

Steven J. Harris, M.D.
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SUMMARY Board Certified Family Practitioner with a focus on Lyme disease and associated tick-borne illnesses as well as international medicine and under-served populations. Experience includes training in rural medicine of the developing world; urgent care; integrative medicine; and public health.

TRAINING

UNIVERSITY OF ILLINOIS/RAVENSWOOD FAMILY MEDICINE: CHICAGO, IL

- Board certified in Family Medicine Sept. 2000. Recertified Aug. 2007, 2014
- Permanent medical license in California #A72195.

INTERNATIONAL LYME & ASSOCIATED DISEASES SOCIETY

- Training grant: worked with Dr. Charles Ray Jones, pediatric Lyme disease, 2005.

EDUCATION

HOWARD UNIVERSITY/ HOWARD UNIVERSITY COLLEGE OF MEDICINE

- Completion of requirements for Doctor of Medicine, **June 1997**.

UNIVERSITY OF CALIFORNIA AT LOS ANGELES

- Bachelor of Arts degree in development studies and history, Dean's List, **June 1992**.

PORTLAND STATE UNIVERSITY / FOREIGN STUDY PROGRAM: BARCELONA, SPAIN

- Four month period of studies in international economics, Spanish and Portuguese history and advanced Spanish language, June 1990.

DOMESTIC EXPERIENCE

Private Practice

PRIVATE PRACTICE, Foster City, CA	2017-present
PRIVATE PRACTICE, Redwood City, CA	2007-2017
PRIVATE PRACTICE, Nevada City, CA	2004-2007
PRIVATE PRACTICE, Fairfield, CA	2002-2004
PRIVATE PRACTICE, San Diego, CA	2001-2002
PRIVATE PRACTICE, Long Beach, CA	2001-2006
PRIVATE PRACTICE, Palo Alto, CA	2005-2007
PRIVATE PRACTICE, Malibu, CA	2001 - 2010

IGENEX, INC., Palo Alto, CA

- Clinical consultant for a highly specialized Lyme reference laboratory. Created practice protocols for physicians to induce antigenuria in patients, enabling greater detection of infection.

DR. YANG'S FAMILY CARE, INC., Santee, CA**2000 - 2001**

- Anchored the nation's only non-profit Lyme and other tick-borne disease clinic. Functioned as a primary care provider to high-risk populations.
- Received training in Lyme disease from Dr. Therese Yang, Dr. Richard Horowitz, Dr. Greg Bach, Dr. Nick Harris, & Dr. Joseph Burrascano.

Urgent Care* KAISER PERMANENTE MEDICAL GROUP,*Walnut Creek, Vacaville, CA****2003 - 2004****SHARP REES-STEALY MEDICAL GROUP, San Diego, CA****2000 - 2003**

- Staff physician in a high-volume urgent care network. Managed various orthopedic, ophthalmologic, cardiopulmonary, mental health and common complaints.

ADVOCATE HEALTH SYSTEMS, Chicago, IL**1999 - 2000**

- Staff physician. Treated occupational injuries, minor trauma, dermatological problems and pediatric diseases.

INTERNATIONAL EXPERIENCE***Rural Medicine*****DE SALUD DE RIO BENI, Rurrenabaque****PROYECTO****Bolivia**

- Administered primary health care to indigenous, rural populations in the Amazon basin, acting as their principle link to health services. Duties also included preventive care training and coordination with other development organizations. Annual month-long trip 1999-2003.

ECOFORESTRY SERVICES FOR FARMERS, Santo Domingo**Paraguay**

- Performed physical exams and instruction on health education and emergency preparedness to villagers of a remote community, October 1996.

SOTUTA AND YAXCABA RURAL HEALTH CLINICS, Yucatan**Mexico**

- Assisted rural physicians in primary care of Mayan Indians. Participated in home visits, national health drives, grassroots women's health groups and regional health surveys for eight months, 1992-93.

RESEARCH

Lyme Disease Polymerase Chain Reaction, 1992, 1994-5

- The application of newly utilized primers in clinical PCR tests.
- Procedure for inactivating PCR replicons using ultraviolet light.

Neuroborreliosis, 2006

- Pilot study to establish predicted clinical outcomes with IV antibiotics in patients with apparent Multiple Sclerosis.

Western Blot, 2006

- Antibody band specificity to *Borrelia burgdorferi* as antigens in CDC characterized samples.

Bcell Activation, 2011-current

- Assessing HLA subpopulations who have current symptoms of Lyme, a clear diagnosis of Lyme in the past and extensive treatment for immune patterns of B cell activation.

Lyme Treatment Study 2014-

- Evaluating Bio markers and response to treatment of loratidine and antibiotics in treatment of Lyme disease patients. Jayakumar Rajadas, Stanford University

Comprehensive Omics CFS Study 2017-

- Assisting Stanford Center for Genomics and Personalized Medicine in data collection and evaluation of comprehensive metabolomic and mitochondrial data on CFS patients.

International Medicine

Training Program Curriculum, 1999-2000

- Created and conducted a survey to leaders in the field in order to develop legitimate curriculum for family practice residency program training in international medicine.

Herbal Medicine

Yucatan, Mexico: Independent Research, 1993

- Investigated utilization patterns of medicinal herbs by Mayan Indians. Interpreted community attitudes toward traditional practices. Compiled ethnobotanical lists and cross-catalogued medicinal herbs in Mayan, Spanish and scientific nomenclature.

Nutrition

Yucatan, Mexico: Center for Advanced Investigations (CINVESTAV), 1993

- Worked with Gilberto Balam, M.D., Ph.D. Assessed cross-generational malnutrition in several villages in the milpero region of the Yucatan. Analyzed consumption practices and prevalence of horizontal enamel hyperplasia in frontal incisors. Conducted key informant interviews and focus groups. Processed data, tabulated results and helped advance further hypotheses.

Publications

1. Harris SJ. Lyme disease update: Treating the outdoorsman. *Men's Total Health Digest*. Sept/Oct 2002; 2(4):22-24.
2. Shah JS, Du Cruz I, Wronska D, Harris SJ, Harris NS. Comparison of specificity and sensitivity of IGeneX Lyme western blots using IGeneX criteria and CDC criteria for a positive Western blot. *Townsend Letter*. Apr 2007:129-135.
3. Harris SJ. In Strasheim, C (Ed.), *Insights into Lyme disease treatment* (pp. 31-54). 2009; South Lake Tahoe, CA: BioMed Publishing Group.
4. Kuhn M, Grave S, Bransfield R, Harris SJ. Long term antibiotic therapy may be an effective treatment for children co-morbid with Lyme disease and Autism Spectrum Disorder, *Medical Hypotheses*, 2012; 78(5): 606-615.
5. Cincotta A, Diprose E, Harris SJ et al. Tick-Borne infections: a possible link to chronic fatigue syndrome, Paper Presentation at the Pharmacy Australia Congress 2013 (Pac13), October 2013
6. Fass N et al. Dialogue: An Overview of Lyme Testing and Treatment. *Townsend Letter*. July 2015: 86-91
7. Harris SJ. In Strasheim, C (Ed.), *New paradigms in Lyme disease treatment* (Foreword). 2016; South Lake Tahoe, CA: BioMed Publishing Group.
8. Shah JS, Du Cruz I, Harris SJ. A Panel Approach for Diagnosing Borreliosis? *Townsend Letter*. Jan 2017: 44-46.

Selected Presentations

1. Harris SJ. "Lyme Disease and Multiple Sclerosis." Presented at the International Lyme and Associated Diseases Society (ILADS). November 2003, Philadelphia, PA.
2. Harris SJ. "Neuroborreliosis." Presented at the Multiple Sclerosis vs Lyme disease Seminar. June 5, 2004. Motel Eindhoven, Netherlands.
3. Harris SJ. Lyme disease presentation before the California Senate Select Committee on Health and Human Services. February 2004. Sacramento, CA.
4. Harris SJ, Caoli E, Lin Y, Shah JS. "Case Report: Patient with Babesia in Bone Marrow." Poster Presentation at the International Lyme and Associated Diseases Society Eighth Annual Scientific Conference. October 2007. Boston, MA.

5. Harris SJ. "Lyme Disease: Considerations in Diagnosis and Management." Presented at the Lyme-Induced Autism (LIA) Second Annual Lyme-Autism Connection Conference. June 27-29, 2008. Indian Wells, CA.
6. Harris SJ. "New advancements in Lyme Disease: Implications for Diagnosis and Treatment. Getting Healthy Again." California Lyme Disease Association (CALDA) Patient Community Conference. April 18, 2009. San Ramon, CA.
7. Harris SJ. "Psychiatric Manifestation of Lyme Disease." Presented at Department of Psychiatry and Behavioral Sciences Grand Rounds, Stanford University School of Medicine. April 2009.
8. Harris SJ. "Interpretations of the Western Blot." Presented for the Klinghardt Academy of Neurobiology. October 2009. Seattle, WA.
9. Harris SJ. "Lyme Disease: Considerations in Diagnosis and Management." Presented for the Klinghardt Academy of Neurobiology. October 2009. Seattle, WA.
10. Harris SJ. "Co-infections of Lyme Disease." Presented at the Academy for the Advancement in Medicine Lyme Disease Workshop. April 2010. San Diego, CA.
11. Harris SJ. "Lyme disease: Advanced Treatment Strategies." Presented at the International Lyme and Associated Diseases Society Annual Scientific Conference. October 2010. Jersey City, NJ.
12. Harris SJ. "The use of Parenteral Antibiotics in Lyme Disease." European International Lyme Disease Society, May 2012, Klagenfurt, Austria.
13. Harris SJ. "The Non-Pharmaceutical Management of Lyme Disease and Co-infections." Academy of Comprehensive Integrative Medicine. June 2013. Dallas, TX.
14. Harris SJ. "Management of Lyme Disease Patients." Presented at the International Lyme and Associated Diseases Society Conference Annual Scientific Conference. October 2013.
15. Harris SJ. "Three Standard Approaches to the Diagnosis and Treatment of Lyme Disease Patients." McManus Foundation. March 2015. Sydney, NSW.
16. Harris SJ. "Lyme Disease Diagnosis and Treatment." National Institute of Integrative Medicine. March 2015. Melbourne, Victoria.
17. Harris SJ. "A Team Approach to the Management of Lyme Disease." Forum for Integrative Medicine. March 2016. San Diego, CA
18. Harris SJ. "Lyme Disease: The Challenges in Diagnosis and Treatment of a Devastating Disease." Cavendish Global Health Impact Forum. February 2017. San Diego, CA

Memberships/Service

- American Academy of Family Physicians
- International Lyme and Associated Diseases Society (ILADS)
- Co-facilitator Board Building Offsite – ILADS 2004
- Physician Trainer/preceptor in Lyme Disease for ILADS training grant recipients. California Medical Association
- California Lyme Disease Association
- Board of Directors – California Lyme Disease Association 2003-2010
- American College for the Advancement of Medicine
- Scientific Advisory Committee QMEDRX 2004-2012 Chairman 2012

Additional Academic/Professional Experience

- Adjunct Professor, Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine 2017-present
- Consulting Associate Professor, Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine 2008-2017
- Have trained doctors from US, Canada, and Australia on two standards of care in persistent Lyme disease and on an integrative approach to the management of Lyme and co-infections.
- Contributor Patient Talk series on Lyme disease, 2017