

Kelley Weinfurtner

3400 Civic Blvd, PCAM 7th floor, Philadelphia, PA 19104

Kelley.Weinfurtner@penmedicine.upenn.edu

(267) 847-9582

EDUCATION

University of California at San Francisco, *Medical School* 8/2011-5/2015

University of California at Berkeley, *Bachelor of Arts* 8/2004-12/2007

- Molecular and Cell Biology major

POSTGRADUATE TRAINING

University of Pennsylvania, *Transplant Hepatology Fellowship* 7/2021-present

University of Pennsylvania, *Gastroenterology Fellowship* 7/2018-06/2021

University of California at San Francisco, *Internal Medicine Residency* 7/2015-06/2018

LICENSURE/CERTIFICATION (current)

American Board of Internal Medicine 2018-2028

Medical Board of Pennsylvania, *Medical, temporary unrestricted* 3/2020-present

Medical Board of Pennsylvania, *Medical, training* 7/2018-present

PROFESSIONAL SOCIETIES

American Association for Study of Livers Disease 2017-present

American Gastroenterological Association 2018-present

American Society for Gastrointestinal Endoscopy 2018-present

International Liver Cancer Association 2020-present

AWARDS/HONORS

AASLD Advanced/Transplant Hepatology Award 7/2021-6/2022

Frank Brooks Research Award 6/2021

- Research award given to fellows in Gastroenterology and Hepatology at UPenn

Sadie E. Berkove, MD, Fellowship 5/2015

- Scholarship given yearly to an outstanding woman graduate of UCSF SOM

UCSF SOM Dean's Summer Research Fellowship 6/2012-8/2012

High Distinction in General Scholarship, University of California- Berkeley

12/2007

- Equivalent to Magna Cum Laude

RESEARCH EXPERIENCE

T32 Research Training Grant in Gastrointestinal Sciences

7/2019-6/2021

University of Pennsylvania GI Fellowship-Basic Science Track

Advisors: Terence Gade, MD, PhD; David Kaplan, MD, MSc

- Evaluating biopsy and patient outcomes from a prospective clinical trial designed for the genomic, metabolomic, and immunologic profiling of tumors from patients with intermediate and advanced HCC.
- Developing patient-derived models of HCC, including patient-derived xenografts with humanized immune systems and 3-D primary cell culture, as tools for translation therapeutics and precision medicine.

Program in Residency Investigation Methods and Epidemiology

7/2016-6/2018

UCSF Internal Medicine Residency

Advisors: Neil Mehta, MD; Francis Yao, MD

- Investigated the effect of non-alcoholic fatty liver disease and metabolic risk factors on waitlist outcome in patients with hepatocellular carcinoma listed for liver transplant.

Dean's Summer Research Fellowship

6/2012-8/2012

UCSF Pediatric Multiple Sclerosis Research Group

Advisors: Emmanuelle Waubant, MD, PhD; Dr. Jennifer Graves, MD, PhD

- Evaluated whether known risk factors for pediatric multiple sclerosis are also risk factors for other pediatric demyelinating diseases, such as neuromyelitis optica and transverse myelitis.

Staff Research Associate

2/2009-8/2011

UCSF Pediatric Hematology/Oncology Department

Advisor: Kevin Shannon, MD

- Investigated the role of monosomy 7 and 7q deletions in leukemogenesis using chromosomal engineering to build mouse models of these deletions, as well as shRNA transduction experiments to interrogate specific candidate tumor suppressor genes in this region.

Undergraduate Research Student

6/2007-8/2007, 6/2006-8/2006

Cleveland Clinic- Lerner Research Institute, Neuroscience Department

Advisor: Wendy Macklin, PhD

- Interrogated the role of the Akt-pathway in CNS myelination of nerve axons using transgenic mice engineered to overexpress constitutively active Akt in oligodendrocytes.

VOLUNTEER EXPERIENCE

Small group teacher

5/2020-6/2020, 5/2021-6/2021

Perelman School of Medicine at University of Pennsylvania

- Small group discussion leader in GI pathophysiology for first year medical students.

Fellowship Admissions Committee

9/2019-present

University of Pennsylvania GI Fellowship

- Interviewed applicants to Penn GI fellowship for both Clinical Educator and Basic Science tracks.

Mentoring in Residency

7/2015-6/2019

UCSF School of Medicine

- Big sibling program: resident run near-peer mentorship program within the Internal Medicine Residency.
- Internal Medicine Interest Group: medical student run interest group that pairs medical students with current Internal Medicine residents.

Small group teacher

9/2014-1/2015

UCSF School of Medicine

- Small group discussion leader in Pulmonology and teaching assistant for Microbiology for first and second year medical students.

PUBLICATIONS

Weinfurtner K, Cho J, Ackerman D, Chen JX, Woodard A, Li W, Ostrowski D, Soulen MC, Dagli M, Shamimi-Noori S, Mondschein J, Sudheendra D, Stavropoulos SW, Reddy S, Redmond J, Khaddash T, Jahla D, Siegelman ES, Furth EF, Hunt SJ, Nadolsi GJ, Kaplan D, Gade TPF. Variability in biopsy quality limits clinical research applications in hepatocellular carcinoma. Submitted to *Scientific Reports* July 2020.

Weinfurtner K, Reddy KR. Hepatitis C viraemic organs in solid organ transplantation. *J Hepatol*. 2020 Nov;S0168-8278(20)33767-3. Online ahead of print.

Weinfurtner K, Dodge J, Yao F, Mehta N. Effect of nonalcoholic fatty liver disease and metabolic risk factors on waitlist outcomes in patients with hepatocellular carcinoma. *Transplant Direct*. 2020;6(10):e605.

Weinfurtner K, Forde K. Hepatopulmonary syndrome and portopulmonary hypertension: Current status and implications for liver transplantation. *Curr Hepatol Rep*. 2020 Sep;19(3):174-185.

Wong JC, **Weinfurtner KM**, Alzamora Mdel P, Kogan SC, Burgess MR, Zhang Y, Nakitandwe J, Ma J, Cheng J, Chen SC, Ho TT, Flach J, Reynaud D, Passequé E, Downing JR, Shannon K. Functional evidence implicating chromosome 7q22 haploinsufficiency in myelodysplastic syndrome pathogenesis. *Elife*. 2015; 4.

Weinfurtner K, Graves J, Ness J, Krupp L, Milazzo M, Waubant E. Prolonged remission in neuromyelitis optica following cessation of rituximab treatment. *J Child Neurol*. 2015 Sep; 30(10):1366-70.

Graves J, Grandhe S, **Weinfurtner K**, Krupp L, Belman A, Chitnis T, Ness J, Weinstock-Guttman B, Gorman M, Patterson M, Rodriguez M, Lotze T, Aaen G, Mowry EM, Rose JW, Simmons T, Casper TC, James J, Waubant E. Protective environmental factors for neuromyelitis optica. *Neurology*. 2014 Nov 18; 83(21):1923-9.

Wong JCY, Zhang Y, Lieuw K, Tran M, Forgo E, **Weinfurtnr K**, Alzamora P, Kogan S, Akagi K, Wolff L, Le Beau M, Killeen N, and Shannon K. Use of chromosome engineering to model a segmental deletion of chromosome band 7q22 found in myeloid malignancies. *Blood* 2010; 115:4524-4532.

ABSTRACTS AND POSTERS

Weinfurtnr K, Crainic J, Li W, Ackerman D, Hunt SJ, Nadolski GJ, Kaplan DE, and Gade TPF. GM-CSF and IL-3 expression increases immune engraftment and tumor infiltration in a humanized patient-derived xenograft model of hepatocellular carcinoma. Submitted to AASLD Liver Meeting 2021.

Weinfurtnr K, Cho J, Ackerman D, Woodard A, Li W, Cho J, Soulen MC, Dagli M, Shamimi-Noori S, Mondschein J, Sudheendra D, Stavropoulos SW, Reddy S, Redmond J, Khaddash T, Jahla D, Siegelman ES, Furth EF, Hunt SJ, Nadolsi GJ, Kaplan D, Gade TPF. Quality of large volume percutaneous core biopsies of hepatocellular carcinoma for research applications. SIR Annual Meeting March 2021; Poster presentation.

Weinfurtnr K, Cho J, Ackerman D, Woodard A, Soulen MC, Dagli M, Shamimi-Noori S, Mondschein J, Sudheendra D, Stavropoulos SW, Reddy S, Redmond J, Khaddash T, Jahla D, Siegelman ES, Furth EF, Hunt SJ, Nadolsi GJ, Kaplan D, Gade TPF. Safety and quality of large volume percutaneous core biopsies of hepatocellular carcinoma. AASLD Liver Meeting November 2020; Poster presentation: abstract 1072.

Weinfurtnr K, Dodge J, Yao F, Mehta N. Effect of non-alcoholic fatty liver disease and metabolic risk factors on waitlist outcome in patients with hepatocellular carcinoma. AASLD Liver Meeting November 2017; Poster presentation: abstract 1702.

Weinfurtnr K, Graves J, Mowry E, Krupp L, Tanuja C, Yeh EA, Rodriguez M, Ness J, Belman A, Patterson M, Gorman M, Weinstock-Guttman, B, James J, and Waubant E. Risk factors for transverse myelitis compared with multiple sclerosis, neuromyelitis optica, and other neurologic disorders in pediatric patients. CMSC-ACRIMS conference June 2013; Poster presentation: abstract P11.

Weinfurtnr K, Graves, J, Mowry E, Krupp L, Belman A, Milazzo M, James J, and Waubant E. Risk factors for transverse myelitis compared with multiple sclerosis, neuromyelitis optica, and other neurologic disorders in pediatric patients. American Academy of Neurology conference March 2013; Poster presentation: abstract P02.121.

Weinfurtnr K, Waubant E. Prolonged remission in two NMO patients after induction of rituximab discontinuation: induction of tolerance? American Academy of Neurology conference March 2013; Poster presentation: abstract P02.142.

Wong J, **Weinfurtnr K**, Zhang Y, Alzamora P, Hwang E, Kogan K, and Shannon K. Heterozygous germline deletion of a 2Mb interval in mice that models loss of 7q22 in human myeloid malignancies results in defective hematopoietic stem cell function reminiscent of premature aging. American Society of Hematology conference December 2011; Poster presentation: abstract 2340.

ORAL PRESENTATIONS/INVITED TALKS

June 16, 2021:

University of Pennsylvania, Department of Gastroenterology and Hepatology
Grand Rounds, Fellows Research Presentation

Topic: Development of humanized patient-derived xenograft models of hepatocellular carcinoma

June 11, 2021:

University of Pennsylvania, Department of Radiology
Pendergrass Symposium

Topic: Tumor engraftment and immune infiltration in humanized patient-derived xenograft models of hepatocellular carcinoma.

May 25, 2021:

University of Pennsylvania, Department of Gastroenterology and Hepatology
Liver Biology Club

Topic: Patient-derived models of hepatocellular carcinoma: humanized xenograft mouse models

May 17, 2021:

University of Pennsylvania, Department of Gastroenterology and Hepatology
Clinical Case Conference

Topic: Status epilepticus in setting of severe hepatic encephalopathy

September 16, 2020:

University of Pennsylvania, Department of Gastroenterology and Hepatology
Clinical Case Conference

Topic: Diagnosis and management of hepatic sarcoidosis

June 17, 2020:

University of Pennsylvania, Department of Gastroenterology and Hepatology
Grand Rounds, Fellows Research Presentation

Topic: Leveraging patient-derived models to inform precision medicine in hepatocellular carcinoma

December 11, 2019:

University of Pennsylvania, Department of Gastroenterology and Hepatology
Clinical Case Conference

Topic: Malignancy associated with Meckel's diverticulum

September 18, 2019:

University of Pennsylvania, Department of Gastroenterology and Hepatology
Clinical Case Conference

Topic: Blue Rubber Bleb Nevus Syndrome

