



The Asian Society for Psoriasis, Since 2019



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**Institution and Location**

- 1998 A.B., Biochemical Sciences, Harvard University, Cambridge, MA,
- 2002 Clinical Research Training Fellowship, Cancer Genomics, NHGRI, NIH, Bethesda, MD
- 2003 M.D., Medicine, Harvard Medical School, Boston, MA
- 2004 Internship, Internal Medicine, Washington Hospital Center, Washington, DC
- 2007 Residency, Dermatology, University of California, San Francisco,
- 2007 Postdoctoral, Human Genetics, University of California, San Francisco

**Positions and Scientific Appointments**

- 2023-present Councilor, International Psoriasis Council
- 2020-2023 Vice Chair of Research, Department of Dermatology, University of California San Francisco
- 2022-present Co-Chair, GRAPPA (Group for Research and Assess. of Psoriasis and PsA) Research Committee
- 2022-present Network Investigators Committee, NIH Accelerating Medicines Partnership (AMP-AIM) Program
- 2021-present Program Co-Director, UCSF T32 Physician-Scientist Dermatology Training Grant
- 2019-present Professor, University of California San Francisco
- 2018-2022 Chair, National Psoriasis Foundation Scientific Advisory Committee
- 2017-present Founder and Director, UCSF-Kenya Phototherapy Center
- 2014-2019 Associate Professor, University of California San Francisco
- 2015-present Director, UCSF Psoriasis and Skin Treatment Center
- 2014-present Faculty Member, UCSF Institute for Human Genetics
- 2014-present Faculty Member, UCSF Biomedical Sciences (BMS) Graduate Program
- 2014-present Faculty Member, UCSF Pharmaceutical Sciences and Pharmacogenomics Graduate Program
- 2013-present Editorial Boards: Genes and Immunity; Dermatology and Therapy
- 2012-present Grant review committees: Prior standing member, NIH Arthritis, Connective Tissue and Skin Study Section (ACTS); Member, NIH Arthritis and Musculoskeletal and Skin Diseases (AMS); Member, NIH Genetics of Health and Disease Study Section (GHD); Member, NIAID U19 review; Standing member, UCSF Molecular Medicine Resource Allocation Grants Program (RAP); Chair, National Alopecia Areata Foundation Research Committee; Member and Previous Chair, National Psoriasis Foundation Research Grants Review Committee
- 2008-present Journal reviewer: Nature Communications; PLoS Genetics; BMC Genomics; Genomics; Journal of Medical Genetics; Journal of Investigative Dermatology; JAMA Dermatology; Journal of the American Academy of Dermatology; Journal of the European Academy of Dermatology and Venereology; British Journal of Dermatology; Archives of Dermatological Research; Journal of Dermatological Science; Journal of Dermatological Treatment; Pediatric Dermatology; Human Immunology
- 2007-2014 Assistant Professor, University of California San Francisco
- 2007 Diplomate, American Board of Dermatology

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**Personal Statement**

I am a dermatologist and human geneticist who has contributed to the identification of over 30 novel psoriasis susceptibility genes (published in *Nature Genetics*, *Nature Communications*, *PLoS Genetics*, *American Journal of Human Genetics*, *Science*, *PNAS*, *Journal of Investigative Dermatology*). I serve as Director of the UCSF Psoriasis and Skin Treatment Center and direct the UCSF Inflammatory Skin Disease Biobank where we have collected biosamples and matched clinical information from over 1,200 subjects with psoriasis. I currently serve as Co-Principal Investigator for Psoriatic Disease Team of the NIH Accelerating Medicines Partnership Autoimmune and Immune-Mediated Diseases (AMP-AIM) Consortium. I have contributed to the publication of five GWAS in psoriasis and performed over 50 genetic, epigenetic, transcriptomic, proteomic, and microbiome studies in psoriasis. My lab has significant experience in bioinformatic and machine learning analysis of single cell RNA-seq, CITE-seq, 16s and metagenomic microbial profiling, and digital spatial RNA profiling. In 2020, I was selected to deliver the Eugene M. Farber Lecture in Psoriasis at the Society for Investigative Dermatology annual meeting. I currently serve as Co-Chair of the GRAPPA (Group for Research and Assessment of Psoriasis and Psoriatic Arthritis) Research Committee, serve as a Councilor for the International Psoriasis Council, and serve as member and immediate past Chair of the National Psoriasis Foundation Scientific Advisory Committee. Ongoing and recently completed projects that I would like to highlight include:

**Complete List of Published Work in MyBibliography (200 Peer-Reviewed):**

<https://www.ncbi.nlm.nih.gov/myncbi/wilson.liao.1/bibliography/public/>

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