022.
29. "*The Role of PD1 in Cutaneous T Cell Lymphomas.*" Sixth Annual Symposium on Lymphoma. Memorial Sloan Kettering Cancer Center. Virtual. May 13, 2022.
30. "*Cutaneous Lymphomas: From Big Data to Personalized Medicine.*" American Cancer Society Relay for Life Rally. Loyola University. Chicago, IL. April 10, 2022
31. "*Sezary Syndrome: Past, Present, and Future.*" Resident Lecture Series. Department of Dermatology. Indiana University. Virtual, April 6, 2022.
32. "*Cellular and Molecular Bases of Cutaneous T Cell Lymphomas.*" Grand Rounds. Department of Dermatology. Indiana University. Virtual. April 6, 2022.
33. "*HiJAKing Cutaneous Cytotoxic Lymphomas.*" United States Cutaneous Lymphoma Consortia. Boston, MA. March 24, 2022.
34. "*Cellular and Molecular Bases of Cutaneous T Cell Lymphomas.*" Grand Rounds. Department of Dermatology. University of Wisconsin. Virtual. November 1, 2021.
35. "*Cellular and Molecular Bases of T Cell Lymphomas.*" Biomedical Sciences Seminar Series. Iowa State. Virtual. August 26, 2021.
36. "*Cellular and Molecular Bases of Cutaneous T Cell Lymphomas.*" Global Dermtalks. Virtual. August 16, 2021.
37. "*Insights into T Cell Biology from Naturally Occurring T Cell Clones.*" Association of Korean Immunologists in America Summer Science Symposium. Virtual. August 11, 2021.
38. "*Advances in the Molecular Understanding of Cutaneous B Cell Lymphomas.*" United States Cutaneous Lymphoma Consortium Annual Meeting. Virtual. June 26, 2021.
39. "*Insights into T Cell Biology from Naturally Occurring T Cell Clones.*" Cleveland Clinic Lerner Center for Immunotherapy and Precision Oncology. Cleveland, Ohio. March 22, 2021.
40. "*Research Roadmap.*" Cutaneous Lymphoma Foundation Webinar. Virtual. March 3, 2021.
41. "*Personalized Medicine for the Practicing Dermatologist.*" Sixth Annual Southern Dermatology Symposium. Virtual. February 26, 2021.
42. "*Damon Runyon Clinical Investigators.*" Damon Runyon Cancer Research Foundation Virtual Breakfast. NY, NY. December, 2020.
43. "*Data-driven Framework To Approach Gamma-Delta Cutaneous T Cell Lymphomas.*" Memorial Sloan Kettering T Cell Lymphoma Disease Management Team. NY, NY. November, 2020.
44. "*What Lymphomas Can Teach Us About T Cell Biology.*" Association of Korean Immunologists in America. New Haven, CT. July, 2020. Cancelled due to COVID-19
45. "*Translational Research Roundtable.*" Society for Investigative Dermatology, Scottsdale, AZ, May, 2020.
46. "*What T Cell Lymphomas Teach Us About T Cell Biology.*" Aberrant Immune Signals in Cancer Seminar Series. Technical University of Munich. Munich, Germany. February, 2020.
47. "*Mycosis Fungoides; Sezary Syndrome: One Disease.*" Controversies in CTCL. 4th World Congress of Cutaneous Lymphoma. Barcelona, Spain. February, 2020.
48. "*Whole Genome Sequencing Analysis of CTCL.*" 4th World Congress of Cutaneous Lymphoma, Barcelona, Spain. February, 2020.
49. "*Gene Expression and Prognostic Markers in CTCL.*" T Cell Lymphoma Forum, La Jolla, CA. January, 2020.
50. "*Genomics of CTCL: From Bedside to Bench.*" Charles Duhring Grand Rounds, University of Pennsylvania. Philadelphia, PA. December, 2019.
51. "*Genomics of Merkel Cell Carcinoma.*" First International Symposium on Merkel Cell Carcinoma, Tampa, FL, October, 2019.
52. "*Personalized Medicine for the Practicing Dermatologist.*" 45th Annual Korean American Medical Association Scientific Conference, NY, NY, July, 2019.
53. "*Translational Research Roundtable.*" Society for Investigative Dermatology, Chicago, IL, May, 2019.
54. "*Sequencing CTCL: where we are and where we need to go.*" International Society for Cutaneous Lymphomas Research Day, Society for Investigative Dermatology, Chicago, IL. May, 2019.

55. *Personalized Medicine for Skin Cancer: Lessons from Skin Lymphomas and Merkel Cell Carcinomas*. Moffitt Cancer Center, Tampa, FL. April, 2019.
56. *Personalized Medicine for the Practicing Dermatologist*. University of Minnesota Department of Dermatology Research Day. Minneapolis, MN, April, 2019.
57. *The Red Patient: An Overview of Erythroderma*. 76th American Academy of Dermatology Annual Meeting. Washington, D.C., March, 2019.
58. *Genomics of Skin Cancers: Insights into Cells of Origin and Targetability*. University of California San Francisco Department of Pathology Grand Rounds. San Francisco, CA. January, 2019.
59. *What the Genetics of T Cell Cancers Tell Us About the Immune System in Health and Disease*. Young Leadership Award Seminar. American Dermatological Association. Napa Valley, CA. November, 2018.
60. *Genomic Basis of Skin Cancers: From Bench to Bedside*. Foundation for the National Institutes of Health. Capitol Hill. Washington, DC. October, 2018.
61. *Genetic Basis of Altered T Cell Receptor Signaling*. Doris Duke Charitable Foundation. Clinical Scientist Development Award Annual Meeting. NY, NY. October, 2018.
62. *Genomics of Skin Lymphoma: From Bench to Bedside*. City of Hope. Toni L. Stephenson Hematologic Malignancies and Stem Cell Transplantation Institute Seminar Series. Duarte, CA. October, 2018.
63. *Personalized Medicine for the Practicing Dermatologist*. Minnesota Dermatological Society. Rochester, MN. September, 2018.
64. *Sezary Syndrome: Past, Present, and Future*. Mayo Clinic Department of Dermatology Grand Rounds. Rochester, MN. September, 2018.
65. *What the Genetics of T Cell Cancers Can Tell Us about The Immune System During Health and Disease*. University of Missouri Division of Biological Sciences. Columbia, MO. March, 2018.
66. *The Red Patient: An Overview of Erythroderma*. 75th American Academy of Dermatology Annual Meeting. San Diego, CA. February, 2018.
67. *Molecular Mechanisms Underlying CTCL*. 75th American Academy of Dermatology Annual Meeting. San Diego, CA. February, 2018.
68. *Treatment of CTCLs with Histone Deacetylase Inhibitors*. American Heart Association Scientific Sessions 2017. Anaheim, CA. November, 2017.
69. *Genomic Analysis of 220 CTCLs Identifies Recurrent Mutations in RLTPR*. European Organisation for Research and Treatment of Cancer- Cutaneous Lymphoma Task Force (EORTC-CLTF) Annual Meeting. Cutaneous Lymphomas: Insights and Therapeutic Progress. London, UK. October, 2017.
70. *Genomics of Skin Cancer: From Bench to Bedside*. Kansas Dermatology Society Annual Meeting, Wichita, KS. August, 2017.
71. *Precision Medicine in T-NHL: Where Are We Now?* 14th International Ulmann Chicago Lymphoma Symposium. Chicago, IL. May, 2017.
72. *The Red Patient: An Overview of Erythroderma*. 74th American Academy of Dermatology Annual Meeting. Orlando, FL. March, 2017.
73. *Genetics of Cutaneous T Cell Lymphoma: From Bench to Bedside*. Ohio State University Comprehensive Cancer Center. Columbus, OH. Lymphoma Research Conference. October, 2016.
74. *The Role of Extracorporeal Photopheresis in Scleroderma*. Scleroderma Patient Education Conference. Chicago, IL October, 2016.
75. *Genetics of Cutaneous T Cell Lymphoma: From Bench to Bedside*. University of California, San Francisco Department of Dermatology Grand Rounds, May, 2016.
76. *Genomic Landscape of Cutaneous T Cell Lymphoma*. 8th Annual T Cell Lymphoma Forum. San Francisco, CA. January, 2016.
77. *The Role of ZEB1 in Cutaneous T Cell Lymphoma*. Junior Researcher Symposium: Breakout Session: Translational Science. American Society of Hematology Meeting 2016. Orlando, FL. Dec., 2015.
78. *Genomic Landscape of Cutaneous T Cell Lymphoma*. Invited Speaker Lecture Series. Chicago St. University. Chicago, IL. October, 2015
79. *Molecular Biology of Merkel Cell Carcinoma: Application to Clinical Practice*. World Cutaneous Malignancies Congress. Seattle, WA. July, 2015.
80. *Immunotherapy for Metastatic Melanoma*. 73rd American Academy of Dermatology Annual Meeting. San Francisco, CA. March, 2015.
81. *Immunotherapy for Metastatic Melanoma*. 72nd American Association of Dermatology Annual Meeting. Denver, CO, March, 2014
82. *Immunotherapy for Metastatic Melanoma*. 71st American Association of Dermatology Annual Meeting.

Miami, FL. March, 2013.

83. *MAPK Reactivation as a Common Mechanism of Drug Resistance to BRAF Inhibitors*. University of Washington Melanoma Seminar Series. Seattle, Washington. April, 2012.
84. *Aggressive Acral CTCL: Case Report and Review of the Literature*. World Congress of Dermatology. Seoul, South Korea. May, 2011.

Invited Lectures (Local):

1. Keynote Panel for MSTP Retreat. Moderator. Northwestern University Feinberg School of Medicine. July 21, 2023.
2. *Evolution of T Cell Fitness in the Tumor Microenvironment*. Grand Rounds. Department of Dermatology. July 12, 2023.
3. *My Career As a Physician Scientist*. T35 Faculty Talk. July 3, 2023.
4. *NU MSTP Virtual Information Symposium*. Panelist. March 1, 2023.
5. *Be Your Best at Scientific Presentations*. Center for Synthetic Biology- NRT Seminar. Feb 2023
6. *Why MSTP at Northwestern*. MSTP Interview Day. October- January 2023
7. *Research Opportunities for Dermatology Residents at Northwestern*. Dermatology Physician-Scientist Interview Day. January, 2023.
8. *Lab Safety*. Carcinogenesis T32 Research in Progress Symposium. July, 2022.
9. *Dermatology Physician Scientists*. Medical Scientist Training Program College Session. March, 2022.
10. *Return to Clinic Chat*. Medical Scientist Training Program. March, 2022.
11. *Career Tracks*. Annual Dermatology Clinical Retreat. February, 2022.
12. *Research Opportunities for Dermatology Residents at Northwestern*. Dermatology Physician-Scientist Interview Day. January, 2022.
13. *Precision Immunology at Northwestern*. Lurie Cancer Center Annual Retreat, January, 2022
14. *Precision Immunology at Northwestern: From 2021 to Beyond*. Annual Dermatology Retreat. December, 2021
15. *Mentor-Trainee Relationships*. T32 Carcinogenesis Research in Progress. Northwestern University Feinberg School of Medicine. November, 2020.
16. *Genetic basis of Immune Evasion and Tumor Progression in T Cell Lymphomas*. Cancer Immunology Initiative Investigator Meeting. Lurie Cancer Center. Northwestern University Feinberg School of Medicine. November, 2020.
17. *Cellular Origins and Genomic Landscape of Gamma Delta Lymphomas of the Skin*. Robert H. Lurie Hematological Malignancies Program. Northwestern University Feinberg School of Medicine. August, 2020
18. *Insights into T Cell Biology from Naturally Occurring T Cell Clones*. Microbiology and Immunology Seminar Series. Northwestern University Feinberg School of Medicine. July, 2020.
19. *Cellular Origins and Genomic Landscape of Gamma Delta Lymphomas of the Skin*. Robert H. Lurie Hematology/Oncology Basic Science Grand Rounds. Northwestern University Feinberg School of Medicine. May, 2020
20. *Optimizing scRNA-Seq to Elucidate T Cells in the Skin*. Skin Biology Disease Resource Center Annual Retreat. Northwestern University Feinberg School of Medicine. August, 2019.
21. *Cancer Genomics*. Presentation for Cancer CURE Students. Northwestern University Feinberg School of Medicine. August, 2019.
22. *Genomic Analyses Reveals Novel Therapeutic Strategies in Tumor Immunology*. Cancer Immunology Working Group. Northwestern University Feinberg School of Medicine. Chicago, IL. June, 2019.
23. *Photopheresis: Who, How, When*. Rube Walker. Northwestern University Feinberg School of Medicine. Chicago, IL. June, 2019.
24. *What is a Lymphoma?* 3rd Annual Biochemistry and Molecular Genetics (BMG) Retreat, Evanston, IL, Sep. 2018.
25. *Genomic Analyses Reveals Novel Therapeutic Strategies in Skin Cancer*. Department of Biochemistry and Molecular Genetics Seminar Series. Northwestern University Feinberg School of Medicine. Chicago, IL. Febuary, 2018.
26. *What the Genetics of T Cell Cancers Can Tell Us about The Immune System During Health and Disease*. Department of Medicine. Division of Rheumatology Grand Rounds. Northwestern University Feinberg School of Medicine. Chicago, IL. January, 2018.

27. *Isochromosomes in Cancer*. Chicago Region- Physical Sciences Oncology Center Sciences Jam. Evanston, IL January, 2018
28. *Thinking Big and Small: from whole genome to single cell sequencing*. 2nd Annual Biochemistry and Molecular Genetics (BMG) Retreat, Evanston, IL November 2017.
29. *Genomics of T Cell Lymphomas*. Robert H. Lurie Cancer Center Cutaneous Lymphoma and Melanoma Symposium, Chicago, IL September, 2017.
30. *Sezary Syndrome*. Robert H. Lurie Cancer Center Cutaneous Lymphoma and Melanoma Symposium, Chicago, IL September, 2017.
31. *Photopheresis and Other Immunotherapies*. Robert H. Lurie Cancer Center Cutaneous Lymphoma and Melanoma Symposium, Chicago, IL September, 2017.
32. *Genetics of Skin Lymphomas*. Faculty Seminar Series. Department of Biochemistry and Molecular Genetics. Northwestern University, Chicago, IL, May, 2017.
33. *Photopheresis: Who, When, Why?* Northwestern Department of Dermatology Resident Lecture Series, Northwestern University, Chicago, IL, April, 2017.
34. *Utilizing Genomics for Lineage Tracing*. Faculty Chalk Talk Series. Robert H. Lurie Cancer Center, Northwestern University, Chicago, IL. April, 2017.
35. *Using Cancer Genetics to Explore Disease Etiology, to Elucidate Disease Mechanisms and to Investigate the Unknownome*. First Annual Biochemistry and Molecular Genetics Retreat, Department of Biochemistry and Molecular Genetics, Northwestern University, Wilmette, IL, October, 2016.
36. *Cancer Genomics*. Fundamentals of Cancer Genomics. Physical Sciences in Oncology Center., Northwestern University, Evanston, IL, September, 2016.
37. *My Career as a Physician Scientist in Dermatology*. 2016 M.D., Ph.D. Retreat, Delavan, WI, July, 2016.
38. *Translational Research in Cutaneous T Cell Lymphoma*. Lymphoma Research, Treatment, and Novel Trials. Northwestern University, Chicago, IL, June, 2016.
39. *Identification of Targetable Mutations in Skin Cancer with Next Generation Sequencing*. Seminar Series, Northwestern Medicine Developmental Therapeutics Institute, Northwestern University, Chicago, IL, June, 2016.
40. *The Genomic Basis of Autoimmune Disease*. Inflammation Research in Progress. Department of Pathology. Northwestern University, Chicago, IL, May, 2016.
41. *The Genetics of Cutaneous T Cell Lymphoma*. Faculty Seminar Series. Department of Biochemistry and Molecular Genetics. Northwestern University, Chicago, IL, Apr, 2016.
42. *Identification of Targetable Mutations in Cutaneous T Cell Lymphoma*. Epithelial Biology Group Seminar Series. Robert H. Lurie Comprehensive Cancer Center. Northwestern University, Chicago, IL., January, 2016.
43. *The Genomic Basis of Immunological Diseases*. Allergy and Immunology Grand Rounds. Northwestern University, Chicago, IL., January, 2016.
44. *Extracorporeal Photopheresis (ECP) for GVHD: Who, When, and Why?* Current Topics in Cellular Therapy and Transplant. Robert H. Lurie Comprehensive Cancer Center. Northwestern University. Chicago, IL., December, 2015.
45. *Role of JAK-STAT Signaling in the Lymphocytic Variant of Hypereosinophilic Syndrome*. BMG Data Group. Department of Biochemistry and Molecular Genetics. Chicago, IL. December, 2015.
46. *Genomic Landscape of Cutaneous T Cell Lymphoma*. Northwestern Dermatology Bench to Bedside Series. Chicago, IL. October, 2015
47. *Novel therapeutic approaches for dermatologic malignancies identified by next generation sequencing*. Yale Dermatology Scientific Series. New Haven, CT. January, 2015.
48. *Genetics of Skin Lymphoma*. Yale Dermatology Scientific Series. New Haven, CT. May, 2014.
49. *Identification of Multiple BRAF-dependent Mechanisms of Drug Resistance*. Yale Skin Cancer SPORE Seminar Series. New Haven, CT. May, 2013.
50. *Genomic Landscape of CTCL*. Yale Dermatology Scientific Series. New Haven, CT. February, 2013.
51. *Forward Genetic Screen to Identify Mechanisms of Drug Resistance*. Yale Skin Cancer SPORE Seminar Series. New Haven, CT. May, 2011.

Scientific Funding (PI)

2023- 2028

NIH T32 Award

Title: Northwestern University Postdoctoral Training Program in Cutaneous Biology

	Total Award: Pending
2023- 2023	Chicago Biomedical Consortium Title: Novel Immunotherapies for Pancreatic Cancer Total Award: \$35,000
2022- 2025	Department of Defense IDEA Award Title: Elucidating the Biology of Aggressive Kinase Fusion-Driven Cutaneous T-Cell Lymphomas Total Award: \$584,977
2022- 2025	Mark Foundation Emerging Leader Award Title: Exploiting Naturally Occurring Mutations to Engineer Next-Generation T Cell Therapies Total Award: \$750,000
2021- 2024	V Foundation Immuno-Oncology Translational Program Award Title: Identifying Mechanisms of Resistance to Immunotherapy for Merkel Cell Carcinoma. Total Award: \$600,000
2021- 2026	NIH R01 Award Title: Mechanisms of Lymphomagenesis of Skin Resident Gamma Delta T Cells. Total Award: \$2,413,574
2021- 2026	Leukemia Lymphoma Society Scholar Title: Validating Genomic Biomarkers of Aggressive Subtypes of CTCL Total Award: \$600,000
2020- 2024	American Cancer Society-Research Scholar Grant Title: Validating Genomic Biomarkers of Aggressive Subtypes of CTCL Total Award: \$792,000
2020- 2022	Lefkofsky Award Title: Designing Novel Cellular Therapies for Intractable Cutaneous Lymphomas Total Award: \$125,000
2020-2020	Doris Duke Charitable Foundation COVID Bridge Award Title: Validating Genomic Biomarkers of CTCL Total Award: \$50,000
2017- 2022	NIH DP2 New Innovator Award Title: Identifying Mechanisms Underlying T Cell Diversity Total Award: \$2,347,000
2016- 2021	Damon Runyon Clinical Investigator Award Title: Validating Genomic Biomarkers of CTCL Total Award: \$620,000
2019- 2021	National Comprehensive Cancer Network Foundation Title: Genomic Determinants of Responses to Immunotherapy in MCC Total Award: \$150,000
2019- 2021	Skin Biology and Disease Research Core Pilot and Feasibility Award Title: Identifying and Characterizing Skin-Resident T cells Total Award: \$50,000
2015- 2020	NIH K08 Award Title: The Role of ZEB1 Mutations in CTCL Total Award: \$763,020
2019- 2020	Doris Duke Data Sharing Award Title: Identifying the genetic basis of altered T cell receptor signaling in CTCL Total Award: \$16,500
2016- 2019	Doris Duke Clinical Scientist Award Title: Identifying the genetic basis of altered T cell receptor signaling in CTCL Total Award: \$270,000
2018- 2019	Doris Duke Clinical Research Mentorship Title: Identifying NF-κB Targets in CTCL Total Award: \$70,400

2016- 2018	Chicago Biomedical Consortium Title: Novel single-cell analyses of tumor-specific T cells in MCC Total Award: \$250,000
2017- 2018	Chicago Region Physical Sciences Oncology Center Title: Defining the molecular consequences of isochromosomes on chromosome segregation and gene transcription. Total Award: \$40,000
2017- 2018	Northwestern University Clinical and Translational Sciences Institute Title: Identifying targetable gene mutations in CBCL Total Award: \$10,000
2016- 2017	Leukemia Research Foundation Title: Identification of the Drivers of Disease Progression in CTCL Total Award: \$100,000
2016- 2017	Skin Cancer Foundation Title: Development of CTCL-Seq Total Award: \$25,000
2015- 2017	American Cancer Society- Institutional Research Grant Title: Targeting CD28 Mutations in CTCL Total Award: \$70,000
2011- 2014	Dermatology Foundation Career Development Award Title: Forward Genetic Screen to Identify Genes that Confer Resistance in Melanoma Total Award: \$165,000
2012- 2014	Yale SPORC in Skin Cancer Career Development Award Title: Forward Genetic Screen to Identify Genes that Confer Resistance in Melanoma Total Award: \$60,000
2010- 2011	Dermatology Foundation Investigator Research Fellowship Title: Forward Genetic Screen for Tumor Suppressors in Mouse Skin Using PiggyBac Transposon Mutagenesis Total Award: \$30,000
2010- 2011	American Skin Association Research Grant Title: Forward Genetic Screen for Tumor Suppressors in Mouse Skin Using PiggyBac Transposon Mutagenesis Total Award: \$15,000

Editorial Activities:

2015- 2022	Editorial Board , <i>JAAD Case Reports</i>
2018- 2021	Editorial Board , <i>Leukemia & Lymphoma</i>
2022- 2027	Associate Editor , <i>Journal of Clinical Investigation</i>

Journal Peer Review Activities:

2017- Present	<i>Blood</i>
2015- Present	<i>Journal of American Academy of Dermatology Case Reports</i>
2012- Present	<i>Journal of Investigative Dermatology</i>

Ad Hoc Journal Peer Review Activities:

Cell Reports, 2023
Oncoimmunology, 2022
Nature Communications, 2021, 2023
Nature Cancer, 2021, 2023
Clinical Cancer Research, 2021
Journal of Clinical Investigation, 2021
Scientific Reports, 2020
PLOS Computational Biology, 2020
Leukemia and Lymphoma, 2019

Cancer Research, 2019
Genome Medicine, 2019
Hematologist, 2018
JCI Insight, 2018
Science Advances, 2017
Leukemia, 2017
Critical Reviews in Oncology/ Hematology, 2016
Oncotarget, 2015, 2020
JAMA Dermatology, 2015-2016
Pigment Cell and Melanoma Research, 2014

Grant Review Activities:

Chair

2019- 2021	Cutaneous Lymphoma Foundation Catalyst Award Program
2023-2025	Dermatology Foundation Medical and Scientific Review Committee

Standing member:

2022- 2025	Dermatology Foundation Medical and Scientific Review Committee
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Ad Hoc member:

2016	Cancer Smashers
2016	NUCATS KL2 Grants
2017	ACS-IRG Grants, Northwestern
2019	NCI-J Career Development Award Study Section
2019	Leukemia Research Foundation Hollis-Brownstein New Investigator Award
2019	Medical Review Council, UK
2019	Netherlands Organisation for Health Research and Development
2019	Doris Duke Charitable Foundation Physician Scientist Program
2020	National Comprehensive Cancer Network Young Investigator Award Study Section
2020	NIAID Program Project Award
2020	Northwestern H Foundation Collaboration Awards
2021	NIH F15 Awards
2021	Doris Duke Charitable Foundation Clinical Scientist Development Award
2021	NIAID Program Project Award
2021	NIH ACTS Special Emphasis Panel
2022	NIH ACTS Special Emphasis Panel
2022	Eisenberg Foundation Research Grants at the Lurie Cancer Center
2023	Doris Duke Charitable Foundation Physician Scientist Award
2023	NIH NIAMS T32 Review Panel

Media Coverage and Appearances

2016	Scleroderma News. The Role of Extracorporeal Photopheresis in Scleroderma.
2016	US Medicine. Genomic Research Identifies Potential Therapeutic Targets for CTCL.
2017	Northwestern Medicine Magazine. Getting Under the Skin.
2017	Big Ten Magazine. How Researchers from Purdue and Northwestern Proved They're True Innovators.
2018	Yale Medicine. Jaehyuk Choi finalist for FNIH 2018 Trailblazer Prize
2019	Cancer Wellness. Cover Story. A Family Affair. https://cancerwellness.com
2020	Nature Research Community. Behind the Paper. Decoding Cutaneous Gamma Delta Lymphomas.
2020	Northwestern Medicine Magazine. Cell of Origin Influences Skin Cancer Prognosis.
2021	Northwestern Medicine Magazine. Next-Gen Sequencing.
2021	Northwestern Medicine Magazine. PD1 Gene Deletions Associated with Worse Prognoses of CTCLs.
2021	Northwestern Medicine Magazine. Skin Cancer Harbors Targetable Mutation.

Clinical Responsibilities:

2015- Present	Department of Dermatology, Northwestern University, Feinberg School of Medicine, Chicago, IL Medical Director of the Extracorporeal Photopheresis Unit (2015- Present) Outpatient clinic, 1 clinic, week (2015- Present) Inpatient consults, 2-4 weeks/ year (2015- Present) Dermatology Grand Rounds Moderator, 1-2 times/year (2015- Present)
2010- 2015	Department of Dermatology, Yale University School of Medicine, New Haven, CT CTCL Clinic, 1x/week (2010- 2015) Photopheresis Attending, 2x/week (2010-2015) Dermatology Grand Rounds Moderator (2012-2015)

Clinical Trials:

Sub-Investigator:

Dana Farber-17/488

A phase 2 study of pembrolizumab in patients with histiocyte/dendritic cell neoplasms and biologically selected subtypes of relapsed/refractory aggressive lymphomas

This trial was designed to test the concept that immune checkpoint blockade would be effective for a subset of patients with cutaneous diffuse large b cell lymphoma based on our discovery of recurrent PD-L1 fusions in these cancers.

Sub-Investigator:

MSK 16-542

Ruxolitinib for relapsed or refractory T or NK cell neoplasms.

This trial was designed to test the concept that JAK inhibitor therapy would be effective for the treatment of lymphomas who express JAK2 fusions that we have discovered.

Sub-Investigator:

Extracorporeal Photopheresis

Extracorporeal Photopheresis for the Management of Progressive Bronchiolitis Obliterans Syndrome in Medicare-Eligible Recipients of Lung Allografts (Lung Registry)

An open label study to assess the effects of ECP for the treatment of chronic lung transplant rejection.

Advisory Boards

2018	Pfizer, avelumab
2018	EMD Serrono, avelumab
2018	Merck, avelumab
2020	Kyowa Kirin, mogamulizumab

Participation in Professional Societies And Extramural Organizations

A. Professional Society Memberships

2010- present	American Association of Dermatology
2010- present	Society for Investigative Dermatology
2010- present	United States Cutaneous Lymphoma Consortium
2012- present	Merkel Cell Carcinoma Forum
2014- present	American Association of Cancer Research
2016- present	American Society for Hematology
2018- present	International Workshop on Merkel Cell Carcinoma Research
2018- present	Cutaneous Lymphoma Research Advisory Council

2019- Present International Society for Cutaneous Lymphomas
 2019- Present Society for Immunotherapy of Cancer (SITC)

B. Leadership and Service

2016- present Member, Cutaneous Lymphoma Foundation Research Advisory Council
 2019- present Chair, Cutaneous Lymphoma Foundation Research Grant Council
 2019- present Member, Society for Investigative Dermatology Resident Retreat
 2019 Moderator, Doris Duke Charitable Foundation Clinical Research Mentorship Retreat.
 2019 Moderator, Advances in Dermatologic Malignancy, 45th Annual Korean American Medical Association Scientific Conference
 2019 Panelist, Merkel Cell Carcinoma Pathophysiology Panel, 1st International Symposium on Merkel Cell Carcinoma
 2020 Moderator, Animal Models of T Cell Lymphoma, T Cell Lymphoma Forum
 2020 Chair, Genomics Panel, 4th World Congress of Cutaneous Lymphomas
 2021- Present Committee on the Scientific Program, Society for Investigative Dermatology
 2021- Present International Rare Cancer Initiative
 2022 Abstract Reviewer, Translational Science, Society for Investigative Dermatology
 2022 Moderator, Mini-Symposium, Translational Science, Society for Investigative Dermatology
 2022 Moderator, e-Posters, Translational Science, Society for Investigative Dermatology
 2022 USCLC Tumor Board Panelist
 2022 EORTC Cutaneous Lymphoma Foundation Panelist for Biological Insights
 2022 Abstract Reviewer, Clinical Research Section of the Biomarkers Subcommittee, AACR
 2023 Abstract Reviewer, International Society for Investigative Dermatology, Adaptive Immunity
 2023 Scientific Advisory Board, NIH Program Project Grant (NIH-5P01CA225517-01; Immunology and Immune Therapy for Merkel Cell Carcinoma)

Institutional Service

Institutional Leadership:

2022- Present **MD/ PhD Program, Northwestern University Feinberg School of Medicine**
 Associate Director
 Chair of Admissions Committee
 2021- Present **Department of Dermatology, Northwestern University Feinberg School of Medicine**
 Director, T32 Program
 Chair, Faculty Search Committee
 2015- Present **Northwestern Memorial Hospital**
 Extracorporeal Photopheresis Unit, Director, 2015- Present
 Merkel Cell Carcinoma Program, Co-Leader, 2015- Present
 2015- Present **Department of Dermatology, Northwestern University Feinberg School of Medicine**
 Faculty Search Committee, Co-Director, 2017- 2020
 Executive Committee, Skin Disease Research Center, 2017- 2020
 Physician Scientist Training Program, Director, 2018- 2020
 Preceptor, Mentor/Trainee Breakout Session, Dermatology Retreat, 2020.
 2015- Present **MD PhD Program, Northwestern University Feinberg School of Medicine**
 De Arellanos College, Advisor 2018- Present
 Advisor, Incoming MD PhD Class of 2016.
 2021- Present **Driskill Graduate Program**
 Faculty Committee Member.
 2021- Present **Northwestern University Feinberg School of Medicine**
 Immunology Innovations Co-Chair
 2021- Present **Northwestern University Center for Human Immunology**
 Advisory Board
 2021- Present **Robert H. Lurie Comprehensive Cancer Center, Northwestern University Feinberg School of Medicine**
 Director of Precision Immunotherapy

2021	Faculty Review Board, T32 Grant Applications (2021- 2022) Northwestern University Feinberg School of Medicine Triannual Research Retreat Advisory Board
2021	Department of Dermatology, Northwestern University Feinberg School of Medicine Annual Research Retreat, Co-organizer
2020	Robert H. Lurie Comprehensive Cancer Center, Northwestern University Feinberg School of Medicine Annual Lurie Cancer Center Symposium, Co-organizer, 2020
2015- 2018	Department of Biochemistry and Molecular Genetics, Northwestern University Feinberg School of Medicine Annual Departmental Retreat, Co-chair, 2015-2019

Committees:

2015- Present	Northwestern University Feinberg School of Medicine Faculty Committees: Chair, M.D., Ph.D. Admissions Committee, 2022- Present Driskill Graduate Program Faculty Committee, Member 20221 Present M.D., Ph.D. Admissions Committee, 2015-2018 Faculty, Carcinogenesis T32 Program, since 2015 Faculty, Dermatology T32 Program, since 2015 Faculty, Immunology and Molecular Pathogenesis Training Program, since 2019 Tumor Immunobiology Search Committee, 2016-2017.
2015- Present	Northwestern University Thesis Committees: Sonia Brockway, PhD thesis committee, Mendillo Lab, 2015- 2020 Christie Sze, PhD thesis committee, Shilatifard Lab, 2015- 2020 Anthony Gacita, PhD thesis committee, Chair, McNally Lab, 2015- 2020 Nikita Mani, PhD thesis committee, Chair, Feng Lab, Northwestern, 2019- Sophia Li, PhD thesis committee, Scott Lab, Northwestern, 2019- Nathan Hodge, PhD thesis committee, Pier-Tetreault Lab, Northwestern, 2020- Qiuyin Ren, PhD Thesis committee, NIH, 2020- William Cisneros, PhD Thesis committee, Chair, Hulquist Lab, Northwestern, 2021- Mary Kelly, PhD Thesis Committee, Nehant Lab, Northwestern (Evanston campus) 2022- Radhika Iyer, PhD Thesis Committee, Fang Lab, Northwestern 2022- Rebecca Southern, PhD Thesis Committee, Shukla Lab, Northwestern, 2023- Haley Province, PhD Thesis Committee, Beutler Lab, Northwestern, 2023- Karla Guerra, PhD Thesis Committee, Wu Lab, Northwestern, 2023- Adrian Carcamo, PhD Thesis Committee, Yi Lab, Northwestern, 2023-
2015- Present	Northwestern University Feinberg School of Medicine Qualifying Committees: Sophia Li, PhD thesis committee, Member, Scott Lab, 2019. Sizhe Liu, PhD qualifying committee, Member, Wu Lab, 2019 Roger Smith, PhD qualifying committee, Member, Mendillo Lab, 2019 Shuvam Chaudhuri, PhD qualifying committee, Member, Fang Lab, 2020 Pokorny, Jenny, PhD qualifying committee, Chair, Horbinski Lab, 2021 Scholten, David, PhD qualifying committee, Chair, Liu Lab, 2021
2015- Present	Northwestern University Feinberg School of Medicine Admissions Committees: MD PhD Program Admissions Committee, 2015-2018 Department of Dermatology, 2015- Present Driskil Graduate School Interviewer, 2015- Present Biochemistry and Molecular Genetics Faculty Interviews, 2016- Present
2015- Present	Northwestern University Feinberg School of Medicine Review Committee: Lewis Landberg Research Day Abstracts, 2022 Biochemistry and Molecular Genetics Retreat Posters, 2016-2018
2015- Present	Yale University School of Medicine Admissions Committees:

Yale Department of Dermatology, 2010-2014.

Ad Hoc Interviews:

2017 Department of Pediatrics PSTP Program
2020- Present Department of Pediatrics PSTP Program
2020- Present Department of Medicine PSTP Program

Teaching:

2015- Present **Northwestern University Feinberg School of Medicine, Chicago, IL**
Immunology (2022- Present)
Dermatology Grand Rounds Preceptor (2015- Present)
Tumor cell Biology, *Cancer Genomics* (2015- Present)
Foundations 3 Immunobiology Series for Medical Students, 2016
Dermatology Resident Lecture Series,
Photopheresis, 2017
CTCL, 2020
Tumor Immunology NanoCourse, 2018
Rube Walker Blood Center
Photopheresis Refresher, 2019
Genetics, *Cancer Genomics* (2018-2022)
MSTP Journal Club (2017- Present)

2010- 2015 **Yale University School of Medicine, New Haven, CT**
Dermatology Grand Rounds Preceptor (2011- 2015)
Dermatology In-patient Rounds Preceptor (2011-2015)
Dermatology Resident Lecture Series (2011- 2015)

Community/Public Service:

2016- Present **Northwestern Lurie Cancer Center**
Cancer Survivors Walk Team Captain

2016 **American Academy of Dermatology**
SPOT-me Skin Cancer screening

2020 **Damon Runyon 5K**

2021- Present **Trinity Church Food Pantry**

2021 **Community Health Clinic, Chicago, IL for uninsured populations.**

Professional Development:

2020 **CIMER Mentorship Training**

Trainees:

1. Nur-Taz Rahman; post-graduate associate (2010-2011); now research faculty, Yale School of Medicine,
2. Tiffany Wang; post-graduate associate (2011-2012); now faculty, Swedish Hospital.
3. Jessie Hou; medical student (2011); Mohs surgeon, California Skin Institute
4. Qiqi Ye, post-doctoral fellow (2012-2013); now pathology resident, New York Medical College
5. Bok Sil Hong, post-doctoral fellow (2013-2014); now research faculty, Seoul National University
6. Gihyun Lee, post-doctoral fellow (2013-2014); now research faculty, Kyung Hee University School of Medicine
7. Kan Chen, post-graduate associate (2013-2014); now interventional radiology fellow, Hofstra School of Medicine
8. Trent Walradt, post-graduate associate (2014-2015); now gastroenterology fellow, Mt. Sinai School of Medicine
9. Chen Wang, medical student (2014-2015); now dermatology resident, Stanford

10. Joonhee Park, post-doctoral fellow (2015- 2020), now Scientist, Amgen
11. Christie Sze, PhD thesis committee (2015-), PhD student, Shilatifard lab, current
12. Sonia Brockway, PhD thesis committee (2015-), PhD student, Mendillo lab, current
13. James Whang, undergraduate student (2015-2017); software engineer, Microsoft
14. Wung Jae Lee, undergraduate student (2015-2017); now
15. Alexander Wenzel, undergraduate student (2015-2017); now graduate student, UCSD
16. Grzegorz Gmyrek, post-doctoral fellow (2016-2017); now staff scientist, University of Oklahoma
17. Alan Zhou, post-doctoral fellow (2016-2017); now Assistant Professor, Department of Dermatology, Northwestern University
18. Akshaya Ramchandran, masters student (2016-2017); now technician, Washington University
19. Juhyun Kim, post-doctoral fellow (2016- 2107), now post-doctoral fellow, NIH
20. Melanie Daulton, medical student (2016-2019), ophthalmology resident, Northwestern
21. Balaji Jothishankar, University of Chicago medical student (2016-2020), dermatology resident, MGH
22. Jee Hyuk Byun, undergraduate (2017- 2018). Now medical student, Seoul National University
23. Jay Daniels, MD/ PhD student (2017-), current
24. Peter Doukas, medical student (2017-2020), now internal medicine resident, Northwestern Medicine
25. Jihae Ahn, rotating graduate student (2017), now, PhD student Zhang lab.
26. Simrita Deol, rotating graduate student (2017), now, MD PhD student, Leonard Lab.
27. Anthony Gacita, PhD thesis committee chair, (2017-), PhD student, McNally lab, current
28. Thomas Kim, undergraduate (2017- 2018).
29. Yuan Qian, postdoctoral fellow, (2017- 2021), now postdoctoral fellow, Northwestern
30. Taehyeung Kim, postdoctoral fellow, (2017- 2019), postdoctoral fellow, Harvard Medical School
31. Stephanie Hong, medical student (2017), now anesthesiology resident, Northwestern
32. Alexander Hou, medical student (2017), current
33. Kyle Tegtmeyer, medical student (2017- 2021), now Radiology resident, Northwestern
34. Alina Murphy, rotating graduate student (2018), now graduate student, Kim lab.
35. Carly Conran, medical student, University of Illinois at Chicago (2018- 2020), now resident, internal medicine, University of Colorado
36. Sara Choi, medical student, Doris Duke Clinical Research Mentorship, Stanford University (2018- 2019), now resident, Department of Dermatology, UPENN
37. Sophia Li, PhD thesis committee, (2018- 2021), current
38. Kewei Xu, masters student, Northwestern University (2018-2019), now bioinformatics, Choi lab.
39. Calvin Law, PhD student, (2019-), current
40. Roger Smith, PhD student (2019), qualifying committee.
41. Sizhe Liu, PhD student (2019), qualifying committee.
42. Samuel Mo, medical student, University of Illinois at Chicago (2018- 2021), current.
43. Zachary Reinstein, MD PhD student (2019-), current.
44. Alexandru Buhimschi, rotating MD PhD student (2019), current.
45. Jean Lin, rheumatology fellow (2019-)
46. Teng Liu, postdoctoral fellow (2019), now postdoctoral fellow, MD Anderson
47. Amy Lee, Masters student, Masters Program in Biotechnology, 2019-2020.
48. Yue Zhang, medical student, Northwestern (2019- Present)
49. Katie Lee, medical student, University of Illinois Chicago (2019- 2022)
50. Kian Rahbari, medical student, Northwestern (2019)
51. Caroline Snowden, medical student, Washington University (2020- 2022)
52. Kathleen Cheng, rotating MD PhD student (2020-), current
53. Shauvam Chaudhuri, PhD student (2021), qualifying committee.
54. Qiuyin Yi, MD PhD student (2021-), thesis committee.
55. Nathan Hodge, PhD student (2021-), thesis committee.
56. Daphne Cornish, rotating PhD student, now PhD student in Hulquist lab.
57. David Scholtens PhD student (2021), chair, qualifying committee
58. Jenny Pokorny, PhD student (2021), chair, qualifying committee
59. Guerra, Karla, PhD student (2021), first year advisee, DGP PhD student
60. Liu, Qianli, PhD student (2021), first year advisee, DGP PhD student
61. Wang, Qixuan, PhD student (2021), first year advisee, DGP PhD student
62. McGrath, Nicole, PhD student (2021), first year advisee, DGP PhD student

63. Markov, Nikolay, PhD student (2021), first year advisee, DGP PhD student
64. Grody, Emmie (2021), rotating PhD student
65. Allard, Grace (2021), rotating PhD student
66. Lakoma, Elizabeth, Undergraduate (2021-), current
67. Liu, Qing (2021), PhD student (2022-)
68. Yescas, Julia (2022), PhD student (2022-); received internal nomination for HHMI Gilliam Award
69. Ann Marie Dominguez, PhD Student (2022), qualifying committee
70. Hyebin Han, PhD Student (2022), qualifying committee
71. Wang, Amy, Undergraduate (2022-), current
72. Lee, Yujin (2022-), PhD student
73. Hancock, Brandon Li (2022), first year advisee, DGP PhD student
74. Lone, Talha (2022), first year advisee, DGP PhD student
75. Pillai, Malavika (2022), first year advisee, DGP PhD student
76. Singh, Anmol (2022), first year advisee, DGP PhD student
77. Iyer, Radhika (2022), PhD student, thesis committee
78. Kelly, Mary (2023), PhD student, thesis committee
79. Southern, Rebecca (2023), PhD student, thesis committee
80. Li, Jack (2023-), MD PhD student