CURRICULUM VITAE

Jeremy B. Jacox, MD, PhD

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Contact Information:

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School: Yale School of Medicine

Education:

09/2002 - 06/2008	BA, MIT, Physics, Cambridge, MA
09/2008 - 05/2016	PhD, Yale University, Immunobiology, New Haven, CT
09/2008 - 05/2017	MD, Yale School of Medicine, Medicine, New Haven, CT

Career/Academic Appointments:

07/2017 - 06/2019	Internal Medicine Resident, Internal Medicine, Yale New Haven Hospital, New Haven, CT
07/2019 - 07/2024	Clinical Fellow, Medical Oncology and Hematology, Yale School of Medicine, New Haven, CT
07/2019 - 12/2023	Clinical Fellow, Hematology/Oncology (Internal Medicine), Yale School of Medicine, New Haven, CT
02/2021 - 07/2024	Postdoctoral fellow, Genetics, Medical Oncology, Yale Cancer Biology Institute, West Haven, CT
02/2021 - 07/2024	Postdoctoral Fellow (T32), Genetics, Yale Cancer Biology Institute, West Haven, CT
08/2024 - Present	Faculty Scholar (KL2), Yale Center for Clinical Investigation (YCCI), Yale University, New Haven, CT
08/2024 - 06/2026	Instructor, Medical Oncology and Hematology, Yale School of Medicine, New Haven, CT

Board Certification:

2021 - 2031	AB of Internal Medicine, Internal Medicine
2023 - 2033	AB of Internal Medicine, Medical Oncology

Professional Honors & Recognition:

International/National/Regional

2008	Sigma Pi Sigma (National Physics Honor Society), MIT
2014	Ruth Kirschstein F30 NRSA Fellowship, National Cancer Institute
2023	ASCO Young Investigator Award, Conquer Cancer Foundation
2024	Fellow, NIH Transdisciplinary Research in Energetics and Cancer (TREC) Program

Yale University/Yale School of Medicine/Hospital System

2016	Distinction, PhD dissertation (Immunobiology), Yale University
2016	Banner Bearer, Commencement, Graduate School of Arts and Sciences
2017	MD/PhD Prize, Cum Laude, Yale School of Medicine

Grants/Clinical Trials History:

Current Grants

Agency:	Department of Defense (PCARP Program)
I.D.#:	HT9425-24-1-0954
Title:	Feeding Stress Primes the Pancreas for Cancer (Idea Development Award)
P.I.:	Mandar Deepak Muzumdar
Role:	Collaborator
Percent effort:	5%
Total costs:	$837,437.00
Project period:	11/01/2024 - 10/31/2027

Agency:	NIH NCATS-Yale University
I.D.#:	5KL2TR001862-09
Title:	Leveraging novel pre-clinical models to study anti-tumor immunity in pancreatic adenocarcinoma (NIH-YCCI KL2 Faculty Scholar)
P.I.:	Eugene Shapiro
Role:	Appointee
Percent effort:	75%
Total costs:	$290,000.00 (of which $72,286.00 indirects)
Project period:	08/01/2024 - 07/31/2026

Past Grants

Agency:	National Cancer Institute
I.D.#:	5F30CA186626
Title:	Tissue Homeostatic Control by CSF-dependent Macrophage-Stromal Cell Interactions
Role:	Principal Investigator
Percent effort:	100%
Total costs:	$120,076.00
Project period:	08/01/2014 - 05/15/2017

Agency:	National Cancer Institute
I.D.#:	F30CA186626
Title:	Tissue Homeostatic Control by CSF-dependent Macrophage-Stromal Cell Interactions
P.I.:	Jeremy B. Jacox
Role:	PI
Percent effort:	100%
Total costs:	$120,076.00
Project period:	08/01/2014 - 05/31/2017

Agency:	Conquer Cancer Foundation
I.D.#:	YIA23-002033
Title:	ASCO Young Investigator Award, Conquer Cancer Foundation, 2023 ASCO Annual Meeting, for project "Investigating obesity as a host variable altering T-cell immunity and the tumor microenvironment in pancreatic ductal adenocarcinoma"
P.I.:	Jeremy Jacox
Role:	Principle Investigator
Percent effort:	80%
Total costs:	$50,000.00
Project period:	07/01/2023 - 06/30/2025

Invited Speaking Engagements, Presentations & Workshops Not Affiliated With Yale:

International/National

1. "From physics and immunology to obesity-driven pancreatic ductal adenocarcinoma (PDAC)". NCI Translational Research in Energetics and Cancer (TREC) Consortium, Translational Research in Energetics and Cancer (TREC) Consortium Education Program, Training Workshop 2025, Westbrook, CT, June 2025. (Oral Presentation)

Regional

1. "Rescuing neoantigen-specific anti-tumor immunity in pancreatic ductal adenocarcinoma". Rockefeller University, Yale Center for Clinical Investigation (YCCI), Yale/Rockefeller Collaborative Research Day (YCCI), New York, NY, June 2025. (Oral Presentation)

Peer-Reviewed Presentations Given at Meetings Not Affiliated With Yale:

International/National

1. **Jacox JB** . NINJA PDAC: A robust murine pancreatic cancer organoid transplant model with inducible neoantigens for studying tumor microenvironment interactions with anti-tumor T-cell immunity. AACR Special Conference on Pancreatic Cancer, Boston, MA, September 2023. (Poster Presentation)

2. **Jacox JB** . Rescuing neoantigen-specific CD8+ T-cell immunity from tumor-microenvironment mediated immunosuppression in pancreatic cancer. AACR Tumor Immunology and Immunotherapy, Boston, MA, October 2024. (Poster Presentation)
3. **Jacox JB** . Investigating how the pancreatic ductal adenocarcinoma (PDAC) tumor microenvironment alters anti-tumor T-cell immunity using the NINJA PDAC organoid model of inducible neoantigens. American Society for Clinical Oncology, ASCO Career Development and Scientific Conference, Alexandria, VA, November 2024. (Poster Presentation)

Professional Service:

Journal Services

Reviewer

2024 Reviewer, Cancer Metabolism

Professional Organizations

American Association of Cancer Research

2011 - Present Member, American Association of Cancer Research

American Pancreatic Association

2024 - Present Member, American Pancreatic Association

American Society of Clinical Oncology

2019 - Present Member, American Society of Clinical Oncology

Yale University / Hospital System

University

2014 - 2016 Fellow, McDougal Graduate Student Life Fellow, Coordinated and Led Yale University GSAS Student Events, supervisor: Dr. Lisa Brandes

Medical School

2013 - 2015 Committee Member, Yale School of Medicine Admissions Committee

Department

2020 - 2022 Committee Member, Yale Internal Medicine Residency Program Admissions Committee, Interviewed and reviewed candidates for Yale Internal Medicine Residency

Public Service / Media Presence

Public Service

2010	President & Founder, Yale Alternative Spring Break medical mission, Organized & led 18-member team of Yale School of Medicine students and clinical faculty in international medical service team to La Romana, Dominican Republic, providing primary clinical and surgical care to 450+ patients in underresourced Haitian refugee 'batey' communities
2013	Committee Member, Yale-INTEC Social Medicine Elective, Served as senior clinical medical team member, committee member for 1-week immersion social medicine elective in Santo Domingo, DR, based upon our 2010 Alternative Spring Break. Faculty mentor: Dr. Lisa Walke.
2021 - Present	Religious Official, The Church of Jesus Christ of Latter-day Saints, Bishop, leader of congregation and of youth group

Media Presence

2024	Featured Expert and Consultant, AACR Cancer Immunology and Microenvironment (CIMM) Working Group, Featured Junior Faculty Profile, November 2024

Bibliography:

Peer-Reviewed Original Research

1. Chokshi S, **Jacox J** , Hull SC, Sanft T. The Heartaches of Cancer Therapy: Acute and Late Cardiotoxicity in Cancer Survivors. Oncology (Williston Park, N.Y.) 2016, 30: 1095-8. PMID: 27987202 .
2. Zhou X, Franklin RA, Adler M, **Jacox JB** , Bailis W, Shyer JA, Flavell RA, Mayo A, Alon U, Medzhitov R. Circuit Design Features of a Stable Two-Cell System. Cell 2018, 172: 744-757.e17. PMID: 29398113 , PMCID: PMC7377352 , DOI: 10.1016/j.cell.2018.01.015 .
3. Adler M, Mayo A, Zhou X, Franklin RA, **Jacox JB** , Medzhitov R, Alon U. Endocytosis as a stabilizing mechanism for tissue homeostasis. Proceedings Of The National Academy Of Sciences Of The United States Of America 2018, 115: e1926-e1935. PMID: 29429964 , PMCID: PMC5828590 , DOI: 10.1073/pnas.1714377115 .
4. Odio CD, O'Brien CR, **Jacox J** , Jain D, Lee AI. Cryptic Cachexia. New England Journal Of Medicine 2020, 383: 68-74. PMID: 32609985 , DOI: 10.1056/nejmcps1817531 .
5. Ruiz C, Garcia C, **Jacox J** , Lawres L, Muzumdar M. Decoding the obesity–cancer connection: lessons from preclinical models of pancreatic adenocarcinoma. Life Science Alliance 2023, 6: e202302228. PMID: 37648285 , PMCID: PMC10474221 , DOI: 10.26508/lsa.202302228 .

Chapters

1. Jacox, J. Pancreatic Cancer (Chapter 161). In: Netter's Integrated Review of Medicine: Pathogenesis to Treatment; Ed. B. Leppert, C. Kelly; Elsevier Press (Philadelphia, PA), 2020.