CURRICULUM VITAE

**Date of Revision** April 24, 2024

**Appointment:** Professor with Tenure, Department of Internal Medicine, Section

of Infectious Diseases, Traditional track

Secondary appointment as Professor in the Department of Anthropology, Yale Faculty of Arts and Sciences

Secondary appointment as Professor in Department of Epidemiology of Microbial Diseases, Yale School of Public Health

**Term**: With Tenure Beginning August 1, 2018

**School:** Yale University School of Medicine

**Education:**

08/81-5/85 B.S., *Magna cum laude* with distinction in the major; Biology; History of Science and Medicine, Yale University, New Haven, CT

7/85-6/91 M.D., University of California, San Diego School of Medicine, La Jolla, CA

7/87-6/88 Graduate work in Masters degree program, History of Medicine (not completed),

Institute of the History of Medicine, Johns Hopkins School of Medicine, Baltimore, MD

7/88-6/89 Howard Hughes Medical Institute-NIH Research Scholars Program, Bethesda,

MD

**Career/Academic Appointments:**

7/91-6/94 Intern and Residency, Medicine, Johns Hopkins Hospital, Baltimore, MD

7/94-6/98 Fellow, Infectious Diseases, Johns Hopkins Hospital, Baltimore, MD

7/95-6/98 Postdoctoral Fellow, Laboratory of Parasitic Diseases, NIH, Bethesda, MD

6/98-7/05 Assistant, Associate Professor of Pathology and of Medicine, University of Texas Medical Branch, Galveston, TX

7/03-6/07 Associate Professor with tenure (ladder rank), Division of Infectious Diseases, Dept. of Medicine, University of California, San Diego School of Medicine

7/07-7/18 Professor with tenure (ladder rank), Division of Infectious Diseases, Dept. of Medicine, University of California, San Diego School of Medicine

2/10-present Research Professor and Principal Investigator, Department of Molecular and Cellular Sciences; and Associate Researcher, Alexander von Humboldt Institute of Tropical Medicine; Universidad Peruana Cayetano Heredia, Lima, Peru

8/18-present Professor of Medicine, traditional track, with tenure, Yale University School of Medicine

7/20-present Professor of Anthropology (secondary appointment), Yale University Faculty of Arts and Sciences

7/22-present Professor of Epidemiology (Microbial Diseases), Yale School of Public Health

**Clinical Appointments and Affiliations:**

07/98-06/03 Attending physician, University of Texas Medical Branch Health, Galveston, TX

07/03-07/18 Attending physician, University of California San Diego Medical Center, San Diego, CA

01/20-present Staff physician, VA Medical Center, West Haven, CT

04/20-07/20 Attending physician (disaster privileges related to COVID-19), Yale New Haven Hospital, New Haven, CT

4/1/2024 Attending physician, Yale New Haven Hospital, New Haven, CT

**Board Certifications:**

1992 National Board of Medical Examiners

1994-2025 American Board of Internal Medicine, Internal Medicine, 1994-2025,

Maintenance of Certification current to 2025

1996-2025 American Board of Internal Medicine, Infectious Disease,

Maintenance of Certification current to 2025

2006- American Society of Tropical Medicine and Hygiene, Certificate of Knowledge

in Clinical Tropical Medicine and Traveler’s Health

**Medical Licensure:**

1994-1999 Maryland, license number D45746, expired

1998-2003 Texas, license number K6397 expired

2013-2019 Montana, license number MED-PHYS-LIC-27025, expired 03/31/2019

2022-present Pennsylvania, license number MD479643, active (expires 12/31/2024)

2022-present Indiana Medical Licensing Board, License number 01088648A (expires 10/31/2025)

2003-present California, license number G86854, active (expires 12/31/2024)

2018-present Connecticut, license number 61918, active, expires 12/31/2024

**Professional Honors & Recognition:**

**International/National/Regional**

2018 Distinguished Medical Scientist for the Chair in the name of ‘Late P.N. Chuttani' Postgraduate Institute for Medical Education and Research (PGIMER), Chandigarh, India

2014 Honorary Doctorate, Universidad Nacional de la Amazonia Peruana, Iquitos, Peru

2014 Honorary Professor, Rajarata University, Anuradapura, Sri Lanka

2012 Elected Member, Association of American Physicians

2011 Bailey K. Ashford Medal, American Society of Tropical Medicine and Hygiene

2011 Elected Fellow, American Society of Tropical Medicine and Hygiene

2006 Elected Member, American Society for Clinical Investigation

2003 Elected Fellow, American College of Physicians

2003 Elected Fellow, Infectious Diseases Society of America

1999-2002 Charles E. Culpeper Foundation Medical Sciences Scholar

1995-1998 Howard Hughes Medical Institute, Physician Postdoctoral Award

1995 American College of Physicians, National Meeting, Atlanta, GA, Winner, Poster, Competition for Clinical Vignettes

1994 American College of Physicians, Maryland Associates Meeting, First Place, Clinical Vignettes, "Urban Leptospirosis"; Runner Up, Clinical Research, "Prospective Study of Simple Clinical and Laboratory Parameters to Predict *Clostridium difficile* Colitis"

1989 American Society of Tropical Medicine and Hygiene Young Investigator Award, Honorable Mention, for immunology of blood stage malaria

1988-1989 Howard Hughes Medical Institute--National Institutes of Health Research Scholars Program, Fellow

**Teaching:**

2020-present Lecturer and small group facilitator, Attacks and Defenses, including lectures in

parasitology and new development of tropical medicine/parasitology cases (mentoring fellow, Dr. Francisco Machiavello-Roman) in case development and faculty facilitator mentoring.

2021-present Co-director (with Rupak Datta, MD, PhD), Internal Medicine residency journal club

2024-present Affiliated faculty, Yale School of Medicine, Blue College

**Grant History:**

**Current Grants**

An STTR research project which I co-lead and to which I made key contributions, was newly funded:

1R41AI174377, National Institute of Allergy and Infectious Diseases

(STTR Grant to Luna Biosciences)

07/01/2023-06/30/2025

Title: Leptospirosis Vaccine Development

Role: co-PI (academic collaborator)

A new STTR research project, which I co-lead and to which I made key contributions, received a fundable score of 20

1R41AI181135-01A1, National Institute of Allergy and Infectious Diseases

(STTR Grant to Luna Biosciences)

04/01/2024-03/31/2026

Title: Leptospiral VM Protein Antigen Detection for Rapid Diagnosis of Leptospirosis

Role: co-PI (academic collaborator)

Agency: NIH/NIAID

I.D.# U19 AI089681

Title: “Amazonian Center of Excellence in Malaria Research”

P.I./Program Director: Joseph M. Vinetz, M.D.

Percent effort: 30%

Direct costs per year: $1,180,088

Total costs for project period: $19,645,801

Project period: 7/1/2010 – 3/31/2024 (initial 7 years, then renewal for 7 years)

**Past Grants**   
Agency: NIH/NIAID  
I.D.# U19 AI115658

Title: “Addressing the Global Burden of Leptospirosis in Two Endemic Countries”

P.I./Program Director: Joseph M. Vinetz, M.D.

Percent effort: 25%

Direct costs per year: $420,000

Total costs for project period: $1,890,000

Project period: 9/1/2015 – 2/29/2020

Agency: NIH/Fogarty International Center

I.D.# 1D43TW007120

Title: Global Infectious Diseases Training Grant (for Peruvians):

“Endemic Infectious Diseases of the Peruvian Amazon,” replaced by new title,

“Translational Research Development for Endemic Infectious Diseases of Amazonia

P.I. (Program Director): Joseph M. Vinetz, M.D.

Percent effort: 15%

Direct costs per year: $250,000

Total costs for project period: $2,976,567

Project period: 6/19/2004- 2/28/2021 (initial plus two renewals)

Agency: NIH/NIAID  
I.D.# R01 AI108276

Title: “Predicting risk of human leptospirosis by environmental surveillance”  
P.I.: Joseph M. Vinetz, M.D.  
Percent effort: 25%  
Direct costs per year: $563,249  
Total costs for project period: $ 2,841,276  
Project period: 06/01/2013 – 05/31/2020 (NCE)

Agency: MacMillan Center, Yale University

I.D. Faculty Research Grant

Title: “Bioarchaeological studies of ancient malaria in South America”

P.I.: Joseph M. Vinetz, M.D

Percent effort: 0%

Total costs for project period: $17,800

Project period: 1/1/2020 to 12/31/2020

Agency: University of Sao Paulo and Yale University

I.D. Faculty Research Grant, joint call for project funding

Title: The clinically silent *Plasmodium vivax* reservoir: a systematic review and pooled analysis of \

individual-level data from population-based surveys across the Amazon

P.I.: Joseph M. Vinetz, M.D. (Yale), Marcelo Ferreira (University of Sao Paulo)

Percent effort: 25%

Total costs for project period: R$23,152 ($5,600)

Project period: 1/1/2020 to 4/30/2020

Agency: NIH/NIAID

I.D.# R13 AI096803

Title: “International Leptospirosis Society Meeting”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 0%

Direct costs per year: $6,000

Total costs for project period: $6,000

Project period: 2011

Agency: NIH/NIAID

I.D.# U01 AI075420

Title: “Development and Testing of Human Brucellosis Diagnostics in an Endemic Country”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 25%

Direct costs per year: $945,390

Total costs for project: $5,318,347

Project period: 8/1/2007 – 7/31/2012

Agency: NIH/NIAID

I.D.# R01 AI067727

Title: “Human Reservoirs of *Plasmodium vivax* Transmission”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 25%

Direct costs per year: $544,728

Total costs for project: $3,385,281

Project period: 7/15/2006 – 6/30/2012

Agency: NIH/NIAID

I.D.# R13 AI084386

Title: “International Leptospirosis Society Meeting”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 0%

Direct costs per year: $10,000

Total costs for project period: $10,000

Project period: 2009

Agency: NIH/NIAID

I.D.# R21 AI067745

Title: “Genetics of Innate Immunity in Human Leptospirosis in Brazil”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 5%

Direct costs per year: $150,000

Total costs for project period: $366,433

Project period: 9/1/07 – 08/31/10

Agency: NIH/NIAID

I.D.# R37AI029746

Title: “Expression of Exogenous Genes in Vector Mosquitoes”

P.I.: Anthony James, Ph.D.

Role on project: co-investigator

Percent effort: 10%

Direct costs per year: $100,000

Total costs for project period: $775,000

Project period: 7/1/07 – 6/30/12

Agency: NIH/NIAID

I.D.# R13 AI075971

Title: “International Leptospirosis Society Meeting”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 0%

Direct costs per year: $8,000

Total costs for project period: $8,000

Project period: 2007

Agency: NIH/NIAID

I.D.# R21 AI064466

Title: “Microarray Analysis of Leptospiral Genomes”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 5%

Direct costs per year: $137,500

Total costs for project: $366,443

Project period: 3/1/2006 – 2/28/2009

Agency: NIH/NIAID

I.D.# K24 AI068903

Title: “Patient-Oriented Research in Tropical Infectious Diseases”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 25-50%

Direct costs per year: $125,000-$150,000

Total costs for project period: $1,462,322

Project period: 3/1/2006 – 8/31/2016 (initial 5 years plus one renewal)

Agency: NIH/NIAID

I.D.# R01 AI053422

Title: “Human Cellular Responses to *Leptospira*”

P.I.: Gary Klimpel (UTMB), Ph.D.

Role on project: Co-investigator

Percent effort: 10%

Direct costs per year: $250,000

Total costs for project period: $ 2,394,357

Project period: 9/30/03-1/31/08

Agency: NIH/Fogarty International Center

I.D.# R01 TW/ES05860

Title: “Leptospirosis transmission in the Peruvian Amazon”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 10%

Direct costs per year: $310,000

Total costs for project period: $2,437,384

Project period: 6/2002-5/2007

Agency: NIH/NIAID

I.D.# R21 AI053781

Title: “Proteomics of the *Plasmodium* ookinete”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 5%

Direct costs per year: $137,500

Total costs for project period: $321,406

Project period: 12/2002-11/2004

Agency: Doris Duke Charitable Foundation

I.D.# None

Title: “Innovations in Clinical Research Award: Malaria Transmission and Human Immune

Responses”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 20%

Direct costs per year: $100,000

Total costs for project period: $200,000

Project period: 7/2002-6/2004

Agency: NIH/NIAID

I.D.# K02 AI50049

Title: “Molecular targets of blocking malaria transmission”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 30%

Direct costs per year: $90,000

Total costs for project period: $480,745

Project period: 6/2001-5/2006

Agency: World Health Organization/Tropical Disease Research (TDR)

I.D.# None

Title: “Expression of a *Plasmodium falciparum* chitinase-neutralizing single chain antibody within

the *Anopheles gambiae* midgut”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 2.5%

Direct costs per year: $33,500

Total costs for project period: $104,000

Project period: 1/1/01 – 12/31/2003

Agency: NIH/NIAID

I.D.# R01 AI45999

Title: “Molecular targets of blocking malaria transmission”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 30%

Direct costs per year: $200,000

Total costs for project period: $3,209,162

Project period: 4/1/2000 – 1/31/2012 (initial plus one renewal)

Agency: Charles E. Culpeper Foundation (Rockefeller Brothers Fund)

I.D.# None

Title: “Novel Approaches to Preventing Malaria Transmission”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 30%

Direct costs per year: $150,000

Total costs for project period: $450,000

Project period: 7/1/1999 – 6/30/2002

Agency: Texas Higher Education Coordinating Board Advanced Research Program

I.D.# None

Title: “Rational Drug Design of Chitinase Inhibitors to Prevent Malaria Transmission”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 15%

Direct costs per year: $200,000

Total costs for project period: $400,000

Project period: 1/1/2000 – 8/31/2002

Agency: Texas Higher Education Coordinating Board Advanced Research Program

I.D.# None

Title: “Leptospirosis in Texas Cattle and Wildlife”

P.I.: Joseph M. Vinetz, M.D.

Percent effort: 15%

Direct costs per year: $200,000

Total costs for project period: $400,000

Project period: 1/1/2000 – 8/31/2002

# Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated With Yale:

**CT ID society**

2018 Yale Seminars in Biomedical Research, *Leptospira* genomics: Roadmap Towards Understanding the Molecular Pathogenesis of Leptospirosis, Fitkin Auditorium, December 17, 2018

2018 Invited professorship, delivered 6 lectures as the Distinguished Medical Scientist for the

Chair in the name of ‘Late P.N. Chuttani' Postgraduate Institute for Medical Education and Research (PGIMER), Chandigarh, India: *Mechanisms of Plasmodium ookinete invasion of the mosquito midgut; Pathogenesis and Pathogenomics of Leptospirosis; Modern Approaches to Regional and Global Malaria Elimination; Leptospirosis Clinical and Epidemiology Aspects; Genomic Approaches to Infectious Disease Diagnostics; Grand Rounds: Chronic GI Bleeding in A 50 Year Old Ethiopian Immigrant*

#### 2018 Organized and Chaired Symposium, “Predicting, Investigating and Ameliorating Global Epidemic Leptospirosis,” American Society of Tropical Medicine and Hygiene, 67th Annual Meeting, October 28 - November 1, 2018, New Orleans, LA

2018 Symposium to commemorate 50th Anniversary of the founding of the “Alexander von

Humboldt” Institute of Tropical Medicine, Universidad Peruana Cayetano Heredia, Lima, Peru, “El Impacto Mundial de la Investigación de la Malaria en la Amazonia: Eliminación de la Malaria Limitada por Parasitemias Asintomáticas y Reintroducciones [in Spanish]

2017 Grand Rounds, “Distinguished Speaker,” UC Irvine, “Malaria: What you (likely) didn't

know about it, that challenges the eradication paradigm”

2016 Grand Rounds, University of Colorado, Department of Medicine, “Genomic Approaches to Infectious Disease Diagnostics: A Case Study”

2015 ID/Rheum Research Seminar, Yale School of Medicine, “Leptospira Genomics:

Insights into Molecular Pathogenesis of Leptospirosis” (Not employed at Yale at the

time)

2015 Medical Grand Rounds, Yale School of Medicine, Department of Internal Medicine,

“Genomic Approaches to Infectious Disease Diagnostics: A Case Study” (Not employed at Yale at the time)

2003-2017 Military Tropical Medicine Course, U.S. Department of Defense, lectures on “Leptospirosis,” “Brucellosis”

2012-2017 Invited Lecturer, London School of Hygiene and Tropical Medicine, Diploma Course in

Tropical Medicine and Hygiene, lectured on “Brucellosis” and “Leptospirosis”

2014 Department of Medicine Grand Rounds, UCSD, “A 50 Year Old Man with Chronic

Gastrointestinal Bleeding,” November 12, 2014

2013 Invited Speaker, Patrick Ledden Memorial Lecture, UCSD, “Sociobiological Barriers to

Malaria Eradication,” December 2, 2013

2011 Invited Seminar, New York University, Division of Medical Parasitology, “The Biology

of Malaria Transmission from Vertebrate Host to Mosquito Vector”

2011 Grand Rounds, Johns Hopkins Department of Medicine, “From Baltimore Rats to

Amazonian Bats: A Lesson in Emerging Infectious Diseases”

2011 Grand Rounds, UC Irvine Department of Medicine, “Genomic Approaches to Infectious Disease Diagnostics”

2010 Invited Speaker, AAAS Meeting San Diego, CA, “Molecular Targets of Blocking

Malaria Transmission: Translational Approaches”

2010 Invited Speaker, Yale School of Medicine, Division of Infectious Diseases, “Malaria”

(Not employed at Yale at the time)

2010 UCSD Topics In Internal Medicine: Emerging Infections In The United States

2009 Colloquium on Neglected Tropical Diseases of Latin America, Universidad Peruana

Cayetano Heredia, November 2009, “Transmission of Leptospirosis in the Peruvian

Amazon”

2009 Invited Speaker, “Leptospirosis,” U.S.-Japan Meeting on Enteric Diseases

2007 NIH Grand Rounds, “Advances in Leptospirosis,” August 2017, invited by Steven

Holland, M.D.

2006 Gorgas Diploma Course in Tropical Medicine, “Leptospirosis”, Alexander von Humboldt

Institute of Tropical Medicine, Universidad Peruana Cayetano Heredia, Lima, Peru,

February 20, 2006

2006 Grand Rounds, Scripps Memorial Hospital, “Tropical Medicine in Primary Care”, April

18, 2006

2006 Latin America Health Care Media Workshop, “Fighting Tropical Diseases: An Update

on Research”, Institute of the Americas, La Jolla, CA, May 23, 2006

2005 PRIMR (Progress in Medical Research) Lecture, “Leptospirosis: From Bedside to Bench,” November 2005, UC San Diego, Department of Medicine

2005 PRISM Lecture, “Malaria Transmission in the Amazon,” April 2005, UC San Diego, Department of Medicine

2003 VIII Congreso Peruano de Enfermedades Infecciosas y Tropicales, Sociedad Peruana de

Enfermedades Infecciosas y Tropicales (SPEIT), “Leptospirosis,” August, 2003

2003 Molecular Pathology Graduate Program, UCSD School of Medicine, “Molecular Targets

of Blocking Malaria Transmission,” December 2003

2003 San Diego Microbiology Group, “Molecular Targets of Blocking Malaria Transmission,”

December 2003

2002 “*Plasmodium* Development in Vector Mosquitoes, 51st Annual Meeting of the American

Society for Tropical Medicine and Hygiene, Denver, November 2002

2002 “Undifferentiated Febrile Illness,” Plenary Session, Texas Academy of Internal Medicine/Texas Chapter of the American College of Physicians-American Society of Internal Medicine, Annual Meeting, San Luis Hotel, Galveston, Texas, November, 2002

2002 “Judicious Choices of Antibiotic Use for the House Officer,” Texas Academy of Internal Medicine/Texas Chapter of the American College of Physicians-American Society of Internal Medicine, Annual Meeting, San Luis Hotel, Galveston, Texas, November, 2002

2002 “Laboratory Notebooks and Data Management,” Burroughs Wellcome Fund/Howard Hughes Medical Institute Course in Scientific Management, Chevy Chase Maryland, July 27-31, 2002

2002 “Molecular Targets of Blocking Malaria Transmission,” National Institute of Allergy and Infectious Disease Rocky Mountain Laboratory workshop on Host-Pathogen-Vector Interactions, Hamilton, Montana, July 25-26 2002

2002 “Undifferentiated Febrile Illness in the Tropics,” Gulf Coast Tropical Medicine Meeting, Galveston, Texas, April 2002

2002 “Molecular Targets of Blocking Malaria Transmission,” Department of Pharmacology, Johns Hopkins School of Medicine, April 2002

2002 “Leptospirosis: Clinical Presentation, Epidemiology, Diagnosis and Pathogenesis,” Universidad Peruana Cayetano Heredia, Lima, Peru, to faculty and students of the Departments of Infectious Disease, Tropical Medicine, and Dermatology, February 2002

2002 “Leptospirosis—Cases and Discussion,” Gorgas Course in Tropical Medicine, Lima, Peru, February 2002

2002 Grand Rounds: Clinico-Pathologic Correlation Conference, Department of Internal Medicine, University of Texas Medical Branch at Galveston, January 2002

2002 “Clinical Aspects of Leptospirosis,” Symposium on Leptospirosis, 49th Annual Meeting of the American Society for Tropical Medicine and Hygiene, October 2000, Houston

2001 “Mechanisms by Which Malaria Parasites Invade the Mosquito Midgut: Implications for Blocking Malaria Transmission,” Picower Institute, Long Island, NY, October 2001

2001 “Preventing Malaria Transmission at the Parasite: Mosquito Interface: Molecular and Cell Biology Approaches,” University of Texas Medical Branch, Department of Biophysics and Physiology, October 2001

2000 “Rat Summit,” New York City Council-Columbia University, Invited speaker and panelist on leptospirosis and other rat-borne diseases (On personal invitation of NY City Council member, Bill Perkins), November 2000

**Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated with Yale:**

2017 International Conference on *Plasmodium vivax* Research, “Mechanisms of Resilient

Malaria in the Peruvian Amazon,” Manaus, Brazil

2017 Invited honorary Bailey K. Ashford lectureship, University of Puerto Rico,

“Leptospirosis: State of the Art from Bedside to Bench”

2014 Gordon Research Conference on Biology of Spirochetes, Ventura,

California, "Comparative Genomic Analysis of the 20 Species of *Leptospira*"

**Professional Service**

**Peer Review Groups/Grant Study Sections:**

2016-2019 Chartered member, Microbiology and Infectious Diseases Research Committee, NIAID

(K and T grants)

2006-2013 U.S. National Institutes of Health, member, Fogarty Global Infectious Diseases Program ZRG1 ICP-study section

2009-2015 Member of various *ad hoc* study sections (4-6 per year) for NIH, maintaining Continuous Submission, currently through September 2019.

2009-2012 Howard Hughes Medical Institute, Research Scholars Program reviewer

2008 U.S. National Institutes of Health, member, study section for Centers of Excellence in Biodefense Research

2007 Chartered member, U.S. National Institutes of Health, standing member, Clinical and Field Studies of Infectious Diseases Study Section

**Journal Service:**

**Editorial and Peer-review**

2011 – present Deputy Editor, *PLoS Neglected Tropical Diseases*

2011 – 2012 Editor-in-Chief (interim), *American Journal of Tropical Medicine and Hygiene*

2010 – present Editorial Board Member, *Eukaryotic Cell*

2009 – present Editorial Board Member *Public Library of Science Neglected Tropical Diseases*

2007 – present Editorial Board Member, *Clinical Infectious Diseases*

2001 – 2017 Section Editor, Current Opinion in Infectious Diseases, Travel and Tropical Medicine-Related Diseases (one October issue annually)

2002 – present Editorial Board Member, *Infection and Immunity*

2001 – present Associate Editor, *American Journal of Tropical Medicine and Hygiene*

2001 – 2008 Editorial Board Member, *Trends in Parasitology*

1994 – 1998 Editorial Associate, Medicine (Baltimore), Editor-in-Chief, Victor McKusick, M.D.

Ad hoc Peer-review of papers: *New England Journal of Medicine, JAMA, Science, Nature, Journal of Clinical Investigation, Proceedings of the National Academy of Sciences, Nature Microbiological Reviews, Vaccine, Infection and Immunity, Experimental Parasitology, Clinical and Diagnostic Laboratory Immunology, Expert Opinion in Biological Therapy, Journal of Experimental Biology, American Journal of the Medical Sciences, Archives of Diseases in Childhood, Clinical Infectious Diseases, Emerging Infectious Diseases, Swiss Medical Weekly, Journal of Medical Microbiology, Journal of Clinical Microbiology, Molecular Microbiology*

**Professional Organizations:**

2012 - Elected Member, Association of American Physicians (AAP)

2011 - Elected Fellow, American Society of Tropical Medicine and Hygiene

2006 - Elected Member, American Society for Clinical Investigation

2003 - Elected Fellow of the American College of Physicians

2002 - Elected as founding member of American Council on Molecular, Cellular and Immuno-

Parasitology of the American Society of Tropical Medicine and Hygiene

2002 - Elected Fellow of the Infectious Diseases Society of America

2000 - Member, American Society for Microbiology

1999 - Member, Clinical Group, American Society of Tropical Medicine and Hygiene; member

nominating committee, 2002

1996 - Member, American College of Physicians

1995 - Member, Infectious Disease Society of America

1989 - Member, American Society of Tropical Medicine and Hygiene

**Professional Service for Professional Organizations:**

2006-present American Society of Tropical Medicine and Hygiene: various committee and leadership roles including interim Editor-in-Chief American Journal of Tropical Medicine and Hygiene, Associate Editor 2000-present, Executive Committee of the Society, Pfizer Centennial Awards Committee 2010-2018), Member, ASTMH-IDSA Tropical Diseases Guidelines Committee, Member, Scientific Program Committee, Member, Public Relations Committee, elected President of the Clinical Group 2008-2009, Council member 2008-2009, Burroughs Wellcome-ASTMH Postdoctoral Fellowship Committee 2011-2018

2012-2015 Infectious Diseases Society of America Program Committee Member and Chair, Section G, Global Health

2012 Massey University, New Zealand, Technical Advisor, Zoonotic Research/OneHealth Programs, New Zealand & Southeast Asia

2010-12 External reviewer for Medical Research Council of Singapore, 2 grant reviews per year

2009-2013 World Health Organization, Member, Leptospirosis Burden Epidemiology Review

Group (LERG)

2009 External reviewer for one grant submission, Canadian Natural Sciences and Engineering

Research Council, Strategic Projects competition, 2009

2008-2013 External reviewer for grant submissions to the Wellcome Trust, U.K.

2007-2011 Secretary, International Leptospirosis Society; wrote and secured funding for three NIH

R13 conference grants to help fund junior trainee travel to Quito, Ecuador and Cochin, India ILS meetings, September 2007 and 2009, respectively

**Meeting Planning/Participation:**

2018 Symposium organizer, “Predicting, Investigating and Ameliorating Global Epidemic Leptospirosis,” 67th Meeting of the American Society of Tropical Medicine and Hygiene

2012 Symposium organizer, “Leptospirosis,” 61st Meeting of the American Society of Tropical Medicine and Hygiene

2013 Secretary, 8th Meeting of the International Leptospirosis Society

2011 Secretary, 7th Meeting of the International Leptospirosis Society

2009 Secretary, 6th Meeting of the International Leptospirosis Society

**University Service:**

**Yale University**

2018- YCCI Scholar Selection Committee

2020- Biosafety BSL-3 Subcommittee

2020- Biosafety Committee

**University of California San Diego Service**

2007 – 2013 Member, University of California School of Global Health Planning Committee

(UC-wide)

2008 – 2012 Chair, Limited Submission Selection Committee (previously the Institutional Submission

Selection Committee)

2008 – 2011 Member, Academic Senate Research Committee-Health Sciences (Academic Senate)

2009 – 2011 Member, International Education Committee (Academic Senate)

2009 – 2012 Member, Steering Committee, UCSD Global Health Initiative

2012 - 2018 Member, Institutional Biosafety Committee, UC San Diego School of Medicine Service

2003 – 2009 Member, MSTP Admissions Committee

2007 – 2017 Module Director, HHMI Med-into-Grad Initiative (infectious diseases and tropical

medicine)

2011 – 2016 Biosafety Level 3 space and animal BSL3 planning

2013 – 2014 Member, Core Curriculum Committee

2018 – Member, University-wide Committee on Appointments and Promotions

**University of California San Diego Departmental Service**

2004 – 2011 Member, Department of Medicine Committee on Academic Promotions (DOMCAP)

2004 – 2013 Infectious Disease Division Fellowship Selection Committee Member

2005 – 2016 Associate Director, Physician Scientist Training Program, Department of Medicine

2009 – 2011 Chair, Department of Medicine Committee on Appointments and Promotions

2009 – 2012 Member, Department of Medicine Junior Faculty Transition Awards Committee

2014 – 2014 Member, search committee for Chief of Allergy and Immunology Division

2014 – 2016 Member, search committee for Chief of Division of Geriatrics

2016 – 2018 Co- Director, Physician Scientist Training Program, Department of Medicine

**University of Texas Medical Branch, Galveston, Texas University-wide**

1998 – 2000 University Task Force and Steering Committee on Bioinformatics

1999 – 2002 James W. McLaughlin Fund for Infection and Immunity (UTMB)

1999 – 2002 M.D.-Ph.D. Advisory Committee

1999- 2000 University Task Force on Infectious Disease Bioinformatics

1999 James W. McLaughlin Fund for Infection and Immunity, *ad hoc* reviewer

2000 – 2001 M.D.-Ph.D. Advisory Subcommittee on Curriculum

2000 – 2001 University Task Force on Infectious Diseases

2000 – 2002 M.D.-Ph.D. Program Seminar Director

**UTMB Departmental**

1999 – 2003 Division of Infectious Diseases, Fellowship Selection Committee

1999 – 2000 Department of Microbiology and Immunology, Bacterial Pathogenesis Search Committee

1999 Department of Pathology, Vector Biology Search Committee

2000 – 2002 NIH T32 Postdoctoral Training grant in Emerging and Reemerging Infectious Diseases, Selection Committee

2000 Department of Pathology, Pathogen Genomics Search Committee

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1998 – 2003 Associate Member, Experimental Pathology

1998 – 2000 Member, Admissions and Recruitment Committee, Experimental Pathology

1999 – 2004 Full Member, Microbiology and Immunology

2001 – 2003 Full Member, Cell Biology Graduate Program

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**Peer-Reviewed Educational Materials**

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