
SUNJYA K. SCHWEIG, MD

LICENSURE

- 2/1/2014 **Board Certified in Integrative and Holistic Medicine**
- 8/1/2007 **Board Certified in Family Practice**
- 11/30/2005 **Physician and Surgeon, The Medical Board of California**

EDUCATION

- 6/2004-7/2007 **UCSF Santa Rosa Family Practice Residency Program**
Resident with primary responsibility for hospital and outpatient clinic patients. Served as Chief Resident in Internal Medicine, Obstetrics, and Pediatrics. Founded Integrative Medicine Fellowship.
- 8/2000-6/2004 **University of California, Irvine College of Medicine**
Doctor of Medicine, with honors. Full four year scholarship.
- 1/1992-6/1996 **University of California, Berkeley**
Bachelor of Arts, Medical Anthropology and Religious Studies.

PROFESSIONAL EXPERIENCE

- 11/2022-Current **Miri Health**
Advisor

Advisor for AI health and wellness startup focusing on interface of tech and wellness. Assisted with many aspects of launch and iteration, especially product market fit and user experience (UX). Trained large language model (LLM) and worked closely with Miri team create a functional medicine bot. www.miri.ai

- 1/2021-Current **Functional Medicine Research and Technology Center**
Founder and Executive Director

Founded 501(c)(3) organization with mission to prevent and reverse chronic illness. Focused on research, education, and innovation to help people with complex chronic illnesses recover their health. Building tech and data driven ecosystem for optimal chronic care management.

4/2019-12/2022 **LifeOmic**

Advisor

Provided advisory services for strategic development, clinical implementation, and growth for LifeOmic. Help to deploy Precision Health Cloud (PHC) cloud platform in functional medicine practice and first responder health intervention to integrate and surface critical interrelationships between data from disparate sources.

10/2018-5/2019 **HHS Office of the CTO**

Data Sprint Team Leader

Participated in The Opportunity Project (TOP) data sprint. Led team to develop cutting edge data collection app and data visualizations for patients with complex chronic illnesses. Presented at Government Tech Day in Washington DC, May 2019.

10/2017-Current **Protect Wellness First Responder Programs**

Program Founder and Lead

Developed and implemented comprehensive Protect Wellness Program to mitigate occupational risks, morbidity, and mortality for first responders. Cohorts have included departments in California and the State of Washington. Educate firefighters and police officers on core lifestyle interventions including nutrition, sleep, stress, metabolic health, and cancer reduction. Goal is to lower the elevated risk of chronic illness, especially mental/behavioral health, cardiovascular, and cancer. Includes comprehensive multiomic data gathering, analysis, and visualization documenting significant subjective and objective improvements.

12/2016-Current **Clyme Health**

Co-founder and Chief Medical Officer

Developing next generation tool for tracking symptoms and treatments in patients with chronic illness. Platform will enable patients to easily collect and analyze health data to gain actionable insights that can be utilized by their doctor and medical care team to improve outcomes. Winner of UC Berkeley/MIT Hackathon (2016), and AcademyHealth Health Equity Data Jam (2022).

12/2016-12/2018 **Vavici**

Member, Advisory Board

Provide advisory services for strategic development and growth for company working with thought leaders in obesity and diabetes to incorporate root cause and curative treatments. Vavici's mission is to enable physicians to go beyond disease prevention to disease reversal.

10/2016-11/2017 **International Lyme and Associated Disease Society (ILADS)**

Founder and Chair, Integrative Medicine Committee

Developed integrative medicine didactics and Fundamentals Course for ILADS Annual Conference. Oversaw physician curriculum development and implementation, presented at 11/2017 meeting, and moderated integrative medicine breakout sessions.

12/2015-Current **Bay Area Lyme Foundation**

Member, Advisory Board and Scientific Advisory Board

Guide policy and scientific decision making for 501(c)(3) public charity funder of Lyme disease research. Foundation focuses on identifying, funding and fostering new and innovative research to accelerate the development of new diagnostics and treatments for Lyme disease.

10/2014-Current **California Center for Functional Medicine**

Founder and President

Founder and Director of busy integrative medicine clinic serving patients with complex, chronic health conditions. Provide high-tech and high-touch care aimed at building an innovative care ecosystem for optimal management of patients with chronic illness globally. Train, manage and supervise staff and five practitioners.

9/2009-9/2010 **Kaiser Permanente Medical Group**

Integrative Medicine Liaison, Santa Rosa, CA

Trained physicians and staff in biofeedback and stress reduction techniques. Led biofeedback training module at Physician Wellness Day. Recruited for position as Chief of Complementary and Alternative Medicine (CAM).

1/2008-10/2012 **UCSF Integrative Medicine Clinic Founder and Teaching Faculty**

Integrative Medicine Faculty at the UCSF Santa Rosa Family Practice Residency Program

Founded and led integrative medicine consultation residency clinic. Responsible for patient care and resident teaching and supervision. Designed and implemented integrative medicine curriculum. Developed and founded Integrative Medicine Fellowship for residency program.

9/2007-12/2013 **Private Practice Specializing in Integrative Medicine**

Integrative Medicine Specialist, Petaluma and Santa Rosa, CA

Provided medical care to a wide variety of patients at two different Integrative Medicine specialty practices. Full spectrum Integrative and Functional Family Medicine.

1/2004-12/2011 **Integrative Medical Solutions**

Research Assistant, Petaluma, CA

Research assistant for integrative physician providing personalized medical literature searches and patient advocacy services.

5/2003-3/2004 **CAM Leadership Training Program**

Student Leader, Rhinebeck, NY and Irvine, CA

Selected as one of 20 US medical students to attend the Complementary and Alternative Medicine (CAM) Leadership Training Program at the Omega Institute in New York. Developed skills to become a leader in the field. Received a National Institute of Health grant to organize a student conference in alternative medicine at UC Irvine.

6/1998-12/1999 **Cornell University, Department of Nutritional Science**

Laboratory Technician, Ithaca, NY

Supervised a study on multivitamin use and Immunoglobulin A levels in human breast milk. Managed \$50,000 budget. Led recruitment efforts in Ithaca prenatal community. Trained five undergraduate research assistants. Supervised an in vivo nutrition study on the effects of high fat diet on reproduction and lactation.

1/1997-7/1997 **Reproductive Technologies**

Health Worker, Berkeley, CA

Managed sperm bank shipping, storage and laboratory. Taught fertility awareness classes on artificial insemination. Responsible for all Spanish-speaking clients.

RESEARCH EXPERIENCE

11/2017-Current **Johns Hopkins University**

Researcher and Co-Principal Investigator

Received \$79,250 grant to investigate anti-microbial activity of selected natural and herbal antimicrobial compounds with Dr. Ying Zhang. Experimental model investigates activity of compounds against both log and stationary growth phases of bacterial pathogens to better understand persister biology and treatments. As of 9/2022, our first publication, "Evaluation of Natural and Botanical Medicines for Activity Against Growing and Non-growing Forms of *B. Burgdorferi*?" had more than 71K views, more than 99% of all previous articles in Frontiers journals.

- Feng, J., Leone, J., Schweig, S., & Zhang, Y. (2020). Evaluation of Natural and Botanical Medicines for Activity Against Growing and Non-growing Forms of *B. Burgdorferi*. *Frontiers in Medicine*, 7. <https://doi.org/10.3389/fmed.2020.00006>
- Zhang, Y., Alvarez-Manzo, H., Leone, J., Schweig, S., & Zhang, Y. (2021). Botanical Medicines *Cryptolepis sanguinolenta*, *Artemisia annua*, *Scutellaria baicalensis*, *Polygonum cuspidatum*, and *Alchornea cordifolia* Demonstrate Inhibitory Activity Against *Babesia duncani*. *Frontiers in Cellular and Infection Microbiology*, 11. <https://doi.org/10.3389/fcimb.2021.624745>
- Ma, X., Leone, J., Schweig, S., & Zhang, Y. (2021). Botanical Medicines With Activity Against Stationary Phase *Bartonella henselae*. *Infectious Microbes and Diseases*, 3(3), 158–167. <https://doi.org/10.1097/im9.0000000000000069>

8/2003-5/2004 **California Academy of Family Physicians (CAFP)**

Medical Student Researcher, Irvine, CA

Selected as one of three California medical students to receive grant from CAFP. Studied health perceptions in patients treated with traditional allopathic medicine vs. integrative medicine.

7/1997-5/1999 **Child Family Health International**
International Coordinator and Researcher, Ecuador, South America

Assisted with rural and urban surgeries in mobile surgical unit. Delivered primary care in rural clinics. Received grant to evaluate cultural health beliefs among Ecuadorian patients and doctors. Project named as a NAFSA 2003 Model Program.

VOLUNTEER EXPERIENCE

4/2022-Current **Health+ Long COVID Project (Coforma/HHS)**

Subject-matter Expert and Advisor

Subject-matter expert for Health+ Long COVID human centered design project aimed at creating awareness and solutions for people with long COVID. Sponsored by the U.S. Department of Health and Human Services (HHS) under the Office of the Assistant Secretary for Health. The Health+ Long COVID cycle was informed by the Biden administration's presidential memorandum "Addressing the Long-Term Effects of COVID-19."

2/2018-Current **AMS Management Group**

Integrative Medicine Advisory Panel Member

Founding member of panel that serves to advise AMS with regards to best practices and evidence based practice of integrative and functional medicine.

3/2016-3/2017 **University of California/MIT Medical Hack-A-Thon**

Competition Judge and Preceptor, Berkeley, CA

Provided expert guidance and coaching to hack-a-thon teams. Served as panel judge during competition. Continue to work closely with winning team to develop and bring to market next generation tool for tracking symptom and treatments in patients with chronic illness.

9/2009-Current **Touro University College of Osteopathic Medicine**

Adjunct Clinical Faculty, Vallejo, CA

Precept osteopathic medical student outpatient integrative/functional medicine clinical rotations.

6/2007-10/2012 **University of California San Francisco (UCSF)**

Volunteer Clinical Faculty, Santa Rosa and Petaluma, CA

Precepted and taught UCSF Family Medicine resident physician family practice and integrative medicine rotations.

1/2003-7/2003 **Orange County Academy of Family Physicians (OCAFP)**

Medical Student Representative to the Board of Directors, Irvine, CA

Represented student interests to the OCAFP board of directors.

10/2001-6/2004 **UC Irvine Complementary and Alternative Medicine Taskforce**

Taskforce Member, Irvine, CA

Developed CAM training and funding at UC Irvine School of Medicine.

9/2001-5/2002 **UC Irvine Department of Family Medicine**

Family Medicine Interest Group (FMIG) Co-leader, Irvine, CA

Organized and led regular FMIG meetings.

8/2001-3/2003 **UC Irvine College of Medicine**

Leader of electives in Complementary and Alternative Medicine (CAM) topics, Irvine, CA

Organized College of Medicine CAM electives. Courses included: Introduction to Oriental Medicine, Introduction to Manual Therapies, and Introduction to Dietary Supplements.

2/2001-2/2004 **California Academy of Family Physicians (CAFP)**

Student Advisor, Irvine and Oakland, CA

Advised students entering leadership positions with CAFP. Planned and organized annual student conference and residency fair.

Southern California Student President

Member of the CAFP Board of Directors. Voting member of the Congress of Delegates.

Medical Student and Resident Affairs Committee Member

Represented student and resident interests at State level meetings.

11/2000-6/2004 **Susan Samueli Center for CAM**

Board Member, Irvine, CA

Appointed as student representative to Advisory Board at UC Irvine CAM center.

1/1997-7/1997 **Berkeley Primary Care Access Clinic**

Medical Assistant, Berkeley, CA

In charge of patient intake at busy urban clinic. Obtained vital signs and chief complaint.

1/1995-6/1996 **The Suitcase Clinic**

Volunteer, Berkeley, CA

Obtained detailed medical and social histories from patients at free clinic operated by UCSF and UC Berkeley physicians and students. Surveyed patients on satisfaction, effectiveness of services.

AWARDS RECEIVED

© AcademyHealth Health Equity Data Jam Winner, 2022

© \$79,250 research grant from the Bay Area Lyme Foundation for Johns Hopkins project, 2017.

© Full four-year scholarship at UC Irvine School of Medicine.

© Mackenzie Scholarship for leadership and dedication to primary care in 2002 and 2003.

© NIH/American Medical Student Association leadership program grant.

© \$2500 research grant from the California Academy of Family Practice.

© \$6000 grant from NAFSA: Association of International Educators to research cross-cultural health issues in Ecuador.

© \$2500 grant from the International Lyme and Associated Disease Society to undergo in-depth preceptorship training in Lyme Disease.

INTERESTS

My favorite place is outdoors hiking, camping and traveling. I also enjoy playing drums and playing live with my band.

I naturally am drawn to tech and love to play in AI, Health 2.0, mHealth, wearables, health technology, and data visualization.

LANGUAGES

Fluent spoken and written Spanish. Beginning French.