

Name	Dr. Jonathan Peled
Current Position & Affiliation	Assistant Attending Memorial Sloan Kettering Cancer Center
Country	USA
Major Field	Microbiome & Immunotherapy

Educational Background

Degree (include field of study)	Institution name & Location	Dates attended (mm/yy - mm/yy)	Year Awarded
B.Sc. in Cell & Structure Biology	U. of Illinois at Urbana Champaign, IL	1997-2002	2002
M.Sc. In Cell Biology	Albert Einstein College of Medicine, Bronx, NY	2002-2010	2010
M.D.	Albert Einstein College of Medicine, Bronx, NY	2002-2010	2010
Ph.D. in Immunology/Cell Biology	Albert Einstein College of Medicine, Bronx, NY	2002-2010	2010

Professional Experience

Title	Institution, city and state	Dates (mm/yy - mm/yy)
Assistant Member Level 1	Memorial Sloan Kettering Cancer Center, New York, NY	09/2016-11/2019
Instructor in Medicine	Weill Cornell Medical College New York, NY	11/2017-01/2020
Assistant Member	Memorial Sloan Kettering Cancer Center, New York, NY	11/2019-
Assistant Professor of Medicine	Weill Cornell Medical College New York, NY	01/2020-
Assistant Professor	Gerstner Sloan Kettering Graduate School of Biomedical Sciences	04/2024-
Director, MSK Microbiome Program	Memorial Sloan Kettering Cancer Center, New York, NY	11/2023-

Other Experience and Professional Memberships

C. POSTDOCTORAL TRAINING (Include residency/fellowships)

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Title (include area of training)	Institution name & Location	Dates (mm/yy - mm/yy)
Intern, Internal Medicine	Massachusetts General Hospital Boston, MA	2010-2011
Resident, Internal Medicine	Massachusetts General Hospital Boston, MA	2011-2013
Fellow, Hematology and Oncology	Memorial Sloan Kettering Cancer Center New York, NY	2013-2016

Main Scientific Publications

Publications Highlights

Elkrief A, Waters NR, Smith N, Dai A, Slingerland J, Aleynick N, Febles B, Gogia P, Socci ND, Lumish M, Giardina PA, Chaft JE, Eng J, Motzer RJ, Mendelsohn RB, Markey KA, Zhuang M, Li Y, Yang Z, Hollmann TJ, Rudin CM, van den Brink MRM, Shia J, DeWolf S, Schoenfeld AJ, Hellmann MD, Babady NE, Faleck DM, Peled JU. [Immune-Related Colitis Is Associated with Fecal Microbial Dysbiosis and Can Be Mitigated by Fecal Microbiota Transplantation](#). *Cancer Immunol Res.* 2024 Mar 4;12(3):308-321. doi: 10.1158/2326-6066.CIR-23-0498. PubMed PMID: 38108398; PubMed Central PMCID: PMC10932930.

Blair LM, Akhund-Zade J, Katsamakias ZA, Smibert OC, Wolfe AE, Giardina P, Slingerland J, Bercovici S, Perales MA, Taur Y, van den Brink MRM, Peled JU, Markey KA. [Circulating microbial cell-free DNA is increased during neutropenia after hematopoietic stem cell transplantation](#). *Blood Adv.* 2023 Nov 14;7(21):6744-6750. doi: 10.1182/bloodadvances.2023010208. PubMed PMID: 37399491; PubMed Central PMCID: PMC10651422.

DeWolf S, Elhanati Y, Nichols K, Waters NR, Nguyen CL, Slingerland JB, Rodriguez N, Lyudovik O, Giardina PA, Kousa AI, Andrlóvá H, Ceglia N, Fei T, Kappagantula R, Li Y, Aleynick N, Baez P, Murali R, Hayashi A, Lee N, Gipson B, Rangesa M, Katsamakias Z, Dai A, Blouin AG, Arcila M, Masilionis I, Chaligne R, Ponce DM, Landau HJ, Politikos I, Tamari R, Hanash AM, Jenq RR, Giralt SA, Markey KA, Zhang Y, Perales MA, Socci ND, Greenbaum BD, Iacobuzio-Donahue CA, Hollmann TJ, van den Brink MRM, Peled JU. [Tissue-specific features of the T cell repertoire after allogeneic hematopoietic cell transplantation in human and mouse](#). *Sci Transl Med.* 2023 Jul 26;15(706):eabq0476. doi: 10.1126/scitranslmed.abq0476. Epub 2023 Jul 26. PubMed PMID: 37494469; PubMed Central PMCID: PMC10758167.



Nguyen CL, Markey KA, Miltiadows O, Dai A, Waters N, Sadeghi K, Fei T, Shouval R, Taylor BP, Liao C, Slingerland JB, Slingerland AE, Clurman AG, Maloy MA, Bohannon L, Giardina PA, Brereton DG, Armijo GK, Fontana E, Gradissimo A, Gyurkocza B, Sung AD, Chao NJ, Devlin SM, Taur Y, Giralt SA, Perales MA, Xavier JB, Pamer EG, Peled JU, Gomes ALC, van den Brink MRM. [High-resolution analyses of associations between medications, microbiome, and mortality in cancer patients.](#)

Cell. 2023 Jun 8;186(12):2705-2718.e17. doi: 10.1016/j.cell.2023.05.007. Epub 2023 Jun 8. PMID: 37295406 PMCID: PMC10390075

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 X, 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. doi:

10.1182/blood.2021015111. PubMed PMID: 36399701; PubMed Central PMCID: PMC10163318.

Shouval R, Waters NR, Gomes ALC, Zuanelli Brambilla C, Fei T, Devlin SM, Nguyen CL, Markey KA, Dai A, Slingerland JB, Clurman AG, Fontana E, Amoretti LA, Wright RJ, Hohl TM, Taur Y, Sung AD, Weber D, Hashimoto D, Teshima T, Chao NJ, Holler E, Scordo M, Giralt SA, Perales MA, Peled JU, van den Brink MRM. [Conditioning Regimens are Associated with Distinct Patterns of Microbiota Injury in Allogeneic Hematopoietic Cell Transplantation.](#) Clin Cancer Res. 2023 Jan 4;29(1):165-173. doi: 10.1158/1078-0432.CCR-22-1254. PubMed PMID: 36322005; PubMed Central PMCID: PMC9812902.

Peled JU, Gomes ALC, Devlin SM, Littmann ER, Taur Y, Sung AD, Weber D, Hashimoto D, Slingerland AE, Slingerland JB, Maloy M, Clurman AG, Stein-Thoeringer CK, Markey KA, Docampo MD, Burgos da Silva M, Khan N, Gessner A, Messina JA, Romero K, Lew MV, Bush A, Bohannon L, Brereton DG, Fontana E, Amoretti LA, Wright RJ, Armijo GK, Shono Y, Sanchez-Escamilla M, Castillo Flores N, Alarcon Tomas A, Lin RJ, Yáñez San Segundo L, Shah GL, Cho C, Scordo M, Politikos I, Hayasaka K, Hasegawa Y, Gyurkocza B, Ponce DM, Barker JN, Perales MA, Giralt SA, Jenq RR, Teshima T, Chao NJ, Holler E, Xavier JB, Pamer EG, van den Brink MRM. [Microbiota as Predictor of Mortality in Allogeneic Hematopoietic-Cell Transplantation.](#) N Engl J Med. 2020 Feb 27;382(9):822-834. doi: 10.1056/NEJMoa1900623. PMID: 32101664

Schluter J, Peled JU, Taylor BP, Markey KA, Smith M, Taur Y, Niehus R, Staffas A, Dai A, Fontana E, Amoretti LA, Wright RJ, Morjaria S, Fenelus M, Pessin MS, Chao NJ, Lew M, Bohannon L, Bush A, Sung AD, Hohl TM, Perales MA, van den Brink MRM, Xavier JB. [The gut microbiota is associated with immune cell dynamics in humans](#)

Nature. 2020 Dec;588(7837):303-307. doi: 10.1038/s41586-020-2971-8. Epub 2020 Nov 25. PMID: 33239790 PMCID: PMC7725892

Stein-Thoeringer CK, Nichols KB, Lazrak A, Docampo MD, Slingerland AE, Slingerland JB, Clurman AG, Armijo G, Gomes ALC, Shono Y, Staffas A, Burgos da Silva M, Devlin SM, Markey KA, Bajic D, Pinedo R, Tsakmaklis A, Littmann ER, Pastore A, Taur Y, Monette S, Arcila ME, Pickard AJ, Maloy M, Wright RJ, Amoretti LA, Fontana E, Pham D, Jamal MA, Weber D, Sung AD, Hashimoto D, Scheid C, Xavier JB, Messina JA, Romero K, Lew M, Bush A, Bohannon L, Hayasaka K, Hasegawa Y, Vehreschild MJGT, Cross JR, Ponce DM, Perales MA, Giralt SA, Jenq RR, Teshima T, Holler E, Chao NJ, Pamer EG, Peled JU, van den Brink MRM.

[Lactose drives *Enterococcus* expansion to promote graft-versus-host disease.](#)

Science. 2019 Nov 29;366(6469):1143-1149. doi: 10.1126/science.aax3760.



PMID: 31780560

