

ELIZABETH KEISER MD MPH

EDUCATION

2019-2020	MD Anderson Cancer Center , Department of Pathology Research: Digital pathology, machine learning, QA/QI of melanocytic lesions MD Anderson Department Chair Funds for Mentored Research in squamoid eccrine ductal carcinoma	<i>Dermatopathology Fellow</i>
2018-2019	Stanford University School of Medicine , Department of Pathology	<i>Surgical Pathology Fellow</i>
2015-2018	University of California, San Francisco (UCSF) , Department of Pathology	<i>Anatomic Pathology Resident</i>
2010-2015	University of California, San Diego (UCSD) School of Medicine	M.D.
2011-2013	SDSU Graduate School of Public Health, Joint Program with UCSD Thesis: <i>Social Determinants of Female Sex Worker STI and HIV Knowledge in Tijuana, MX.</i>	M.P.H. in Epidemiology
2008-2009	Bryn Mawr College	<i>Postbaccalaureate Premedical Program</i>
2002-2005	Wellesley College (transferred after first year at UC Berkeley) Financial theories, Econometrics, Multi-Variable Calculus, Linear Algebra, Urban Economics, Microeconomics Thesis: <i>The Economics of Urban Agglomeration</i> , advised by Chip Case of S&P Case Shiller Housing Index	B.A. in Economics with Honors
2003-2004	London School of Economics , Economics Department European Economic Analysis, Intermediate Macroeconomics, Psychology	<i>Junior Year Abroad</i>

AWARDS, HONORS, AND BOARD CERTIFICATIONS

10/2020	Dermatopathology Board Certified by the American Board of Pathology (ABP)
2019-2020	MD Anderson Department Chair Funds for Mentored Research
6/2018	Anatomic Pathology Board Certified by the American Board of Pathology (ABP)
2016	American Society of Dermatopathology (ASDP) Mentorship Award
2011-2012	Medical Students' Sustained Training & Research Experience in Aging & Mental Health (M-STREAM) (NIMH)
2003-2004	London School of Economics Concerto Competition Winner, Flute

PROFESSIONAL EXPERIENCE

2023-present	Veterans Affairs Medical Center , VA San Diego Healthcare System, Staff Dermatopathologist
2022-2024	Sharp Rees-Stealy Medical Group , San Diego, Dermatopathologist
2020-2022	Department of Pathology, Virginia Mason Medical Center , Seattle, Dermatopathology & Surgical Pathology
2009-2010	Department of Dermatology, Stanford School of Medicine , Palo Alto, Research assistant in Dr Jean Tang lab Epidemiological research on vitamin D and skin cancer prevention (NHANES and Women's Health Initiative)
2008-2009	Pennsylvania Oncology Hematology Associates, University of Pennsylvania , Philadelphia, Research assistant
2005-2007	HSBC Corporate Investment Banking & Markets , London UK & Geneva CH, Analyst Graduate Training Program HSBC Corporate Finance, Advisory , Financial Institutions Group (2005) HSBC Global Markets (2007) HSBC Group Private Bank (GPB) (2006-2007)

PROFESSIONAL MEMBERSHIPS

American Society for Dermatopathology (ASDP)
ASDP Finance Committee (2019-20) and Ethics Committee (2020-21)
College of American Pathologists (CAP)
American Medical Association (AMA)
American Society for Laser Medicine & Surgery (ASLMS)

INTERESTS

Bichon Frise dogs, classical music, flute, snow-skiing, chocolate, QA/QI, machine learning, medical aesthetics

MANUSCRIPTS

1. **Keiser E**, Linos E, Kanzler M, Lee W, Sainani KL, Tang JY. Reliability and prevalence of digital image skin types (DIST) in the US: Results from National Health and Nutrition Examination Survey 2003-04. *J Am Acad Dermatol.* 2012 Jan;66(1):163-5.
2. Linos E, **Keiser E**, Fu T, Colditz G, Chen S, Tang JY. Hat, shade, long sleeves, or sunscreen? Rethinking sun protection messages based on their relative effectiveness in the US population. *Cancer Causes and Control.* 2011 July;22(7):1067-71.
3. Bruckner AL, Bedocs L, **Keiser E**, Tang JY, Doernback C, Arbuckle A, Berman S, Kent K, Bachrach L. Correlates of low bone mass in patients with generalized forms of epidermolysis bullosa. *Journal of American Academy of Dermatology. J Am Acad Dermatol.* 2011 Nov;65(5):1001-9.
4. Tang JY, Spaunhurst K, Chlebowski RT, Wactawski-Wende J, **Keiser E**, Anderson M, Thomas F, Anderson ML, Zeitouni N, Larson JC, Stefanick M. Menopausal Hormone Therapy and Risks of Melanoma and Nonmelanoma Skin Cancers: Women's Health Initiative Randomized Trials. *J Natl Cancer Inst.* 2011 Oct 5;103(19):1469-75.
5. Linos E, **Keiser E**, Kanzler M, Sainani KL, Lee W, Tang JY. Effect of sun protective behaviors on vitamin D levels in the US population: NHANES 2003-2006. *Cancer Causes Control.* 2012 Jan;23(1):133-40.
6. Fu T, **Keiser E**, Linos E, Rotari RM, Sainani K, Lingala B, Lane AT, Tang JY. Eczema and sensitization to common allergens in the United States: a multiethnic, population-based study. *Pediatr Dermatol.* 2014 Jan;31(1):21-6.
7. González-Farré M, Ronen S, **Keiser E**, Prieto VG, Aung PP. Three Types of Nodal Melanocytic Nevi in Sentinel Lymph Nodes of Patients With Melanoma: Pitfalls, Immunohistochemistry, and a Review of the Literature. *Am J Dermatopathol.* 2020 Oct;42(10):739-744.
8. Ronen S, **Keiser E**, Collins KM, Aung PP, Nagarajan P, Tetzlaff MT, Curry JL, Ivan D, Prieto VG, Hymes S, Medeiros LJ, Torres-Cabala CA. Langerhans cell sarcoma involving skin and showing epidermotropism: A comprehensive review. *J Cutan Pathol.* 2021 Apr;48(4):547-557.
9. Ronen S, Al-Rohil RN, **Keiser E**, Jour G, Nagarajan P, Tetzlaff MT, Curry JL, Ivan D, Middleton LP, Torres-Cabala CA, Gershenwald JE, Aung PP, Prieto VG. Discordance in Diagnosis of Melanocytic Lesions and Its Impact on Clinical Management. *Arch Pathol Lab Med.* 2021 Dec 1;145(12):1505-1515.

INVITED PRESENTATIONS

1. **Keiser E**, Linos E, Kanzler M, Lee W, Sainani KL, Tang JY. Skin color in the US population: An analysis of the distribution and validity of dermatologist-assessed Fitzpatrick skin type, *American DermatoEpidemiology Network (ADEN) at Society for Investigative Dermatology, Atlanta, GA, May 2010.*
2. **E Keiser**, G Gaskins, A Naklowycz, T Mully, M Keiser. A Convolutional Approach to Automating Histopathologic Detection of Melanocytic Atypia: Bridging the Gap. *March 2018 United States and Canadian Academy of Pathology Annual Meeting.*
3. **E Keiser**, S Ronen, M Tetzlaff, C Torres-Cabala, R Durel, A Lucci, K Holbrook, H Tawbi, P Nagarajan. Multifocal blue nevus type melanoma arising in association with blue nevus. *October 2019 American Society for Dermatopathology Annual Meeting.*

PUBLISHED ABSTRACTS

1. **Keiser E**, Linos E, Kanzler M, Lee W, Sainani KL, Tang JY. Skin color in the US population: An analysis of the distribution and validity of dermatologist-assessed Fitzpatrick skin type, *Journal of Investigative Dermatology*, Vol 130, S1, April 2010, pg S66.
2. Linos E, **Keiser E**, Kanzler M, Sainani KL, Lee W, Tang JY. Effect of sun protective behaviors on vitamin D levels in the US population: NHANES 2003-2006, *Journal of Investigative Dermatology, epub 2010.* Vol 130, S1, April 2010, pg S62.
4. Bruckner AL, **Keiser E**, Bedocs L, Doernback C, Arbuckle A, Berman S, Kent K, Bachrach L. Bone mass, compression fractures, and associated risk factors in patients with epidermolysis bullosa, *Journal of Investigative Dermatology, epub 2010.* Vol 130, S1, April 2010, pg S52.
5. **E Keiser**, A Naklowycz, MM Chren, E Linos, T Mully. Number Needed to Biopsy, a potential benchmark for clinician biopsy guidelines. *October 2016 American Society for Dermatopathology Annual Meeting.*
7. **E Keiser**, T Mully, B Hinds. Relapsed EBV-associated polymorphic B-cell posttransplant lymphoproliferative disorder presenting as a solitary subcutaneous nodule. *October 2016 American Society for Dermatopathology Annual Meeting.*
8. **E Keiser**, T Mully, A Naklowycz, M Keiser, MM Chren, E Linos. Factors Affecting Accuracy of Clinical Diagnosis of Suspected Cutaneous Melanomas, a 5-Year Retrospective Study of 17,669 Melanomas. *March 2017 United States and Canadian Academy of Pathology Annual Meeting.*
9. **E Keiser**, G Gaskins, A Naklowycz, T Mully, M Keiser, K Rieger. A Convolutional Approach to Automating Histopathologic Detection of Melanocytic Atypia. *October 2017 American Society for Dermatopathology Annual Meeting, supported by ASDP Mentorship Award.*