

CURRICULUM VITAE

Date of Revision March 15, 2022

Appointment: Professor of Epidemiology, Yale School of Public Health (YSPH)

EDUCATION

B.A.	Vassar College, Poughkeepsie, NY	1978
Ph.D.	Columbia University, New York City, NY	1982
M.A.	Honorary, Yale University, New Haven, CT	2002

CAREER/ACADEMIC APPOINTMENTS

1981-1982	Pre-doctoral Associate, Columbia University
1982-1985	Postdoctoral Fellow, Yale University MacArthur Center for Molecular Parasitology Field of Study: parasitology, microbiology, molecular genetics
1985-1987	Postdoctoral Fellow, Yale University School of Medicine, Internal Medicine
1987-1990	Associate Research Scientist, Yale University MacArthur Center for Molecular Parasitology, Department of Internal Medicine
1990-1996	Assistant Professor of Medicine Yale University School of Medicine, Department of Internal Medicine
1996 Fall	Visiting Scientist, Bornova Medical School, Izmir, Turkey
1996-2002	Associate Professor of Epidemiology Yale School of Public Health (YSPH), Yale University School of Medicine (YSM)
1998	Visiting Scientist, Sabbatical, Tokyo University, Japan
2000	Visiting Scientist, International Atomic Energy Agency, Seibersdorf, Austria
2002-present	Professor of Epidemiology , Department of Epidemiology of Microbial Diseases (EMD) YSPH
2002-2010	Department Head, EMD, YSPH
2010-2013	Advisory Committee Member, Yale Microbial Diversity Institute
2012 Fall	Visiting Research Professor, University of Pavia, Italy
2014 Fall	Acting Department Head, EMD, YSPH
2015 Spring	USA Fulbright Research Scholar, University of Pavia, Italy
2015-	Affiliated Faculty Member, Yale MacMillan Center, Council on African Studies
2020-	Affiliated Faculty Member, Yale Institute for Global Health
2020-	Affiliated Faculty, Yale Center on Climate Change and Health (YCCCCH), YSPH
2020 Spring	Acting Department Head, EMD, YSPH
2020-2021	Interim Department Head, EMD, YSPH
2022 Spring	Visiting Research Professor, University of Pavia, Italy

PROFESSIONAL HONORS & RECOGNITION

2021	Member, National Academy of Sciences, USA
2019	Honorary Award for Excellence for Research Towards Control, 70 th Anniversary Meeting of International Scientific Council for Trypanosomiasis Research and Control, African Union Interafrican Bureau for Animal resources (ISCTRC- AU-IBAR), Nigeria
2019	Member, Connecticut Academy Science and Engineering (CASE)
2017	Keynote Speaker, Gordon Research Conference, Tropical Infectious Diseases
2017	Alfred Boyce Lecturer, University of California, Riverside

2016	Winner, Breakthroughs in Medical Entomology, American Society Tropical Medicine & Hygiene (ASTMH)
2015	USA Fulbright Scholar, University of Pavia, Italy
2015	Winner, Connecticut Technology Council Research, Innovation and Leadership award
2015	Elected Fellow, Entomological Society of America
2013-2018	Elected Council Member, ASTMH
2012	Elected Fellow, American Society Tropical Medicine & Hygiene
2009-2020	Editor in Chief, PLOS Neglected Tropical Diseases
2010	Patton Lecturer, Cornell University
2010-2012	Chair, NIH/NIAID Vector Biology Study Section
2004-2008	Member, WHO/TDR, Molecular Entomology Committee
2004-2014	Community Lead and Organizer, International Tsetse Genome Project
2008-2013	Chair, WHO/TDR, Innovative Vector Control Program
2006-present	Ambrose Monell Foundation Award
2000	Robert Leet and Clara Guthrie Patterson Trust Award
1998	Culpeper Foundation Biomedical Initiative Award
1996	McKnight Foundation Biotechnology Award
1992	Sigma Xi Research Award
1984-1989	Parasitology and Tropical Medicine, MacArthur Foundation Postdoctoral Fellow
1982-1984	NIH Tropical Medicine Postdoctoral Training Grant Award
1978-1982	Columbia University Graduate Scholar Award
1977	NSF Presidential Award for Undergraduate Research

LEADERSHIP

2004-2010	White Paper principal author and Coordinator, International <i>Glossina</i> Genomics Initiative
2011	White Paper principal author and Coordinator of NHGRI-NIAID sponsored sequencing projects, “ <i>Glossina</i> Genome Clusters”
2013-2018	Council Member, American Society Tropical Medicine and Hygiene (ASTMH)
2013	co-Chair, Gordon Conference on Tropical Infectious Diseases, “From Bench to Field”, Galveston, Texas
2015	Chair, Gordon Conference on Tropical Infectious Diseases, “Challenges, Opportunities and Successes”, Galveston, Texas
2015	co-Chair, Keystone Conference, “ <i>The Arthropod Vector: The Controller of Transmission</i> ”
2016	Organizing Committee Member, ASTMH in Nairobi meeting, Kenya
2016	Organizing Committee Member, International Congress of Entomology, Turkey 2020
2018-2021	Member, Leadership Committee, ASTMH
2020-	Advisory Board Member, Turkish American Scientists and Scholars (TASSA)
2020-	Member, Development Committee, ASTMH

INVITED SPEAKING ENGAGEMENTS, PRESENTATIONS, SYMPOSIA & WORKSHOPS NOT AFFILIATED WITH YALE (Selected since 2000)

- 2001 Participant, United Nations FAO/IAEA Consultants Group, “*Application of Molecular Tools to Tsetse Genetics*”, Rome
- 2001 Steering Committee Member, “*Trypanosomiasis control*”, World Health Organization, Geneva,
- 2002 Symposia Organizer, “*Molecular Aspects of Tsetse and Trypanosome Transmission*”, ASTMH Meeting in Denver, Co
- 2003 Participant, United Nations FAO/IAEA Consultants Group, “New Avenues for Insect Disease Control”, Capri Italy
- 2003 Instructor, “*Biology of Disease Vectors*”, Cuernavaca, Mexico
- 2004 Instructor, “*Biology of Disease Vectors*”, University of Colorado, Fort Collins
- 2004 Organizer, 2nd Annual International *Glossina* Genome Initiative meeting, WHO/TDR, Geneva
- 2005 Co-Organizer and Chair, 3rd Annual International *Glossina* Genome Initiative meeting, WHO/TDR, The Institute for Genomics Research
- 2005 Symposia Organizer, “*Tsetse Genomics*”, ASTMH Annual Meeting, Washington DC
- 2005 Symposia Organizer, “*African trypanosomiasis revisited*”, ASTMH Annual Meeting, Washington DC
- 2006 Invited Participant, Meeting on Global Infectious Disease Programs, Sponsored by NIH Fogarty Center, Satellite ASTMH meeting, Atlanta
- 2006 Invited Participant, Eukaryotic Pathogens and Disease Vectors Sequencing Workshop, Sponsored by NIAID/NHGRI, Bethesda
- 2006 Advisory Board Member, VectorBase Scientific Working Group Meeting, Boston
- 2006 Co-Organizer and Chair, 4th Annual International *Glossina* Genome Initiative meeting, WHO/TDR, SANGER Center, Hinxley, UK
- 2006 Co-Organizer and Instructor, Tsetse Bioinformatics Workshop, Sponsored by WHO-TDR, Cape Town, South Africa
- 2006 Organizing Committee Member, International Congress of Insect Biotechnology & Industry (ICIBI 2007), Daegu, Korea
- 2007 Organizing Committee Chair, Turkish American Scientists and Scholars 3rd Annual Meeting, Yale University
- 2008 Organizer and Participant, Bioinformatics Workshop for Tsetse Genomics Activities, WHO/TDR, Capetown, SA
- 2008 Manuscript Writing Workshop, Keystone Meeting, “Translating New Technologies to Improve Public Health in Africa”, Kampala, Uganda
- 2009 Vector Biology Workshop for International Scientific Council for Trypanosomiasis Research and Control (ISCTRC) Annual meeting participants, Kampala, Uganda
- 2009 Manuscript Writing Workshop, ISCTRC, Kampala, Uganda
- 2009 Manuscript Writing Workshop, ASTMH Annual Meeting in Washington DC,
- 2009 Symposium Organizer, Tsetse-Trypanosome Interactions, ASTMH Annual Meeting in Washington DC
- 2010 Workshop Organizer and Lecturer, Frontiers in Vector Genetics/Genomics, March, Nairobi, Kenya
- 2011 Workshop Organizer and Lecturer, Opportunities for Neglected Disease Control, NIAID, Bethesda, Maryland
- 2011 Workshop Participant, COST Action Symbiosis Network, Brussels, Belgium
- 2011 Workshop Organizer and Lecturer, International *Glossina* Genome Initiative, Sanger Center, Cambridge UK
- 2012 Workshop Organizer, International *Glossina* Genome Initiative, Manual Annotation Workshop, ICIPE Nairobi Kenya
- 2012 Workshop organizer and participant, IEAE Tsetse Symbiosis Program, Vienna
- 2013 Working group participant, IEAE Tsetse Parasite Refractoriness, Vienna

- 2013 Co-Chair, Gordon Research Conference, Tropical Infectious Diseases: From Bench to Field, Feb 10-15, Galveston TX
- 2014 Organizer and Participant, Publication Ethics for Journal Editors, Nairobi, Kenya, Sept 25-26
- 2014 Workshop Participant, "*Enhancing Vector Refractoriness to Trypanosome Infection*", International Atomic Energy Agency, Dec 1-6, Addis Ababa, Ethiopia
- 2015 Chair, Gordon Conference, Tropical Infectious Diseases, Galveston, March 8-13, Texas
- 2015 Organizer, Keystone Conference, "*The Arthropod Vector: The Controller of Transmission*", May 12-17, Taos, New Mexico
- 2015 Organizer and Participant, Good Writing Skills and Ethics Workshop, University of Pavia, Italy
- 2016 Workshop on Improving Publication Skills and Ethics, ASTMH in Kenya, Nairobi
- 2016 Organizer and Participant, Publication Ethics, Fudan University, China PR

Invited Lectures

- 2000 Keynote speaker, "*Women in Science*", United Nations, March 8
- 2000 Keynote speaker, "*New Tools for Old Diseases*", Annual Meeting Turkish-American Medical Association, NYC
- 2000 Invited Speaker, "*Role of Symbionts for Disease Control*", New England Association of Parasitology, Annual Meeting at Amherst College
- 2000 Invited Speaker on Symposium "*Symbiosis*", Entomological Society of America, Montreal, Canada
- 2001 Participant, Encounter: Vector Biology Meeting, Case Western Reserve University
- 2002 Invited Speaker, IVth International Symposium on Molecular Insect Science, Tuscon, Arizona
- 2002 Invited Speaker, Biology of Arthropod Vectors, July 24-27, Rocky Mountain Labs, Hamilton, Montana
- 2002 Invited Speaker, Molecular Entomology Steering Committee Meeting, World Health Organization, Geneva
- 2002 Invited Speaker, International 50th Entomology Congress, Thessalonika, Greece
- 2003 Invited Speaker, Swiss Tropical Institute, Basel, Switzerland
- 2003 Invited Speaker, Department of Microbiology, University of Connecticut, Farmington, CT
- 2003 Invited Participant, "*Emerging Technologies for Vector Control: A Brainstorming Meeting*", Melinda and Bill Gates Foundation, Seattle, WA
- 2003 Invited Speaker, Department of Pathobiology, University of Connecticut, Storrs
- 2003 Instructor, "*Biology of Disease Vectors*", Cuernavaca, Mexico
- 2003 Plenary Speaker, World Veterinary Medicine Meeting, New Orleans, August 15,
- 2003 Invited Speaker, Symposium on "*Insect Symbiosis*", Entomological Society Meeting, October
- 2003 Invited Speaker, Symposium on "*Great Endemic Diseases*", Entomological Society Meeting
- 2004 Invited Speaker, Keystone Meeting on "*Genetics of Insect Vectors*", Taos, New Mexico
- 2004 Invited Speaker, *University of Connecticut, Department of Ecology and Evolutionary Biology*
- 2004 Instructor, "*Biology of Disease Vectors*", University of Colorado, Fort Collins, June 17-25th
- 2004 Keynote Speaker, Annual Meeting of the Society of Evolutionary Studies, Tokyo, Japan August 4-7
- 2004 co-Organizer and Speaker, Cold Spring Harbor/Wellcome Trust Meeting on "*Functional Genomics of Host-Pathogen Interactions*", Cambridge, UK, September 7-12
- 2004 Invited Speaker and Organizer, Eastern African Network of Tsetse Trypanosomiasis Annual Meeting, Khartoum, Sudan. November 28-Dec 7
- 2005 Invited Speaker, Entomology Department, University of California, Riverside
- 2005 Invited Speaker, Entomology Department, University of Amherst, Massachusetts, April 11
- 2005 Invited Speaker and Chair, Conference on Area-Wide Control of Insect Pests (FAO/IAEA), Vienna, Austria, May 9
- 2005 Chair and Speaker for panel on "*Human African Trypanosomiasis Strategic Research Directions*", organized by NIH/NIAID, Wash DC, May 16

- 2005 Invited Speaker, *Evolution of Infectious Disease*, Organized by NIH/GM Bethesda, MD
- 2005 Invited Speaker, Symposia on, *"Bugs in Bugs: Rock n' Roll in the Insect Gut Microcosm"* ESA Fort Lauderdale, Florida Nov 6-9
- 2005 Invited Speaker, Symposia on, *"Insect Microbial Symbiosis: Genomics and Evolution of Insect Endosymbionts"*, ESA Fort Lauderdale, Florida Nov 6-9
- 2006 Invited Speaker, Selected by Graduate Students, Johns Hopkins University, MD, January 12
- 2006 Invited Speaker, Student Invitee, University of Maryland School of Medicine, March 8
- 2006 Invited Speaker, "Tools from Molecular Entomology", Symposium on "Innovation for Discovery in the Control of Neglected Infectious Diseases", Thailand Science Park, Pathumthani, Thailand May 1
- 2006 Invited Speaker, European Congress of Entomology, Kusadasi, Turkey
- 2006 Invited Speaker The Marine Biological Laboratory, Woods Hole, MA, Oct 13
- 2007 Invited Speaker, New York University, Department of Parasitology, April 6, 2007
- 2007 Invited Speaker, Selected by Graduate Students, University of North Carolina, Microbiology Program, April 19
- 2007 Invited Speaker and Organizing Committee Member, International Congress of Insect Biotechnology & Industry, Aug 19-24, Daegu, Korea
- 2007 Plenary Speaker, "Recent advances on insect genomics and functional biology can fortify disease management", International Congress of Insect Biotechnology & Industry (ICIBI 2007), Aug 19 – 24, Daegu, Korea
- 2007 Invited Participant and Speaker, "Tsetse symbiosis harnessed for disease control", FAO/IAEA, Vienna, Oct 1-4
- 2007 Invited Participant, Fogarty NIH, International Program Meeting, Philadelphia, Nov 3-7
- 2007 Invited Speaker, "Bacterial Surface Coat Adaptations Help Shape Symbiosis", Ecology and Evolutionary Biology Meeting, New Mexico, Dec 1-4
- 2008 Invited Speaker, "Symbiotic Fauna Explored for Disease Control", American Society Microbial Annual Meeting, Boston June 1-5
- 2008 Invited Speaker, "Gordon Conference", Salva Regina, June 22-27
- 2008 Invited Speaker, "Recent advances on insect genomics and functional biology applied for disease management", Fordham University (Graduate Student Invited Speaker),
- 2008 Invited Speaker, "Biotechnology Harnessed for Trypanosomiasis Control". Entomology Department, Makerere University, Kampala, Uganda March 10
- 2008 Invited Keynote Speaker – East African Trypanosomiasis Network Meeting, Mombasa Uganda
- 2009 Invited Keynote Speaker – Jacob Monad Meeting in Insect Immunity – Aussois France May 2
- 2009 Invited Speaker, International Symbiosis Society Annual Meeting, Aug 12-16, Madison, Wisconsin
- 2010 Invited Speaker, COST Action Meeting, Portugal, Jan 20-25
- 2010 Invited Speaker, Keystone Molecular Entomology, April 11-16, Utah,
- 2010 Invited Plenary Speaker, Society Invertebrate Pathology, July 10-14, Trabzon Turkey
- 2010 Invited Speaker, Patton Lecture, Cornell University, October 11
- 2010 Invited Speaker, Caxambu Meeting, October 24, Brazil
- 2011 Invited Speaker, Penn State University, Entomology Department, Jan 20
- 2011 Invited Speaker, New Avenues for Vector Borne Disease Management, Makerere University, Uganda February
- 2011 Invited Speaker and Organizer, Gordon Conference, Tropical Infectious Disease, Trypanosomiasis Session, Galveston, TX
- 2011 Invited Speaker, Symbiosis Explored for Vector Control, National Institutes of Health Infection and Allergy (NIAID), April 11
- 2011 Invited Speaker, ISCTRC Meeting, Bamako, Mali Sept 9
- 2012 Invited Speaker, New Avenues for Vector Borne Disease Management, Makerere University, Uganda
- 2012 Invited Speaker, IEAE Tsetse Symbiosis Program, Vienna, March 26-31

- 2012 Keynote Speaker, Women in Science: A cultural Perspective, Soroptimist Annual Speaker, Pavia Chapter, Pavia Italy May 24
- 2012 Invited Speaker, Symbiosis: COST Action 2012 meeting, O'leron, France, June 11-14
- 2012 Invited Speaker, Endemic and Emerging Infectious Diseases of Priority in the Middle East and North Africa, Istanbul, Turkey June 18 - 21
- 2012 Invited Speaker, US-Brazil Vector Biology Workshop, August 9-10, Rocky Mountain Laboratories in Hamilton, MT
- 2012 Invited Speaker, Infectious Disease Genomics and Public Health, Wellcome Trust/Cold Spring Harbor Series, October, Cambridge, UK
- 2012 Invited Speaker, "Parasitism: a life style", Pasteur Institute, Paris, Dec 14
- 2013 Invited Speaker, "Doganin Gercek Sahipleri", Ankara University, February 24-27, Turkey
- 2013 Invited Speaker, Gordon Conference, Tropical Infectious Diseases, Galveston, Texas
- 2013 Invited Speaker, University of California, Riverside, April 11
- 2013 Invited Speaker, Hopkins School of Public Health, May 2
- 2013 Organizer and Speaker, "Effect of Vector Innate Immunity and Human-Derived Immune Molecules on the Transmission of Vector-Borne Pathogens", NIAID Workshop May 14 – 15
- 2013 Organizer and Speaker, Mini Symposia on Microbial Symbiosis, University of Pavia Graduate School, May 27-31
- 2013 Keynote Speaker, Arthropod Genomics Symposium, University of Notre Dame, June 12-15
- 2014 Invited Speaker, Keystone Conference, Mechanisms and Consequences of Invertebrate-Microbe Interactions" Tahoe City, California, Jan 26 - 30
- 2014 Keynote Speaker, "Challenge of Vector Borne Disease Control in 21th Century", Erceyis University, March 25-26, Kayseri Turkey
- 2014 Invited Speaker, Harvard School of Public Health Seminar Series, April 3
- 2014 Invited Speaker and Workshop Organizer, The Burden of Vector Borne Diseases in Europe, University of Pavia, Italy, June 2-6,
- 2014 Organizer, Workshop on Biology of Disease Vectors, September 28-October 4, KEMRI, Kilifi, Kenya
- 2014 Invited Speaker, Symposium, "The Arthropod Vector Microbiome: The Next Frontier for Control of Vector-Borne Diseases?" 63rd Annual Meeting ASTMH, Nov 5, New Orleans
- 2014 Invited Speaker, IAEA Tsetse Control Program, Addis Ababa, Ethiopia, December
- 2015 Invited Speaker, NIH/NIAID, Twinbrook Seminar Series, February
- 2015 Invited Speaker, Harvard School of Public Health, Microbiology Program, April
- 2015 Invited Speaker, Rutgers Microbiology Program, April
- 2015 Invited Speaker and Organizer, Keystone Conference, "*The Arthropod Vector: The Controller of Transmission*", Taos, New Mexico
- 2015 Invited Speaker, "*Role of Microbiota in Disease Transmission*", University of Pavia, Italy
- 2015 Organizer, Workshop on Vector Borne Diseases : Physiology and New Methodologies, 5 day workshop together with University of Pavia faculty
- 2016 Keynote Speaker, Meeting on "Communication and Interactive Networks in Biology", Singapore, March
- 2016 Invited Speaker, "*Novel Approaches for Controlling Vector Borne Diseases*", Fudan University, Shanghai, China PR
- 2016 Invited Speaker, "*Vector Borne Disease Threat: New and Emerging Challenges*", Centers of Disease Control, Wuxi, China P
- 2016 Invited Speaker, "*Lessons Learned from Tsetse and Trypanosome Biology for Control of Vector Borne Diseases*", University of Houston, Texas
- 2016 Tackling Trypanosomiasis during the Elimination Phase, Gulu University, Uganda
- 2017 Invited Speaker, Challenges for NTD Control, Symposium at NIAID
- 2017 Invited Keynote Speaker, Gordon Research Conference on Tropical Infectious Diseases, Galveston, Texas
- 2017 Alfred Boyce Lecturer, Entomology Department, University of California, Riverside

- 2017 Invited Keynote Speaker, Turkish Parasitology Congress Annual Meeting, Eskisehir
- 2017 Invited Speaker, 34th ISCTRC Conference, Livingstone, Zambia
- 2017 Invited Member, Italy-US University Partnership Forum, Italian Embassy, Wash DC
- 2017 Invited Lecturer, Biology of Parasitism course in Woods Hole, Mass
- 2018 Invited Speaker, DNDI and HAT Platform Meeting, Kampala, Uganda
- 2018 Invited Speaker, XI European Congress of Entomology in Napoli (Italy)
- 2019 Invited Speaker, Gordon Research Conference on Tropical Infectious Diseases, Galveston, Texas
- 2019 Invited Speaker, Departmental Seminar, University of Pavia, Italy
- 2019 Invited Speaker, MedTrop Meeting 2019, Belo Horizonte, Brazil
- 2019 Organizer and Participant, Manuscript Writing Workshop, ASTMH Annual Pre-meeting activity
- 2019 Invited Speaker, International Conference on NTDs in Africa, Kenya Ministry of Health and Kenya Medical Research Institute, Nairobi, Kenya
- 2020 Invited Speaker, Ankara University, Department of Entomology, Turkey
- 2020 Invited Speaker, Medipol University, Istanbul, Turkey
- 2020 Invited Speaker, Ege University Parasitology Department, Turkey
- 2020 Invited Speaker in “Biology and Control of Vector-Borne Parasites” course, Harvard School of Public Health, MA
- 2021 Invited Speaker, Virtual Vector Biology 2021 Series
- 2021 Invited Speaker, Multisystem and Novel Approaches to Insect Pest Management, Annual ESA Meeting, Denver
- 2021 Invited Speaker, NIAID Workshop: Targeting the Parasite within the Vector: Exploring Novel Approaches to Prevent Transmission of Vector-borne Diseases
- 2021 Invited Speaker, WHO Workshop: Vector Control and the Elimination of *gambiense* Human African Trypanosomiasis (HAT)
- 2021 Invited Seminar Speaker, Epidemiology of Microbial Diseases Fall Seminar Series, YSPH
- 2021 Invited Seminar Speaker, Nanjing Agricultural University, Entomology Series, China
- 2021 Organizer, Mini-Workshop, “One Health perspective for transdisciplinary research on health”, Yale University
- 2022 Webinar Participant, Fulbright Italy Alumni Activities
- 2022 Invited Speaker, Medipol University, Istanbul, Turkey
- 2022 Organizer and Participant, Workshop on One Health based approaches to control vector borne and zoonotic Infections: New approaches for ancient problems, University of Pavia, Italy
- 2022 Invited Speaker, ICOPA 2022: 15th International Congress of Parasitology, Denmark
- 2022 5th International Workshop on *Aedes albopictus*, Montpellier, France

PROFESSIONAL SERVICES (since 2000)

Peer Review Groups/Grant Study Sections

- 2022 Invited Participant, NIH/NIAID, Focus Group on Vector-borne and zoonotic infections, Middle East and North Africa (MENA) region
- 2021 Member, Center for Scientific Review (CSR), National Institutes of Health (NIH), Enquire 14
- 2020 NIH/NIAID, Blue Ribbon NIH Council Advisory Committee Member
- 2018-present Reviewer, Fulbright Committee
- 2018 Institutional Review Committee Member, International Center for of Insect Physiology and Ecology, Nairobi, Kenya
- 2016, 2017 Reviewer, EU Horizon 2020 Program
- 2012 Institutional Review Committee Member, Notre Dame Eck Institute for Global Health
- 2012 Departmental Review Committee Member, UCR Graduate Program in Entomology

2011-2014 Member, Scientific Working Group (SWG) of the Biological & Emerging Infections (BEI) Resources Repository Program of the ATCC
 2012-2014 NSF, Symbiosis, Defense & Self-Recognition Integrative Organismal Systems, Adhoc reviewer,
 2010-2012 Chair, NIH/NIAID Vector Biology Study Section
 2008-2010 Scientific Working Group Advisory Board Member for Vectorbase
 2010-2013 Member of the NIAID/NHGRI Eukaryotic pathogen and vector genome working group,
 2008-2012 Member, NIH/NIAID Vector Biology Study Section
 2008-2012 Chair, WHO/TDR, Molecular Entomology BL5
 2001 NIH/NIAID ZRG1 F08 Study Section Member
 2003-2008 NIH/NIAID ZRG1 F08 Study Section Member
 2004 NIH/NIAID Special Initiative Review Panel
 2006 NIH/MIDRC K99 Study Section
 2003, 2004 Ad-hoc reviewer, Vector Biology Study Section at NIH/NIAID
 2003-2005 USDA Animal Health and Well-being, Panel B member
 2004-2008 Member, WHO/TDR Molecular Entomology BL5 Committee
 2002-2005 National Science Foundation/MCB Review committee Wellcome Trust, UK

Advisory Committee Work

2021- Member, Research Rank Faculty Review Committee, Yale University
 2020- Member, Development Committee, American Society of Tropical Medicine and Hygiene (ASTMH)
 2019-2022 Member, Yale University Provost's Faculty Review Committee
 2013-2015 Member, YSPH Provost's Standing Appointments & Promotions Committee
 2013-pres Advisory Committee Member, Insect Genetic Technologies Research Coordination Network, NSF Program
 2012-2014 Member, BEI Resources Vectors Focus Group, NIAID
 2011 Invited Participant, Neglected Tropical Diseases Meeting: Defining Opportunities to Accelerate Translational Research, NIAID
 2010-2015 Nominating Committee Member, American Society Tropical Medicine and Hygiene
 2011-2014 Member, Tenure Allotment Committee, Yale School of Medicine
 2010-2013 Working Group on NIH Eukaryotic Pathogens and Disease Vectors Target Selection
 2010-2014 Scientific Working Group of the Biological & Emerging Infections Resources Repository Program of the ATCC, NIH
 2009-2013 Advisory Committee Member, Microbial Diversity Institute, Yale University
 2009 Advisory Committee Member, Vector Base
 2008-pres Advisory Board and Honorary Member, Eastern Africa Network for Trypanosomiasis (EANETT)
 2000-2008 Steering Committee Member, African Trypanosomiasis, WHO
 2007-2009 Organizing Committee, EMBO Workshop, "Molecular and Population Biology of Mosquitoes and Other Disease Vectors", Kolymbari, Greece
 2006 Invited Participant, Eukaryotic Pathogens and Disease Vector Sequencing Workshop, NIH
 2006 Invited Participant, Fogarty International Center, Strategic Planning Meeting
 2005 Committee Member Self Study, Department of Epidemiology and Public Health, YSM
 2003-2006 Disease Reference Group, Human African Trypanosomiasis, WHO
 2003 Invited Participant, Emerging Technologies for Vector Control, Bill and Melinda Gates, Seattle
 2004-2009 Member, Food and Agriculture Organization (FAO)/International Atomic Energy Commission (IAEA), Coordinated Research Participant, "Molecular Technologies to improve the effectiveness of the SIT"

- 1992-2002 Member, FAO/IAEA Coordinated Research Participant, "Application of Molecular Tools for Tsetse Genetics"
- 1995-2015 Member, Down's International Health Committee, Yale University

Journal Services

- 2008-2020 Editor in Chief, PLOS Neglected Tropical Diseases**
- 2021- Editorial Board Member, *Proc Natl Acad Sci U S A*
- 2020- Deputy Editor, PLOS Pathogens
- 2020- Front Matter Editor, PLOS Neglected Tropical Diseases
- 2007-2008 Deputy Editor, PLOS Neglected Tropical Disease,
- 2013-present Honorary Board Member, Open Access Insect Physiology
- 2008-present Editorial Board Member, Insect Biochemistry and Molecular Biology
- 2005-present Editorial Board Member, Faculty of 1000, Global Health Section
- 2004-2007 Kinetoplastid Biology and Disease, Editorial Board Member

Bibliography

1. DeMaggio AE, Unal-Aksoy S and D. Stetler. Microbodies in germinating fern spores, *Science*, 1979; 206: 580-582.
2. Aksoy S, Squires CL and C Squires Evidence for antitermination in *Escherichia coli* ribosomal RNA transcription, *J. Bacteriol*, 1984; 159: 260.
3. Aksoy S, Squires CL and C. Squires, Translational coupling of the *trpB* and *trpA* genes in the tryptophan operon of *Escherichia coli*. *J Bacteriol*, 1982; 157: 363.
4. Aksoy S, Lalor T, Martin J, Van der Ploeg LHT and FF Richards. Multiple copies of a retroposon interrupt Spliced Leader RNA genes in the African trypanosome, *Trypanosoma gambiense*. *EMBO Journal*, 1987; 6(12): 3819-3826.
5. Aksoy S, Williams S, Chang S and FF Richards. SLACS retrotransposon from *Trypanosoma brucei gambiense* is similar to mammalian LINEs, *Nucleic Acids Res.* 1990; 18(4): 785-792.
6. Villanueva M, Beard CB, Williams S, Richards FF and S. Aksoy. A new member of a family of site-specific retrotransposon is present in the spliced leader RNA genes of *T. cruzi*, *Mol Cell Biol.*, 1991; 12:6139-6148.
7. S Aksoy, Spliced leader RNA and 5S rRNA gene in *Herpetomonas spp.* are genetically linked, *Nucleic Acids Res.*, 1992; 20(4):913.
8. Aksoy S, Shay G, Villanueva M, Beard CB and FF Richards. The anatomy of the SL RNA genes in *Trypanosoma rangeli*, *Gene*, 1992; 113(2): 239-243.
9. Beard C, Mason P, Aksoy S, Tesh R and Richards, F. Transformation of an insect symbiont and expression of a foreign gene in the Chagas' disease vector *Rhodnius prolixus*. *Am J Trop Med Hyg*, 1992; 46:195-200.
10. Beard CB, O'Neill SL, Mason P, Woese C, Mandelco L, Tesh RB, Richards FF and S Aksoy. Genetic transformation and phylogeny of bacterial symbionts from the tsetse, *Glossina pallidipes* and *Glossina morsitans*, *Insect Mol Biol*, 1993;1(3):123.
11. O'Neill S, Gooding RH and S Aksoy, Phylogenetically distinct microorganisms reside in tsetse ovary and midgut tissues, *Med Vet Ent*, 1993;7:377-383.
12. Aksoy S, Pourhosseini A and A Chow. Mycetome endosymbionts of tsetse flies constitute a distinct lineage related to *Enterobacteriaceae*, *Insect Mol Biol*, 1995; 4(1):15-22.
13. S Aksoy, *Wigglesworthia* gen. nov and *Wigglesworthia glossinidia* sp. nov, a Taxon Consisting of the Mycetocyte-associated, Primary endosymbionts of tsetse flies, *Int. J. System Bacteriol*, 1995; 45(4): 848-51.
14. S Aksoy, Molecular analysis of the endosymbionts of tsetse fly: 16S rDNA locus and over-expression of chaperonins, *Insect Mol Biol.*, 1995; 4(1):23-29.

15. Durvasala RV, Gumbs A, Panackal A, Kruglov O, Aksoy S, Merrifield RB, Richards FF and CB Beard. Prevention of Insect Borne Disease: An Approach Using Transgenic Symbiotic Bacteria, *Proc. Natl. Acad. Sci. USA*, 1997; 94:3274.
16. Hypsa V and S. Aksoy, Phylogenetic characterization of two transovarially transmitted endosymbionts of the bedbug *Cimex lectularis* (Heteroptera:Cimicidae), *Insect Mol Biol*, 1997; 8:188-190.
17. Cappello M, Song L, Chen X, Chang BL, Harrison L, Narasimhan S, Charles CB and S Aksoy, Tsetse Thrombin Inhibitor: Bloodmeal-induced expression of an anticoagulant in the salivary glands and gut tissue of *Glossina morsitans morsitans*, *Proc. Natl. Acad. Sci. USA*, 1998; 95:14290-14295.
18. Alptekin D, Kasap H, Luleyap M, Aksoy S and M Wilson, Sandflies (Diptera:Psychodidae) Associated with Epidemic Cutaneous Leishmaniasis in Sanliurfa, Turkey, *J Med Ent.* 1999; 5:101-106.
19. Cheng Q and S Aksoy, Tissue tropism, transmission and expression of foreign genes in vivo in midgut symbionts of tsetse flies, *Insect Mol Biol*, 1999; 8(1):125-132.
20. Chen X, Song L and S Aksoy, Concordant evolution of a symbiont with its host insect species: molecular phylogeny of genus *Glossina* and its bacteriome-associated endosymbiont, *Wigglesworthia glossinidia*, *J Mol Evol*, 1999; 48(1):49-58.
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