

## CURRICULUM VITAE

### Steven N. Austad

**Address:** University of Alabama at Birmingham  
Department of Biology  
371 Campbell Hall  
1300 University Blvd

**Mailing:** CH 371  
1720 2<sup>nd</sup> Avenue South  
Birmingham, AL 35294-1170

**Telephone:** 205-934-8302 (phone)  
205-975-6097 (fax)

**E-mail:** [austad@uab.edu](mailto:austad@uab.edu)

**Website (Professional):** <https://www.uab.edu/cas/biology/people/faculty/steven-n-austad>

**Website (General):** <https://www.stevenaustad.com>

**Wikipedia:** [https://en.wikipedia.org/wiki/Steven\\_N.\\_Austad](https://en.wikipedia.org/wiki/Steven_N._Austad)

**Twitter:** @StevenAustad

#### PROFESSIONAL POSITIONS HELD:

##### At UAB

- 2021 – present: **Protective Life Endowed Chair in Healthy Aging Research.** University of Alabama at Birmingham (UAB)
- 2014 – present: **Distinguished Professor.** Department of Biology, UAB
- 2014 – present: **Co-director (and founding Director).** UAB Nathan Shock Center of Excellence in the Basic Biology of Aging.
- **Associate Director.** UAB Integrative Center for Aging Research.
  - **Senior Scientist.** UAB Nutrition Obesity Research Center.
  - **Senior Scientist.** UAB Center for Exercise Medicine.
  - **Senior Scientist.** UAB Diabetes Research Center
  - **Member.** UAB McKnight Brain Institute.
  - **Steering Committee Member.** UAB Mentored Experiences in Research, Instruction, and Teaching (MERIT) Program.
  - **Scientist.** UAB Alzheimer's Disease Center.
  - **Executive Committee Member.** UAB Comprehensive Neuroscience Center.
- 2014-2022: **Chair,** Department of Biology, UAB

**External**

- 2022 – 2023: **Interim Chair, Board of Directors**, American Federation for Aging Research
- 2019 – present: **Senior Scientific Director**, American Federation for Aging Research
- 2017 – present: **Co-director**, Nathan Shock Centers Coordinating Center.
- 2018- present: **Executive Committee**. National Institute on Aging Research Centers Collaborative Network
- 2014 – 2019: **Scientific Director**, American Federation for Aging Research
- 2004 – 2013: **Professor**. University of Texas Health Science Center at San Antonio, Dept. of Cellular & Structural Biology & Barshop Institute for Longevity & Aging Studies
- **Interim Director**, Barshop Institute for Longevity & Aging Studies (2012 – 2013)
  - **Director**, Biology of Aging Training Grant (2007-2013)
  - **Director**, Comparative Aging Core, Nathan Shock Center of Excellence in the Biology of Aging (2010 – 2013)
  - **Co-leader**, Biology of Aging Graduate Track (2006-2011)
- 1993 - 2013: **Affiliate Professor**. University of Washington School of Medicine, Seattle, Washington. Department of Pathology.
- 1997 - 2004: **Professor**. University of Idaho. Department of Biological Sciences
- 1993 - 1998: **Associate in Mammalogy**. Harvard University, Museum of Comparative Zoology.
- 1993 - 1997: **Associate Professor of Zoology**. University of Idaho. Department of Biological Sciences.
- 1990 - 1992: **Associate Professor**. Harvard University. Department of Organismic & Evolutionary Biology.
- 1986 - 1990: **Assistant Professor**. Harvard University. Department of Organismic & Evolutionary Biology.
- 1984 - 1986: **Visiting Research Assistant Professor**. University of New Mexico. Department of Biology. (Advisor: Randy Thornhill)
- 1981 - 1983: **Research Associate & Visiting Instructor**. Purdue University. Department of Biological Sciences. (Advisor: Kerry Rabenold)
- 1972 - 1975: **Head Animal Trainer**. Lions, Etc. Inc. Noel Marshall Enterprises. Hollywood, California.

**HONORS AND AWARDS: <https://mobile.twitter.com/StevenAustad>**

- 2023: Lifetime Contributions Award. Longevity Summit Dublin 2023
- 2022: Sigma Xi Distinguished Lecturer (2022 – 2024)
- 2022: 2022 UAB Richard B. Marchase PhD Interdisciplinary Research Award
- 2022: Elected member, Academy of Health and Lifespan Research
- 2021: Inaugural Protective Life Endowed Chair in Healthy Aging Research
- 2020: Caroline P. and Charles W. Ireland Prize for Scholarly Distinction. University of Alabama at Birmingham, College of Arts & Sciences
- 2019: George C. Williams Prize (for most significant paper published in Oxford University Press' *Evolutionary Medicine and Public Health* in the previous year). Shared with Jessica M. Hoffman. *International Society for Evolutionary Medicine and Public Health*.
- 2019: Tulane Center for Aging, Distinguished Lecture in Aging. Tulane University, New Orleans, Louisiana.
- 2018: Outstanding Teacher Award. UAB University Honors Program.
- 2018: William Darden Endowed Lecture. University of Alabama
- 2016: Elected Fellow, American Association for the Advancement of Science
- 2015: *Fondation IPSEN* Longevity Prize. Boulogne-Billancourt, France.
- 2012: Huck Institutes of Life Sciences Distinguished Lecture. Pennsylvania State University, State College, PA
- 2011: Irving S. Wright Award of Distinction. American Federation for Aging Research. New York City, New York.
- 2011: The Fogarty Family Foundation Lecture. The University at Albany's Cancer Research Center. Albany, New York.
- 2008: Outstanding Alumnus Award, Purdue University, Dept. of Biological Sciences, West Lafayette, Indiana.

- 2008: Robert R. Kohn Memorial Lecture. Case Western Reserve University, Cleveland, OH
- 2008: Distinguished Lecturer/Visiting Scholar, Ithaca College, Institute of Gerontology, Ithaca, NY
- 2007: Inaugural Vincent J. Cristofalo Memorial Lectureship. Institute on Aging, University of Pennsylvania, Philadelphia, PA
- Hayflick Lecture. University of Alabama Birmingham, Department of Nutrition Sciences, Clinical Nutrition Research Center, Birmingham, AL
- 2004: The Thomas Cole Endowed Lectures. Wabash College, Crawfordsville, Indiana.
- 2003: The Robert W. Kleemeier Award for Outstanding Research. Gerontological Society of America.
- William Darden Endowed Lecture. University of Alabama, Tuscaloosa, Alabama
- 2001: University of Idaho Interfraternity Council/Panhellenic Council Faculty Member of the Year.
- 2001: Frank H. Nelson Distinguished Lecturer in Molecular Biology, Biotechnology and Medicine. Montana State University.
- 2000: Timothy W. and Katherine Altorfer Swain Endowed Lecture in Community Health, The University of Illinois College of Medicine at Peoria. Peoria, Illinois.
- 1999: Ellison Medical Foundation Senior Scholar Award
- 1997: Bennett J. Cohen Memorial Lecture. University of Michigan, Institute of Gerontology.
- 1997: Phi Kappa Phi/University of Idaho Alumni Association Distinguished Faculty Award.
- 1994: Fifth Nathan A. Shock Award, Gerontological Research Center of the National Institute on Aging.
- 1994: Winner (with John P. Phelan) Geron Corporation - Samuel Goldstein Distinguished Publication Award, Journals of Gerontology: Biological Science
- 1993: Elected Member, New York Academy of Sciences, New York, NY
- 1993: Elected **Fellow**, Gerontological Society of America: Biological Sciences Section, Washington, DC

## **PROFESSIONAL SERVICE:**

### On-going

- 2021 – present. **Program Consultant.** NIH Common Fund's Cellular Senescence Network Program (SenNet).
- 2019 – present. **Member.** Observational Study Monitoring Board of the NIH/NIA Longevity Consortium. San Francisco, CA.
- 2018 – present. **Executive Committee.** National Institute on Aging Research Centers Collaborative Network.
- 2017 – present. **External Advisory Committee.** University of Washington Nathan Shock Center of Excellence in the Basic Biology of Aging.
- External Advisory Committee.** University of Oklahoma Health Science Center External Advisory Committee
- 2009 – present: **External Advisory Committee,** Mayo Clinic Kogod Center on Aging, Rochester, MN
- 2007 – present: **Board of Directors,** American Federation for Aging Research, New York, NY.

### Past

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- 2023: **Chair.** National Institute on Aging ZAG1 ZIJ-3(C1) Contract Review Panel. Primate Aging Database
- Member.** National Institute on Aging ZAG1-ZIJ-9 (M1) Grant Review Panel. Policy and AD and ADRD Healthcare Disparities: Access, Utilization, and Quality
- 2022: **Chair.** National Institute on Aging ZAG1 ZIJ-4 (M1) Grant Review Panel. Animal Models of Aging.
- Chair.** National Institute on Aging ZAG1 ZIJ-1 (C1) Contract Review Animal. Aged Mouse Colony
- Member.** National Institute on Aging ZAG1 ZIJ-3(J2) Review Panel. The Dog Aging Project
- 2021: **Editorial Review Board.** NIH Director's Early Independence Awards.

- Review Panelist.** NIH Cellular Senescence Network: Tissue Mapping Centers. ZRG1 CB-D (70)
- 2012 – 2020: **Steering Committee.** National Institute on Aging Intervention Testing Program, Bethesda, MD
- 2020: **Editorial Board.** NIH Director’s Early Independence Award Review Panel.  
**Invited Member.** Marmoset Model U34 Review Panel. ZAG1 ZIJ-1 M1.
- 2019: **Editorial Board.** NIH Director’s Early Independence Award Review Panel. ZRG1 PSE-H (70)  
R. Bethesda, MD  
**Invited Participant.** NIH Knockout Mouse Phenotyping Project Community Workshop.  
Bethesda, MD  
**Chair.** National Institute on Aging Contract Review. NIA ZAG1 ZIJ-G(C1). Pathology monitoring of aged rodent colonies.  
**Chair.** National Institute on Aging Grant Review Panel. NIA ZAG1 ZIJ-P (J5). Hallmarks of Aging and Alzheimer’s Disease.
- 2018: **Member.** UAB Department of Mathematics Chair Search Committee  
**Member.** UAB Department of Philosophy Chair Search Committee  
**Chair.** National Institute on Aging Special Emphasis Panel. ZAG1 ZIJ-U (C1). Primate Aging Database and Management.  
**Member.** National Institute on Aging Special Emphasis Panel [ZAG1 ZIJ-1 (O1)]. Second stage program project reviews.  
**Chair.** National Institute on Aging Special Emphasis Panel. ZAG1 ZIJ-U (C2). Development and Maintenance of a Non-Human Primate Tissue Bank.  
**Invited Member.** UAB Department of Neurobiology Chair Search Committee  
**Invited Member.** UAB Nutrition Obesity Research Center Director Search Committee  
**Invited Member.** National Institute on Aging Special Emphasis Panel [ZAG1 ZIJ-G (J1)] ADC P30 Review
- 2017 -- 2018 **Invited Member.** UAB Department of Neurobiology Chair Search Committee  
**Invited Member.** UAB Nutrition Obesity Research Center Director Search Committee
- 2015 – 2018. **Jury Member.** *Fondation IPSEN* Longevity Prize.
- 2013 – 2018. **External Scientific Advisory Committee.** Duke Lemur Center, Durham, NC
- 2013 – 2017: **Steering Committee.** R24 Geroscience Network. Mayo Clinic. Rochester, MN
- 2017: **Invited Member.** National Institute on Aging Special Emphasis Panel [ZAG1 ZIJ-1 (O1)].  
Second stage program project reviews.
- 2016: **Chair.** National Institute on Aging Contract Review RFP HHS-NIH-NIDA (AG) RFP 25-012.  
Development and Maintenance of an Aged Rodent Tissue Bank.  
**Chair.** National Institute on Aging Review Panel ZAG1 ZIJ-9 (01). Biodemography and Aging P01.  
**Chair.** National Institute on Aging Contract Review Panel RFP HHS-NIH-NIDA(AG)-15-007,  
Development and Maintenance of a Multigenotype Aged Rat Colony.  
**Chair.** National Institute on Aging Contract Review Panel RFA-AG-17-001. ZAG1 ZIJ-2 (J4).  
Worm Interventions Testing Program.
- 2015: **Invited Member,** National Institute on Aging Summer Research Training Grants for Medical Students (T35) Study Section. ZAG1 ZIJ-3 (M2).  
**Chair,** National Institute on Aging Special Study Panel ZAG1 ZIJ-9 (J1). Integrative perspectives in early life.  
**Invited Member,** National Institute on Aging Special Emphasis Panel ZAG1 ZSIJ (J4)  
Physiological Studies on Aging.
- 2014: **Chair,** National Institute on Aging Special Emphasis Study Panel ZAG1 ZIJ-5 (C1):  
Development and Maintenance of an Aging Cell Bank.  
**Invited Member,** National Institute on Aging Division of Aging Biology Review Group, co-Chair (with Thomas Rando) Subcommittee on Metabolism, Stress, and Inflammation.  
**Chair,** NIH Study Section ZRG1 PSE-R (58). Biodemography of Aging.

- 2013 – 2015: **Invited Member**, Executive Committee. R24 Canine Longevity Consortium. University of Washington, Seattle, WA.
- 2013 – 2014. **Invited Member**, Scientific Advisory Board, Glenn Foundation for Medical Research. Santa Barbara, CA
- 2013: **Chair**, Special Emphasis NIH Study Section ZAG1 ZIJ-5 (C2). Management of the Primate Aging Database.
- Ad hoc reviewer**. NIH Study Section ZRG1 F05-R(20)L. Fellowships: Cell Biology, Developmental Biology, and Bioengineering.
- Chair**, Special Emphasis NIH Study Section ZRG1 PSE H(59) R. Biodemography
- Invited Member**. National Academies Keck Futures Initiative Healthspan Seed Grant Review Working Group.
- 2010 – 2013: **Deputy Scientific Director**, American Federation for Aging Research, New York, NY
- Member**, Public Policy Committee, Gerontological Society of America, Washington, D.C.
- 2010 – 2012: **Vice President & Chair, Research Committee**, American Federation for Aging Research, New York, NY.
- 2001 – 2013: **Invited Member**. Initial Review Board: Aging. The Ellison Medical Foundation. Bethesda, Maryland & New York City, NY.
- 2004 – 2012: **Co-director** (with Gary Ruvkun, Harvard University), Molecular Biology of Aging Training Course. Marine Biological Laboratory, Woods Hole, Massachusetts
- 2009 – 2013: **Invited Member**, National Scientific Advisory Board, Texas Biomedical Research Institute, San Antonio, TX
- 2011: **Invited Member**, NIH/NIA Institutional Research Training Grant Study Section
- Consultant**, Perot Museum of Nature and Science, Aging Exhibition. Dallas, TX
- 2010 **Invited Member**, NIH Special Emphasis/Scientific Review Group, Cellular & Development Biology Fellowships (ZRG1 F05-C20)
- 2008 – 2009: **Chair**, Ellison/AFAR Postdoctoral Research Grant Review Committee, New York, NY
- 2008 – 2010: **Member**, Publications Committee, Gerontological Society of America, Washington, DC
- Invited Member**, National Institute on Aging Special Emphasis Study Section (ZAG ZIJ-2), Juvenile Protective Factors, Bethesda, MD
- 2008: **Chair**, National Institute on Aging Special Emphasis Study Section (ZAG ZIJ-7), Primate Aging Database.
- 2007: **Invited Member**, National Academies Keck *Futures Initiative* Aging and Longevity Steering Committee.
- 2006 – 2011: **Invited Member**, External Advisory Committee, Jackson Laboratory Aging Center, Bar Harbor, Maine.
- 2005 -- 2006: **Ad hoc reviewer**. NIH/NIA-S Social and Behavioral Science Study Section.
- 2003 – 2004: **Charter Member**, NIH Study Section Cellular Mechanisms of Aging and Development.
- 2002 – 2010: **Representative**, Gerontological Society of America Representative to the American Association for the Advancement of Science, Washington, D.C.
- 2001: **Chair**, Gerontological Society of America, Biological Sciences Section.
- 2000 – 2004: **Consultant**. Oregon Museum of Science and Industry. *The Nature of Aging* Exhibition. Portland, Oregon
- 2000 – 2001: **Consultant**. American Museum of Natural History. Exhibition on Aging & Longevity. New York, New York.
- 2000 – 2006: **Member**, Executive Scientific Advisory Board. *Science of Aging Knowledge Environment*. American Association for the Advancement of Science & High Wire Press.
- 1993 – 1994: **Member**. Fellowship Committee. Gerontological Society of America, Washington, DC.
- 1992 - 1997: **Member**, Science Advisory Board. National Public Radio, Washington, D.C.
- 1990 - 1992: **Member-at-Large**. National Executive Committee, Animal Behavior Society.

1987 - 2001: **Naturalist-Guide.** Harvard Alumni Association and Harvard Museum of Natural History (Africa, Asia, South America, Australia, Antarctica).

1987 - 1989: **Member.** Massachusetts State Right Whale Advisory Committee. Massachusetts Division of Fisheries & Wildlife, Boston, MA.

**DEGREES:** B.A. English Literature. University of California, Los Angeles. 1969.  
B.A. Biology (*summa cum laude*). California State, University, Northridge. 1976.  
Ph.D. Biological Sciences. Purdue University. 1981. (advisor: Peter M. Waser)

**COURSES TAUGHT:**

Harvard: Introductory Biology (Undergraduate)  
Ecology (Undergraduate)  
Molecular Genetics of Aging (Graduate)

University of Idaho: Introductory Biology (Nonmajor undergraduates)  
Evolution (Undergraduates)  
Ecology (Undergraduates)  
General Zoology (Undergraduates)  
Bioethics (Undergraduates)  
Aging Cells to an Aging Society (Honors Course)  
Scientific Communication (Graduate)

University of Texas  
Health Science Center: Scientific Writing (Graduate)  
Biology of Aging (Graduate)  
Animal models (Graduate)  
Integrating molecular biology with clinical research (Professional)  
Patient oriented clinical research methods (Professional)

UAB: Sustainability: Interdisciplinary Honors Course (University Honors Program)  
Neighborhood and Communities: Interdisciplinary Honors Course (University Honors Program)  
Conflict and Cooperation: Interdisciplinary Honors Course (University Honors Program)  
Aging: Cells to Society (Undergraduate Course)  
Biology of Aging (Undergraduate/Graduate Course)  
Biological Processes in Aging (Undergraduate/Graduate Course)  
Molecular Biology of Aging (Graduate seminar)  
Contemporary Topics in Biology (Undergraduate nonmajors)  
Signs, Codes, and Symbols: Interdisciplinary Honors Course (University Honors Program)  
Extended Topics in Contemporary Biology (Undergraduate nonmajors)  
Introduction to Evolutionary Processes (Undergraduate/Graduate course)  
Biology of Sex (Undergraduate course)

**GRANTS (PI unless otherwise indicated):**

A New Translational Rat Model for evaluating Anti-Aging Interventions. NIH/NIA R21 AG072137. 2022-2023. \$303,219. (co-PI. MPI with Arlan Richardson)

Comparative Bioenergetics of Aging. NIH/NIA P30 AG 050886 08S1 6/15/22-5/31/23. \$371, 250.

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- A Four Core Genotype (FCG) Approach to Investigating Sex Differences in Health and Longevity. NIH/NIA R21 AG058811. 2018 – 2021. \$408,375.
- The Integrative Center for Aging Research. UAB University-Wide Integrative Research Center. UAB VP for Research Office. 2019-2024. \$1,550,000. (co-I. PI: Ken Boockvar).
- A Sex Difference Approach to Evaluating Resilience in Mice. NIH/NIA R01 AG057434. 2017-2022. \$1,522,125.
- AIDS and Aging Research Platform (AARP). (Multiple PI grant. PIs: Austad, Crane, Kritchevsky) NIH/NIA R33 AG067069. 2020 – 2025. \$3,904,545.
- Nathan Shock Centers Coordinating Center. (PI [multi-PI grant]), S. Lederman, also PI) (to American Federation for Aging Research). NIH/NIA U24 AG056053. 2017-2025. \$2,060,820 (in current funding phase).
- Obesity and Longevity Across Generations. (co-I, PI=David Allison, Indiana University NIH/NIA R01 AG057703. 9/01/18 – 5/31/22. \$248,546 (annual).
- Comparative Energetics and Aging. Nathan Shock Center of Excellence in the Basic Biology of Aging. NIH/NIA P30 AG 050886. National Institute on Aging. 2015-2025. \$4,463,455 (in current funding phase).
- Comparative Energetics and Aging Supplement. Analysis of sex differences in rodent models. NIH/NIA 3 P30 AG050886-02S. 9/15/2016 – 06/30/2017 \$99,904.
- Comparative Energetics and Aging Supplement. Sex hormones and arthritis in a long lived animal model. NIH/NIA 3P30AG050886-03S1. 9/15/2017 – 6/30/2018. \$62,050
- Disease Drivers of Aging. 1R13AG053043-01. National Institute on Aging (to New York Academy of Sciences). 2016-2017. \$45,000.
- Energetics, Disparities, & Lifespan A unified hypothesis. (Co-investigator, D. B. Allison, PI) NIH/NIA R01 AG043972. 2012-2017. \$8,048,469.
- Hydra: new models for aging research. R01 AG037962. National Institute on Aging. 2010-2015. \$1,331,000.
- Does rapamycin delay cardiac aging in rats? Owens Foundation for Medical Research. 2011 – 2014. \$57,000.
- Development of a barrier colony of common marmosets. R24 RR023344. National Center for Research Resources/National Institutes of Health. 2010-2014. \$2,269,888.
- Can rapamycin retard age-related diseases? RC2 AG036613. National Institute on Aging/National Institutes of Health. 2009-2011. \$319,238 (co-investigator, A. Richardson, PI).
- Nathan Shock Center of Excellence in the Basic Biology of Aging. P30AG13319. National Institute on Aging/National Institutes of Health. 2010-2015 (Director, Comparative Aging Core). \$386,545.
- Assessment of murine healthspan. P30 AG13319-15S1. National Institute on Aging/National Institutes of Health. Nathan Shock Center Competitive Supplement. \$240,596. 2009-2010 (co-investigator, A. Richardson, PI).
- Mechanisms of Exceptional Longevity in the World's Longest-Lived Animal. R01 AG035327. 2009-2012, National Institute on Aging/National Institutes of Health. 2009-2012. \$872,000.
- Training Grant on the Biology of Aging. 5T32AG021890. National Institute on Aging/National Institutes of Health. 2006-2018. \$4,338,780.
- The Interplay of Calorie Restriction and Infectious Disease Resistance. 2007-2009. Glenn Foundation for Medical Research. \$50,000.
- Developing the Domestic Dog as a Model of Extended Healthspan. 2008-2009. National Academies Keck Futures Initiative. \$25,000.
- Comparative Mechanisms of Exceptionally Slow Aging. 1R01AG022873. 2003-2008. \$1,485,000.
- Age-associated inflammation increases susceptibility to pneumococcal infection (co-investigator, PI: Carlos Orihuela). R21AG029313. 2006-2008. \$125,000.
- San Antonio Comparative Biology of Aging Center. 1K07AG025063. 2004-2009. \$540,000.
- Conference on the Biology of Aging. National Institutes of Health. 1R13AG019673. 2001-2002. \$37,500.
- Conference on the Biology of Aging. Ellison Medical Foundation. 2001. \$7,500.
- Wild-Derived Mouse Stocks: New Models for Aging Research. National Institutes of Health. R01 AG13711-04. 2000-2005. \$157,500. (co-PI. PI = Richard A. Miller, University of Michigan).

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- Genetic Mechanisms of Exceptional Oxidative Damage Resistance in Birds. The Ellison Medical Foundation Senior Scholar Award. AG-SS-0426-99. 2000-2004. \$835,860
- Gene Action in the Pathobiology of Aging. National Institutes of Health. PO1 AG01751-18. 1996-2001. \$213,976. (co-PI. PI = George M. Martin, University of Washington)
- Wild-Derived Mouse Stocks: New Models for Aging Research. National Institutes of Health. R01 AG13711. 1996-1999. \$97,440. (co-PI. PI = Richard A. Miller, University of Michigan)
- Aging and Caloric Studies in Wild-Derived Mice. Idaho State Board of Education 97-003. 1996-1997. \$33,588.
- The Rate and Genetics of Life History Evolution: a Molecular Approach. Idaho. NSF EPSCoR Minigrant. \$3,000.
- Manipulation of Aging in the Virginia Opossum: Dietary Restriction. National Institutes of Health. AG11534. 1992 - 1995. \$529,536.
- Conservation of the montane cuscuses of Papua New Guinea: habitat requirements and interspecific interactions. Wildlife Conservation International. 1992-1994. \$44,000.
- Manipulation of Aging in the Virginia Opossum. National Institutes of Health. James A. Shannon Director's Award. AG09700-01. 1991-1993. \$100,000.
- Factors Influencing Aging Rate in Virginia Opossums. Public Health Service NIH/NIA. 1 F32 AG05515-01. 1990 - 1993. \$91,500. (with Donna J. Holmes).
- Research Experience for Undergraduates. National Science Foundation DIR-8901004. 1989-1991.(with B. Waldman, M.D. Bowers, J.M. Carpenter, and W.H. Bossert). \$127,344.
- Research Experience for Undergraduates. National Science Foundation BBS 8804481. 1988. (with M.D. Bowers, B. Waldman, R.L. Honeycutt). \$40,000.
- Manipulation of Aging in Wild Populations of Opossums. William F. Milton Fund. 1988. \$6,000.
- Research Experience for Undergraduates. National Science Foundation. BBS 8712624. 1987. (with M.D. Bowers, B. Waldman, R.L. Honeycutt, and J. Birchler). \$40,000.
- Components of Individual Selection. National Science Foundation BSR-8515377. January 1986 - December 1988. (with Randy Thornhill and David Ligon). \$240,000.
- Sexual Selection and the Heritability of Its Associated Traits. National Science Foundation BSR-8305774. April 1984 - September 1987. (with Randy Thornhill). \$77,000.
- Age- and Resource-dependent Allocation of Reproductive Investment. National Science Foundation BSR-83-15125. January 1984 - December 1985. (with John F. Eisenberg & Mel E. Sunquist). \$78,000.

## PUBLICATIONS: BOOKS

- Austad, S.N.** (2022). *Methuselah's Zoo: What Nature Can Teach Us About Living Longer, Healthier Lives*. MIT Press, Cambridge, Massachusetts. 320 pp. isbn. 978026204709 hardcover). Excerpted in *The Atlantic* and *Salon*. Available in Korean and Japanese. Chinese translation forthcoming.
- Austad, S.N.** (2022). *To Err is Human, To Admit It is Not and Other Essays: Thoughts on Criminal Justice, Health, Holidays, Nature, and the Universe*. Resource Publications, Eugene, Oregon. 266 pp. paperback isbn: 978-1-6667-3823-0, hardcover isbn: 978-1-6667-9864-7, ebook isbn: 978-1-6667-9865-4.
- Masoro EJ & **Austad SN** (eds). (2011) *Handbook of the Biology of Aging*, 7th Edition. Academic Press, San Diego, CA. 520 pp.
- Masoro EJ & **Austad SN** (eds). (2006) *Handbook of the Biology of Aging*, 6th Edition. Academic Press, San Diego, CA. 660 pp.
- Masoro EJ & **Austad SN** (eds.) (2001) *Handbook of the Biology of Aging*, 5th Edition. Academic Press. 534 pp
- Kiklevich JV & **Austad SN**. 2002. *Real People Don't Own Monkeys: And Other Stories of Pets, Their People, and the Vets Who See It All*. Sourcebooks: Naperville, IL. 258 pp.
- Austad SN**. 1998. Aging. In: *Incredible Voyage: Exploring the Human Body*. National Geographic Press: Washington, D.C. pp. 238-285.
- Austad SN**. 1997. *Why We Age: What Science Is Discovering about the Body's Journey Through Life*. John Wiley & Sons: New York. 256 pp. Paperback edition published April 1999.

Available in Chinese (both Mainland & Taiwan variants), Italian, Spanish, Finnish, Czech, Japanese, Korean, and Russian.

## PUBLICATIONS: SCIENTIFIC JOURNALS & BOOK CHAPTERS

- Pickering AM, Kim HS, Parker DJ, Hardiman MM, Munkácsy E, Jiang N, Rogers AN, Bai Y, Brent CS, Mobley JA, **Austad SN** (2023). Early-adulthood spike in protein translation drives aging via juvenile hormone/germline signaling. *Nature Communications*. Aug 18;14(1):5021. doi: 10.1038/s41467-023-40618-x.
- Sathiaseelan R, Ahn B, Logan S, Wanagat J, Nguyen HVM, Hord NG, Vandiver AR, Selvarani R, Ranjit R, Yarbrough H, Masingale A, Miller BF, Wolf RF, Stout MB, **Austad SN**, Richardson A. (2023). A genetically heterogeneous rat model with divergent mitochondrial genomes. *Journals of Gerontology: Biological Sciences & Medical Sciences* 78(5), 771-779. doi: 10.1093/gerona/glad056.
- Corder KM, Carter CS, Hoffman JM, Sogorovic A, **Austad SN**. (2023). Behavioral comparison of the C57BL/6 inbred mouse strain and their CB6F1 siblings. *Behavioural Processes*. Jan 28. Online ahead of print. 104836. doi: 10.1016/j.beproc.2023.104836.
- Austad SN**. (2023). George M. Martin: tribute and personal remembrance. *GeroScience*. Feb. 6. Online ahead of print. doi: 10.1007/s11357-023-00747-z.
- Ruderman SA, Nance RM, Drumright LN, Whitney BM, Hahn AW, Ma J, Haider L, Eltonsy S, Mayer KH, Eron JJ, Greene M, Mathews WC, Webel A, Saag MS, Willig AL, Kamen C, McCaul M, Chander G, Cachay E, Ober WB, Pandya C, Cartujano-Barrera F, Kritchevsky SB, **Austad SN**, Landay A, Kitahata MM, Crane HM, Delaney JAC. (2023). Development of frail RISC-HIV: a risk score for predicting frailty risk in the short-term for care of people with HIV. *AIDS*. Feb 1. doi: 1-0.1097/QAD.0000000000003501. Online ahead of print.
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- Editorial Board, Mechanisms of Aging & Development, 2001 - 2022.
- Editorial Board Member. *Longevity and Healthspan*. 2011-present.
- Editorial Board Member. *Journal of Population Ageing*, 2007-present.
- Editorial Board, *Biogerontology*, 1999 - present.
- Editorial Board, *Geroscience* (formerly AGE), 2015-present.
- Editorial Consultant, *Aging: Clinical and Experimental Research*, 1998-present.
- Supervising Editor, *Aging Cell*, 2006-2018.
- Associate Editor, *Journals of Gerontology: Biological Sciences*, 2000 - 2018.
- Associate Editor. *Annual Review of Gerontology and Geriatrics*. Springer Publ. Co, New York. 2008 – 2016.
- Section Editor (Model Systems) *Neurobiology of Aging*, 2005 – 2011.
- Co-editor (with C.E. Finch). 2001. Special Issue of *Experimental Gerontology*. Proceedings. Symposium on Slowly-aging Organisms.
- Section Editor (New Theories of Aging & Longevity) *Aging Cell*, 2003-2006.
- Associate Editor *The American Naturalist*, 1998-2000.
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### **NONTECHNICAL PUBLICATIONS:**

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**Austad, S.N.** 1995. Hope for the Botanically Challenged (film and book review). *Natural History*. 10/95: 26-28.

**Austad, S.N.** 1995. Stressed to kill (book review). *Natural History* 1/95: 66-68.

**Austad, S.N.** 1994. Reflections on slime (book review). *Natural History* 2/94: 62-63.

**Austad, S.N.** 1992. On the nature of aging. *Natural History*. 2/92:25-52.

**Austad, S.N. & R. Thornhill.** 1991. The bug's for you. *Natural History*. 12/91:44-49.

**Austad, S.N.** 1991. Testing the rate-of-living theory. *Gerontology News*. August.

**Austad, S.N.** 1988. The adaptable opossum. *Scientific American* 258(2):98-105.

**Austad, S.N.** 1988. More sons for plump possums. *Natural History* 97(4):74-75.

**Austad, S.N.** 1986. Opossums. *New Book of Knowledge*. Grolier Educational Corp.

**Austad, S.N.** 1986. Changing Sex Nature's Way. *International Wildlife*. 16:29.

**Austad, S.N.** 1985. Marriage Penalties. *International Wildlife*. 15:29.

**Austad, S.N.** 1985. Spider's Fibers. *International Wildlife*. 15:51.

**Austad, S.N.** 1984. 'Possums are Survivors. *National Wildlife* 23:20-24.

## **INVITED PARTICIPANT (LECTURES, SYMPOSIA, CONFERENCES, COURSES, & WORKSHOPS):**

- 2023
- Invited participant. International Longevity Center UK. Roundtable discussion. *Trial and Error: Supporting age diversity in clinical trials*. (virtual)
  - Invited panelist. Fireside Chat with FDA Commissioner, Robert Califf. Kitalys Institute. (virtual)
  - Invited speaker. *Science in Your Life* lecture series, Vassar Brothers Institute, Poughkeepsie, NY (virtual)
  - 2023 Grad student Invited Speaker. Cellular & Molecular Biology and Genetics Training Program, Albert Einstein College of Medicine, New York, NY
  - Invited Sigma Xi lecturer. The Jackson River Governor's School of Science, Mathematics, and Technology, Mountain Gateway Community College, Clifton Forge, VA. (virtual)
  - Invited Sigma Xi lecturer. Greenbrier Valley Chapter of Sigma Xi and the West Virginia School of Osteopathic Medicine, Lewisburg, WV. (virtual)
  - Invited opening keynote speaker. McKnight Brain Institute 14<sup>th</sup> annual Interinstitutional Meeting. Birmingham, AL
  - Invited speaker. Biology of Aging Symposium IV 2023: *Toward the Biology of Healthy Longevity*. Montréal, Canada
  - Invited seminar speaker. Columbia University Vagelos College of Physicians and Surgeons. New York, NY

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- Invited speaker. The 36<sup>th</sup> Annual AFAR Grantee Conference and Glenn Workshop on the Biology of Aging. Santa Barbara, CA
  - Invited speaker. Longevity Summit Dublin 2023. Dublin, Ireland
- 2022
- Invited speaker and session moderator. Second Euro Geroscience Conference. Toulouse, France. (virtual participation).
  - Speaker and conference co-organizer. FASEB Scientific Research Conference on The Mobile DNA Conference: Evolution, Diversity, and Impact. Malahide, Ireland
  - Invited speaker. National Institute on Aging New Investigator Forum. Bethesda, MD
  - Invited speaker. National Academy of Medicine, Aging Interest Group. Washington, DC
  - Invited panelist. Targeting Metabesity 2022. A Virtual Conference on Extending Healthspan.
  - Invited speaker. University of Colorado/Colorado State University graduate course in Physiology of Aging (virtual).
  - Invited speaker. DRIFT (Discovery Research In Founder Populations) Symposium. Regeneron Genetics Center. Los Angeles, CA.
  - Invited speaker. Osher Lifelong Learning Institute, University of Michigan (virtual)
  - One Health Day invited speaker. University of Missouri College of Veterinary Medicine.
  - Symposium co-organizer and speaker. Update on Geroscience for Nonbiologists. Gerontological Society of America Annual Meeting. Indianapolis, IN
  - Invited speaker. Sex dimorphism in Aging symposium. Gerontological Society of America Annual Meeting. Indianapolis, IN
- 2021
- Invited speaker. Targeting Metabesity 2021, A Virtual Conference on Extending Healthspan
  - Invited speaker. Annual meeting of American Society for Bone and Mineral Research. San Diego, CA
  - Invited moderator. Discussion with Michael Dolsten (Chief Scientific Officer, Pfizer, Inc.) and Francis Collins (NIH Director). American Federation for Aging Research 40<sup>th</sup> Anniversary Scientific Symposium and Awards Ceremony. New York City, New York (virtual participation).
  - Invited seminar speaker. Department of Cellular Biology and Anatomy. Medical College of Georgia. Augusta, GA.
  - Speaker & Co-organizer (with Victoria P. Belancio, David A. Largaespada, Molly Gale Hammell, and Josefa González). FASEB Scientific Research Conference. The Mobile DNA Conference: Evolution, Diversity, Impact. (virtual)
  - Invited speaker. National Institute on Aging Workshop. Determinants of Species Differences in Human and Nonhuman Primates. Life Spans and Health Spans (virtual)
  - Invited speaker. Organization for the Study of Sex Differences. Symposium on sex differences in aging and longevity (virtual)
  - Invited speaker. Princeton University. Comparative Biology of Aging (virtual)
  - Invited Webinar speaker: It's Not What You Eat, But When: the impact of diet on healthy aging. American Federation for Aging Research
  - Invited Webinar speaker: Stronger, Longer, muscle mass and aging. American Federation for Aging Research
  - Invited Webinar speaker: Best Practices for Using Animals in Aging Research. American Federation for Aging Research
  - Invited Webinar speaker: Live Better, Live Longer Series: Sex Differences in Aging. Prevention Magazine/Men's Health Magazine/American Federation for Aging Research.
  - Invited speaker. UAB National Alumni Society (virtual)
  - Invited speaker. National Institute on Aging Exceptional Longevity Network (virtual)

- 2020
- Invited speaker. Metabesity 2020 Conference (virtual)
  - Invited seminar. University of Colorado, Department of Integrative Physiology (virtual)
  - Invited speaker. Protective Life Insurance executives “Lunch and Learn” (virtual)
  - Keynote speaker. UAB Department of Biochemistry and Molecular Genetics Annual Retreat (virtual)
  - Invited speaker. American Federation for Aging Research and Grants-in-Aging Webinar on Biology of Aging and Readiness for COVID-19 vaccines (virtual)
  - Invited seminar. UAB Department of Epidemiology (virtual)
  - Invited speaker. Gerontological Society of America Annual Meeting. Symposium on Biology of Aging for Nonbiologists (virtual)
- 2019
- Invited speaker. Distinguished Lecture in Aging, Tulane Center for Aging, Tulane University, New Orleans, LA
  - Invited speaker. Department of Medicine Grand Rounds. New York University School of Medicine. New York City, NY.
  - Invited speaker. University of Washington Healthy Aging and Longevity Research Institute. University of Washington, Seattle, WA
  - Invited speaker, Research Centers Collaborative Network Workshop on Sex and Gender Differences in Aging. Los Angeles, CA
  - Invited faculty lecturer. National Institute on Aging’s Butler-Williams Scholarship Program, Bethesda, MD.
  - Invited speaker. International Perspective on Geroscience Israel Conference. Weizmann Institute of Science, Rehovot, Israel.
  - Invited Keynote speaker. Postdoctoral Researchers Day. University of Connecticut Medical School. Farmington, CT
  - Invited Keynote speaker. 30<sup>th</sup> Annual Research Symposium: Chronic Disease and Aging: Virginia-Maryland College of Veterinary Medicine, Blacksburg, VA.
- 2018
- Invited speaker. 4<sup>th</sup> Institute for Basic Science Conference on Genetics of Aging and Life History. Daegu, Republic of Korea.
  - The Darden Lecture. University of Alabama, Department of Biological Sciences, Tuscaloosa, Alabama.
  - Keynote address. The Fourteenth International Symposium on Neurobiology and Neuroendocrinology of Aging. Bregenz, Austria.
  - Keynote address and external evaluator. Northwestern University Interdepartmental Neuroscience Program. Cognitive Neurology and Alzheimer’s Disease Center. Chicago, IL
  - Invited symposium speaker. Inside the Black Box: the mitochondrial basis of life-history variation and animal performance. Society for Integrative and Comparative Biology Annual Meeting. San Francisco, CA
  - Meeting co-organizer and speaker (with Emma Teeling, University College Dublin). Bats: New Models for Aging Research. The Banbury Center, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY
  - Invited seminar. Department of Biology. Birmingham Southern College. Birmingham, AL
  - Keynote Speaker. 2018 *Nothobranchius* Symposium. Max Planck Institute for the Biology of Ageing. Cologne, Germany
  - Invited symposium speaker. The Ninth Annual Glenn Workshop on the Biology of Aging. Santa Barbara, CA.
  - Faculty lecturer. National Institute on Aging’s Butler-Williams Scholarship Program, Bethesda, MD.
  - Invited speaker. 9<sup>th</sup> Aquatic Models of Human Diseases Symposium, Woods Hole, MA

- 2017
- Keynote Address. 2<sup>nd</sup> Scripps Florida Symposium on the Biology of Aging. The Scripps Research Institute, Jupiter, FL.
  - Invited speaker. 8th Aquatic Animal Models of Human Disease Conference. Birmingham, AL
  - Fellow Award recipient. American Association for the Advancement of Science Annual Meeting. Boston, MA.
  - Invited Seminar. Reynolds Oklahoma Center on Aging, University of Oklahoma Health Sciences Center, Oklahoma City, OK.
  - Invited speaker. Investment for Cures 2017. New York City, NY
  - Invited Seminar. University of Oklahoma, Department of Biology. Norman, OK.
  - Plenary speaker. Annual Women's Health Initiative Annual Meeting. Columbus, OH
  - Invited speaker. MIXiii Biomed. 16<sup>th</sup> National Life Science & Technology Week. Tel Aviv, Israel
  - Invited speaker and moderator. American Aging Association Annual Pre-meeting Conference. New York City, NY
  - Invited speaker. American Aging Association Annual Meeting. New York City, NY
  - Course Faculty. 25<sup>th</sup> Annual Summer Training Course in Experimental Aging Research. University of Washington, Seattle, WA
  - Course Faculty. National Institute on Aging's Butler-Williams Scholarship Program. Bethesda, MD
  - Session Chair and Speaker. A Cross-Species and Cross-National Examination of Sex Differences in Healthy Aging. 21<sup>st</sup> IAGG World Congress of Gerontology and Geriatrics. San Francisco, CA
  - Invited speaker and panelist. National Institute on Aging/McKnight Brain Institute-sponsored Cognitive Aging Summit III. Bethesda, MD.
  - Invited speaker. National Institute on Aging Taskforce on Minority Aging and Health Disparities. Bethesda, MD
  - Invited speaker. Stanford Center on Longevity 10<sup>th</sup> Anniversary Celebration. Palo Alto, CA.
- 2016
- Kintner Lecture. Mount Desert Island Biological Laboratory. Bar Harbor, ME.
  - Keynote Address. Geroscience Summit II. New York Academy of Sciences, New York, NY
  - Invited Faculty Lecturer. 2016 Butler-Williams Scholars Program. National Institute on Aging. Bethesda, MD
  - Invited Seminar. Department of Cell and Regenerative Biology, Wisconsin Institutes for Medical Research, University of Wisconsin, Madison, WI.
  - Invited Speaker. Annual Meeting of Paul B. Beeson Career Development Awards in Aging Research Program. Itasca, IL
  - Invited Speaker, National Institute on Aging Pre-meeting Symposium on Geroscience. New Orleans, LA
  - Invited Speaker. Symposium on Sex Differences in Aging. Gerontological Society of America Annual Meeting, New Orleans, LA
  - Invited Speaker. 50<sup>th</sup> Anniversary Symposium of the Duke Lemur Center. Durham, CN
  - Invited Seminar. Center for Evolution and Medicine. Arizona State University. Tempe, AZ (<https://evmed.asu.edu/cem-seminar-steven-austad-0>)
  - Invited Seminar. Royal Irish Academy, University College Dublin, Dublin, Ireland
  - Invited Seminar. American Psychological Association Workshop "The New Age of Aging: Contemporary Advances in Geroscience." Washington, DC.
  - Invited Speaker. TEDx Birmingham. (<https://www.youtube.com/watch?v=y4ub1dZjIIs>)
- 2015:
- Invited Speaker. UCLA Department of Medicine Grand Rounds (Evolutionary Medicine Month). Los Angeles, CA

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- Invited Seminar. University of Iowa. Department of Biology and Natural History Museum. Iowa City, IA
  - Invited Speaker. Canine Longevity Consortium National Meeting. Washington, D.C.
  - Invited Seminar. Auburn University, Department of Biological Sciences, Auburn, GA
  - Invited Speaker. Symposium on Comparative Biology of Tissue Repair, Regeneration, and Aging. Mount Desert Island Biological Laboratory, Bar Harbor, ME
  - Keynote address: National Institute on Aging Division of Aging Biology 9<sup>th</sup> Annual New Investigator Forum. Bethesda, MD
  - Invited Faculty Lecturer. 2015 Butler-Williams Scholars Program. National Institute on Aging. Bethesda, MD
  - Invited Speaker. AFAR/Paul Glenn Foundation Workshop. Santa Barbara, CA
  - Invited Speaker. Symposium on Optimal Diet and Health. Linus Pauling Institute. Oregon State University, Corvallis, OR
  - Invited Speaker. Paul Glenn Mini-symposium. Albert Einstein College of Medicine, New York City, NY
  - Session Chair. 6<sup>th</sup> Annual Alliance for Health Aging Conference. Newcastle, United Kingdom
  - Invited Seminar. UAB Center for Health Aging. Birmingham, AL
  - Keynote address: Jacques-Monod Conference on the Comparative Biology of Aging. CNRS, Roscoff (Brittany), France
  - Invited Speaker. Symposium on Comparative biology of aging. 2015 Gerontological Society of America annual meeting. Orlando, FL.
  - Award lecture. The Fondation IPSEN Longevity Prize. At the Gerontological Society of American annual meeting. Orlando, FL
- 2014:
- Invited Seminar. University of Georgia, Dept. of Genetics, Athens, GA
  - Invited Speaker. Stanford University. Paul F. Glenn Laboratories Symposium, Palo Alto, CA
  - Invited Seminar. University of Chicago, Committee on Genetics, Genomics, and Systems Biology, Chicago, IL
  - Invited Speaker. Therapeutic Approaches for Extending Healthspan Symposium. The Scripps Research Institution Florida. Jupiter, FL
  - Co-organizer and participant. Canine Longevity Consortium First National Meeting. Seattle, WA
  - Invited Speaker. Colloquium on the Biology of Aging. Lawrence Ellison Foundation. Woods Hole, MA
  - Invited Faculty Lecturer. 2014 Butler-Williams Scholars Program. National Institute on Aging. Bethesda, MD
  - Invited Course Faculty. Summer Training Course in Experimental Aging Research. University of Washington, Seattle, WA
  - Plenary Speaker. Zing Conference on the Basic Biology of Aging. Oropesa de Toledo, Spain
  - Invited Speaker. 7<sup>th</sup> Annual UAB/AARP Aging Policy Conference. *Inequality for all: what it means for an aging society*. Birmingham, AL.
  - Panelist. The 2015 White House Conference on Aging: GSA Section Leaders Reflect Back and Look Forward to the Next Phase of Aging Policy Action. Gerontological Society of America Annual Meeting. Washington, DC.
  - Invited Speaker. From Cells to Society: NIA at 40 – Past, Present, and Future. Gerontological Society of America Annual Meeting.
  - Invited University of Alabama at Birmingham Seminars
    - Nutrition Obesity Research Center
    - Haddin Forum
    - Dept. of Pharmacology & Toxicology

- 2013:
- Annual Christmas Lecturer. Max Planck Institute for the Biology of Ageing. Cologne, Germany.
  - Invited Speaker. Stress & Aging International Symposium. Martin Luther University Halle-Wittenberg, Halle (Saale), Germany
  - Invited Seminar. Department of Ecology & Evolutionary Biology, Yale University, New Haven, CT
  - Invited Seminar. Graduate School of Biomedical Sciences. Texas Tech Health Science Center, Lubbock, TX.
  - Invited Seminar. Division of Biological Sciences. University of California, San Diego. San Diego, CA
  - Plenary Address. International Psychogeriatric Association 16<sup>th</sup> Annual Congress. Seoul, Republic of Korea.
  - Invited Seminar. Department of Pathology, University of Washington, Seattle, WA
  - Invited Speaker. 2013 Medico-Legal Aging Summit. San Antonio, TX
  - Invited Seminar. Department of Medical Physiology, Texas A&M Health Science Center, Temple, TX
  - Invited Seminar. Population Research Center, University of Texas. Austin, TX
  - Faculty member. National Institute on Aging Summer Institute on Aging Research, Bethesda, MD.
  - Invited Speaker. Food & Nutrition Conference, Texas Academy of Nutrition and Dietetics, Austin, TX
  - Invited Seminar. Department of Biology, University of Texas Arlington. Arlington, TX
  - Invited Seminar. Department of Biology, University of Alabama Birmingham, Birmingham, AL
  - Invited Seminar. The Jackson Laboratory. Bar Harbor, ME
  - Invited Speaker. Glenn Foundation for Medical Research Workshop, Santa Barbara, CA
- 2012
- **Keynote Address.** Max Planck Institute for Ageing Research. Postdoc and PhD Student Retreat. Cologne, Germany
  - **Keynote Address.** Gordon Research Conference on the Biology of Aging. Ventura, CA
  - Invited Speaker. Salk Institute for Biological Studies, Glenn Center for Aging Research Annual Symposium (*Interface between cells and organisms*). La Jolla, CA.
  - Invited Speaker & Chair. Gerontological Society of America Annual Meeting, *Symposium on Alzheimer's Disease and Neurodegeneration*. San Diego, CA.
  - Invited Speaker. American College of Veterinary Pathologists Symposium. Experimental Biology Annual Meeting, San Diego, CA.
  - Invited Speaker. Evolutionary Medicine Symposium. Stanford University. The Palo Alto Institute, Palo Alto, CA.
  - Invited Speaker. Glenn Foundation for Medical Research Symposium "Can aging be separated from disease?" Santa Barbara, CA.
  - Faculty member. Nineteenth Annual Summer Training Course in Experimental Aging Research. Buck Institute for Research on Aging, Novato, CA.
  - Faculty member. National Institute on Aging Summer Institute on Aging Research, Bethesda, MD.
  - Invited Seminar. Huffington Center on Aging. Baylor College of Medicine. Houston, TX
  - Endowed lecture. Huck Institutes of Life Sciences, Pennsylvania State University, State College, PA
- 2011
- **Keynote Address.** "Living to 100" Symposium. National Meeting of the Society of Actuaries. Orlando, FL
  - Fogarty Family Foundation Lecture. The University at Albany's Cancer Research Center. Albany, NY.
  - Invited Speaker. Serono Symposium International Foundation conference on Reproductive ageing: a basic and clinical update. Taormina, Italy.

- Invited Speaker. National Institute on Aging Workshop on the Comparative Physiology of Aging. Bethesda, MD.
  - Invited Speaker. Conference on Modeling Longevity: An Interdisciplinary Approach. Ecole Nationale de la Statistique et l'Administration Economique. Paris, France.
  - Faculty member. Eighteenth Annual Summer Training Course in Experimental Aging Research. University of Washington, Seattle, WA.
  - Faculty member. National Institute on Aging Summer Institute on Aging Research, Queenstown, MD.
  - Invited Speaker. Annual Scientific Meeting of the British Society for Research on Ageing. BBSRC-NIA Joint Transatlantic Symposium. Brighton, UK.
  - Invited Speaker. Mouse Models of Frailty Workshop. Alliance for Healthy Aging, Groningen, Netherlands.
  - Invited Speaker. Symposium on Frailty and Healthspan. Alliance for Healthy Aging, Groningen, Netherlands.
  - Invited Speaker. Purdue University, Center on Aging and the Life Course, West Lafayette, IN
  - Invited Speaker. Trinity University, Department of Biology, San Antonio, TX
  - Invited Speaker. Audie Murphy VA Hospital. GRECC Grand Rounds, San Antonio, TX
  - Invited Seminar. University of California, Berkeley, Department of Nutrition Science & Toxicology, Berkeley, CA
- 2010
- Invited Speaker. "Metabolism, Life History, and Aging" Symposium. Society for Integrative and Comparative Biology Annual Meeting. Seattle, WA
  - Participant. Promoting Progress in the Discovery of Measures of Healthspan Conference. Alliance for Aging Research, Washington, D.C.
  - Invited Speaker. Alzheimer's Disease Conference: Update on Research, Treatment, and Care. UCSD Shiley-Marcos Alzheimer's Disease Research Center, San Diego, CA.
  - Faculty member. Seventeenth Annual Summer Training Course in Experimental Aging Research. Buck Institute for Age Research, San Antonio, Texas.
  - Invited Speaker. American Aging Association National Meeting. Special Symposium: A Meeting of Minds to Celebrate Award Winning Science. Portland, OR
  - Invited Speaker. American Federation for Aging Research Grantee Symposium. Santa Barbara, CA.
  - Invited Speaker. First Annual Mayo Clinic Robert and Arlene Kogod Center on Aging Conference. *The Next Step in Aging Research: From Bench to Bedside*. Red Wing, MN.
  - **Co-organizer** (with Judy Campisi and David Sinclair). Cold Spring Harbor Conference on the Molecular Genetics of Aging. Cold Spring Harbor, NY.
  - Participant. Rapamycin & mTOR Signaling in the Modulation of Healthspan & Lifespan: Potential and Problems. American Federation for Aging Research. New York City, NY
  - **Organizer & Speaker**. Evolution, education, and health special symposium. Gerontological Society of America Annual Meeting, New Orleans, LA
  - **Plenary Address**. Annual Research Conference, American Institute for Cancer Research. Washington, D.C.
  - Invited Seminar. Pacific University, Forest Grove, Oregon. Darwin Day Lecture.
  - Invited Speaker. Mayo Clinic, Kogod Center on Aging, Rochester, MN
  - Inaugural seminar speaker. Max Planck Institute for the Biology of Aging. Cologne, Germany
  - Invited Seminar. Edinburgh University, Institute of Evolutionary Biology, Edinburgh, Scotland
  - Invited Seminar. Geneva University, Department of Zoology and Animal Biology, Geneva, Switzerland
  - Invited Seminar. Reynolds Oklahoma Center on Aging, University of Oklahoma Health Science Center, Oklahoma City, OK

- 2009**
- Invited Speaker. Toulouse Evolution & Medicine Symposium. Muséum de Toulouse, Toulouse, France.
  - Invited Speaker. Symposium on Negligible Senescence, Gerontological Society of America Annual Meeting, Atlanta, GA
  - Invited Speaker. 2<sup>nd</sup> Meril European Vaccinology Symposium: Vaccination challenges in ageing populations. Prague, Czech Republic.
  - Faculty member. Sixteenth Annual Summer Training Course in Experimental Aging Research. Buck Institute for Age Research, Novato, CA
  - Invited Speaker. Symposium: Aging is no longer an unsolved biological problem. XIX<sup>th</sup> IAGG World Congress in Gerontology & Geriatrics. Paris, France.
  - Invited Speaker. Age Boom Academy, International Longevity Center – USA, New York City, New York.
  - Invited Speaker. American Federation for Aging Research Grantee’s Conference. Santa Barbara, CA.
  - Invited Seminar. Department of Neurobiology & Behavior, Cornell University, Ithaca, NY
  - 5<sup>th</sup> Annual Red & Kim Little Healthy Aging Lecture. University of Texas Health Science Center Tyler, Tyler, Texas
  - Invited Seminar. Duke University, Department of Biology, Durham, North Carolina.
- 2008**
- **Co-organizer** (with Judy Campisi & David Sinclair). Cold Spring Harbor Laboratory Symposium on the Molecular Genetics of Aging. Cold Spring Harbor, NY
  - Invited Speaker. American Federation for Aging Research Conference (*Aging and Cancer: Two Sides of the Same Coin*). New York City, NY.
  - Invited Speaker. Symposium on Senescence in the Wild. University of Aberdeen, Aberdeen, Scotland.
  - Invited Speaker. Symposia on: (1) *Can human aging be slowed?*, (2) *Aging and the Lifespan: Revisiting the Role of “Age” from Biological, Fncional, Psychological, and Social Perspectives*, (3) *What does biology have to do with it?*. Gerontological Society of America Annual Meeting, National Harbor, Maryland
  - **Co-organizer** (with Yuji Ikeno). 2008 San Antonio Nathan Shock Aging Center Conference on Aging. *Dietary Restriction in Aging Research: Where have We Been and Where are We Going?* Bandera, Texas.
  - Invited Speaker, National Institute on Aging Mouse Phenotyping Workshop. Bethesda, MD
  - **Session Chair**, National Institute on Aging Biology of Aging Program Summit. Gaithersburg, MD.
  - Faculty member. Sixteenth Annual Summer Training Course in Experimental Aging Research. University of Washington, Seattle, WA
  - Faculty member. Rand Corp Summer Institute, Mini-Medical School for Social Scientists, Santa Monica, CA
  - Faculty member. International Program in Aging Research: Mammalian Models in Biogerontology. Pennsylvania State University, Jönköping, Sweden
  - Invited Speaker. American College of Veterinary Internal Medicine Annual Forum. San Antonio, Texas.
  - Lecturer. Advanced Oncology Course (VMS 8417), University of Missouri Veterinary College, Columbia, MO.
  - Invited Speaker. *To What Age Should We Be Expected to Work?* A conference in celebration of James D. Watson’s 80<sup>th</sup> Birthday. Banbury Center, Cold Spring Harbor Laboratories, Cold Spring Harbor, New York
  - Interviewee. University of Texas Chancellor’s Council Meeting and Symposium. Austin, Texas.

- Invited Speaker. Eleventh Annual Brown Colloquium on the Biology of Human Aging. Brown University, Providence, RI.
  - Invited Speaker. Southwest Foundation for Biomedical Research, San Antonio, TX
  - Invited Speaker. Huyck Nutrition Lectures, Wayne State University, Department of Nutrition and Food Sciences, Wayne State University
  - Invited Speaker. Texas A & M University, Ecology and Evolutionary Biology Program, College Station, TX
- 2007
- Invited Speaker. The 4<sup>th</sup> Key Symposium. Biology of Ageing. Stockholm, Sweden.
  - Invited Speaker. Symposium on Nutrient Sensing & Aging. Buck Institute for Age Research, Novato, California.
  - Invited Speaker. Cosmocaixa Congress: Envel·liment i Longevitat. Obra Social. Fundació “la Caixa”. Barcelona, Spain.
  - Invited Speaker. New Horizons in Cardiovascular Research Symposium. Experimental Biology Annual Meeting. American Physiological Society. Washington, D.C.
  - Invited Lecturer. National Academies Keck Futures Initiative. Webcast Tutorial, Irvine, CA
  - Invited Speaker. 17<sup>th</sup> BioCity Symposium: Ageing. Turku, Finland
  - **Plenary Address.** Longevity Consortium Symposium, Santa Fe, New Mexico.
  - Faculty member. International Program in Aging Research: Mammalian Models in Biogerontology. Pennsylvania State University, Jönköping, Sweden
  - Faculty member. National Institute on Aging Summer Institute on Aging Research, Queenstown, MD.
  - Invited Speaker. Genworth Financial. Sixth Annual Medical Advisory Council Conference. Washington, DC.
  - **Organizer & Speaker.** Symposium on Comparative Biology of Aging. Gerontological Society of America Annual Meeting, San Francisco, CA
  - Invited Speaker. Emerging Scholar and Professional Organization Symposium on Global Aspects of Biological Aging. Gerontological Society of America Annual Meeting, San Francisco, CA
  - Invited Speaker. *Myotis lucifugus* Genome Community Meeting. Broad Institute, Cambridge, MA.
  - Invited Seminar. University of Washington, Department of Pathology, Seattle, WA
  - Invited Seminar. University of Medicine & Dentistry of New Jersey, Department of Cell Biology & Molecular Medicine, Newark, NJ.
- 2006
- Invited Speaker. 4<sup>th</sup> Vienna Biocenter PhD Student Symposium. “Timing Aging.” Vienna, Austria.
  - **Keynote Address.** Johnson & Johnson Symposium “Contemporary Ideas on Aging: Theory & Practice.” Pennsylvania State University, State College, PA
  - Invited Speaker. American Association for the Advancement of Science Annual Meeting. St. Louis, MO. Symposium: Antiaging Therapy: Biological Prospects and Potential Demographic Consequences.
  - Invited Speaker. National Institutes of Health Workshop on “Factors in Youth that Protect against Aging Processes,” Bethesda, MD
  - Invited Speaker. Caloric Restriction Society IV International Meeting. Tucson, AZ.
  - Lecturer. “Aging,” Third Kristineberg Symposium. The Wenner-Gren Foundations and The Royal Swedish Academy of Sciences. Kristineberg, Sweden.
  - Faculty member. NIA Summer Training Course in Biology of Aging. Novato, California.
  - Invited Speaker. Diversity in research on the basic biology of aging workshop. Biology of Aging Program and Office of Special Populations, National Institute on Aging. Bethesda, MD
  - Invited Speaker. Symposium: Comparative Biology of Aging in Long-lived Animals. American Physiological Society Conference: Comparative Physiology: 2006, Virginia Beach, VA.

- **Featured speaker.** American Federation for Aging Research Media Luncheon. New York, NY.
  - Invited Seminar. Stanford University, Department of Genetics, Stanford, CA
  - Invited Seminar. Eastern Illinois University, Department of Biology, Charleston, IL.
- 2005
- **Featured Speaker.** Smithsonian Institute/National Institution on Aging Mini-Med School. Washington, DC
  - Invited Speaker. Biochemistry & Molecular Biology Graduate Student Symposium. “Molecular Mechanisms of Longevity,” Emory University, Atlanta, GA
  - Faculty member. NIA Summer Training Course in Biology of Aging. Ann Arbor, MI.
  - Faculty member. Rand Corp Summer Institute, Mini-Medical School for Social Scientists, Santa Monica, CA
  - Invited Seminar. Lankenau Institute for Medical Research, Wynnewood, Pennsylvania
  - Invited Seminar. University of Rochester, Department of Biology. Rochester, NY
  - Invited Seminar. Georgetown University, Center for the Study of Sex Differences in Health, Aging, and Disease. Washington, D.C.
  - Invited Seminar. Drexel University, Department of Bioscience and Biotechnology, Philadelphia, PA
- 2004
- **Featured Speaker.** Early Origins of Adult Health: Biological Processes. Purdue Center on Aging and the Life Course. West Lafayette, Indiana
  - Invited Speaker. Fifth Annual Conference on Sex Differences in Gene Expression. Society for Women’s Health Research, Winston-Salem, NC.
  - Invited Speaker. Second International Conference on the Functional Genomics of Aging. Herissonisos, Crete, Greece.
  - **Keynote address.** Marmoset Research Group of the Americas. Madison, WI.
  - Invited Speaker. Ellison Medical Foundation Colloquium on Aging. Buck Institute for Age Research. Novato, CA.
  - Invited Speaker. Symposium on Aging and Calorie Restriction. Annual Scientific Meeting of the North American Association for the Study of Obesity. Las Vegas, NV.
  - **Award Lecture.** The Robert W. Kleemeier Award Lecture. Annual Meeting of the Gerontological Society of America. Washington, DC.
  - Lecturer. The Neurobiology of Learning Course. Rockefeller University. New York, New York.
  - Invited Seminar. University of Chicago, Department of Evolution and Human Development. Chicago, IL.
  - Invited Seminar. University of Texas, San Antonio. Department of Biology. San Antonio, TX.
- 2003
- **Keynote Address.** Pennington Biomedical Research Center Scientific Symposium on *Mechanisms and Retardation of Aging*. Baton Rouge, LA.
  - Second International Conference on Senescence: the SAM Model. Sapporo, Japan.
  - *Annual Summer Training Course in Experimental Aging Research.* The Buck Institute for Age Research, Novato, CA.
  - *Molecular Biology of Aging Summer Course.* Marine Biological Laboratory, Woods Hole, MA.
  - Gordon Conference on the Molecular Biology of Aging. Ventura, CA.
  - University of Texas Southwestern Medical Center at Dallas. Department of Cell Biology, Dallas, TX
- 2002
- **Plenary Address.** Buck Institute Symposium 2002: Neuroendocrine Systems and Lifespan Determination. Novato, CA.
  - **Expert witness.** President’s Council on Bioethics. Washington, DC
  - The Academy of Medical Sciences Meeting on Evolution and Disease. London, England.

- **Organizer & Speaker.** Symposium on House Mice in the Field and Lab. Gerontological Society of America Annual Meeting
  - 3<sup>rd</sup> European Congress on Biogerontology, Montecatini Terme, Italy.
  - Model Systems for the Genetic Approaches to the Study of Aging. American Society of Human Genetics. Baltimore, MD
  - Current Perspectives on Mechanisms of Caloric Restriction. National Institute on Aging & UTHSCSA Nathan Shock Center of Excellence in the Biology of Aging. Bandera, TX.
  - George M. Martin Symposium: Frontiers of Aging Research, University of Washington. Seattle, WA
  - Symposium of the Ellison Medical Foundation. Beckman Center for Molecular and Genetic Medicine, Stanford University School of Medicine, Palo Alto, CA
  - *Comparative Biology of Aging Workshop*, National Institute on Aging, Bethesda, MD
  - **Featured Speaker.** *Wisdom in Action*. Quest Institute for Learning in the 3<sup>rd</sup> Age. Walla Walla, WA
  - *1<sup>st</sup> Conference on the Function Genomics of Ageing*. Sevilla, Spain
  - *2002 International Conference on Immunology and Aging*. Washington, D.C.
  - *Molecular Biology of Aging Summer Course*. Marine Biological Laboratory, Woods Hole, MA.
  - **Mary Lynn Cowan Endowed Seminar.** Dept. of Ecology, Evolution, and Behavior. University of Minnesota, St. Paul, MN
  - Bell Museum. University of Minnesota, St. Paul, MN
  - Ada County Medical Society Winter Clinic. Sun Valley, ID
  - Virginia Polytechnic University, Department of Animal and Poultry Science, Blacksburg, VA
  - Whitman College, Department of Biology, Walla Walla, WA
- 2001
- Darwin Day Address. University of Wisconsin-Whitewater. Whitewater, Wisconsin.
  - Longevity Genes: From Primitive Organisms to Man. Sponsored by the National Institute on Aging, The Ellison Medical Foundation, International Longevity Center, American Federation for Aging Research, & Institute for the Study of Aging. Canyon Ranch Health Resort, Tucson, AZ
  - Symposium: *Biology of Aging for Nonbiologists*. Annual Meeting, Gerontological Society of America, Washington, DC.
  - *The Brookdale Foundation/National Institute on Aging Summer Institute on Aging Research*. Airlie, Virginia.
  - **Keynote Address.** CNA Seminar on the Future of Human Longevity. Chicago, IL
  - Gonzaga University, Department of Biology, Seattle, WA
  - University of Washington, Department of Pathology. Seattle, WA
  - Buck Institute for Age Research. Novato, CA
  - Texas Christian University, Dept. of Biology, Fort Worth, TX
- 2000
- **Keynote Address.** *UniverCity 2000: A Festival of Knowledge*, Ball State University, Muncie, Indiana
  - **Organizer & Speaker.** Presidential Symposium. *Ethical Considerations of Medically Extending Human Life*. Annual Meeting, Gerontological Society of America, Washington, DC.
  - Student-Organized Symposium. *Novel Models for the Investigation of Longevity Determination*. Annual Meeting, Gerontological Society of America, Washington, DC.
  - Symposium: *Biology of Aging for Nonbiologists*. Annual Meeting, Gerontological Society of America, Washington, DC.
  - Symposium: *Studying Aging with Animal Models: The Past, Present, and Future*. Annual Meeting, Gerontological Society of America, Washington, DC.

- *Invited Seminar on Human Longevity, Individual Life Duration, and the Growth of the Oldest-Old Population.* International Union for the Scientific Study of Population. Committee on Longevity and Health. Montpellier, France.
  - *Symposium on Organisms with Slow or Negligible Aging.* University of Southern California. Los Angeles, CA
  - *5<sup>th</sup> Annual University of Kentucky Symposium on the Biology of Aging.* Lexington, KY
  - *Ellison Medical Foundation Colloquium.* Woods Hole, MA
  - *Molecular Biology of Aging Summer Course.* Marine Biological Laboratory, Woods Hole, MA.
  - **Keynote Address.** *InterChange VI "The Aging Patient."* The University of Illinois College of Medicine at Peoria. Peoria, IL.
  - *7<sup>th</sup> International HIV Dynamics and Evolution Meeting.* Seattle, WA.
  - Southern Illinois University, Department of Zoology, Carbondale, Illinois.
  - University of Washington, Department of Zoology, Seattle, WA
  - University of Texas Health Science Center at San Antonio, Department of Physiology, San Antonio, TX
- 1999
- **Keynote Address.** *Science of Ageing Initiative: 1st BBSRC Grant Holder's Workshop.* University of Manchester, United Kingdom.
  - *Forever Young: Biologic Bases of Postponement of Aging and Death.* American Association for the Advancement of Science, Annual Meeting, Anaheim, California.
  - *Keystone Meeting on the Cellular and Molecular Biology of Aging.* Durango, CO.
  - *The Aging Factor in Health and Disease.* An Interdisciplinary Workshop of the International Longevity Center. New York, NY.
  - *Critical Future Milestones for Aging Research.* UCLA, Program on Medicine, Technology, and Society. Los Angeles, CA.
  - *Caloric Restriction Clinical Implication Advisory Group Workshop.* National Institute on Aging. Bethesda, MD.
  - *Irving S. Wright Award Lecture & Symposium.* American Federation of Aging Research. Philadelphia, PA.
  - *Symposium on Emerging Vertebrate Models of Aging.* American Aging Association Annual Meeting. Seattle, WA
  - *Annual Summer Training Course in Experimental Aging Research.* University of Michigan. Ann Arbor, Michigan.
  - *Aging in the Americas: Pan-American Congress '99.* San Antonio, TX.
  - **Expert Panel Member.** External Evaluation of the NIH Regional Primate Research Center Program.
  - *The Brookdale Foundation/National Institute on Aging Summer Institute on Aging Research.* Airlie, Virginia.
  - *Molecular Biology of Aging Course.* Marine Biological Laboratory, Woods Hole, Massachusetts.
  - *Workshop on Organisms with Negligible Senescence.* University of Southern California, Los Angeles, CA
  - Oregon Health Sciences University. Portland, Oregon
- 1998
- *Ellison Medical Foundation Symposium.* Gene Action in Aging and Senescence. San Francisco, CA.
  - *3rd Annual Inland Northwest Conference on Aging and Health.* Moscow, Idaho.
  - *12th International Conference of Comparative Physiology.* Troina, Italy.
  - Washington State University, Department of Veterinary & Comparative Anatomy & Pharmacology.
  - University of Washington, Department of Pathology, Seattle, WA

- 1997
- *Gordon Conference on the Biology of Aging*. Ventura, California.
  - *Workshop on Complexity Theory and Aging*. National Institute on Aging. Bethesda, MD
  - *International Biogerontological Resource Institute*, First Annual Meeting, San Pietro al Natisone, Italy
  - *Workshop on Organisms with Negligible Senescence*. Ethel Percy Andrus Gerontology Center, Los Angeles, CA.
  - *Social and Biological Determinants of Longevity*, German-American Academic Council 1997 Summer Institute, Davis, CA
  - Symposium: *Mechanistic Biology from a Darwinian Perspective: Promising Avenue or Cul-De-Sac*. Gerontological Society of America Annual Scientific Meeting. Cincinnati, Ohio.
  - University of Nevada, Reno. Department of Biology.
  - University of Michigan. Institute for Social Research & Department of Psychiatry.
- 1996
- *Workshop on the Biodemography of Aging II*. Committee on Population, National Research Council. Washington, D.C.
  - *Annual Summer Training Course in Experimental Aging Research*. University of Michigan. Ann Arbor, Michigan.
  - **Organizer & Speaker**. Symposium: *Aging and resource use in nature and in the laboratory*. Gerontological Society of America Annual Meeting. Washington, D.C.
  - University of California, Los Angeles. Department of Biology. Los Angeles, CA
  - University of Washington, Medical School. Department of Pathology, Seattle, WA
- 1995
- *Kyoto Course in Animal Models for Aging Research*. Kyoto, Japan. (sponsored by the U.S. National Institute on Aging and the Department of Senescence Biology, Chest Disease Research Institute, Kyoto University).
  - *Workshop on the Biodemography of Aging*. Committee on Population, National Research Council. Irvine, CA.
  - *Presidential Interdisciplinary Symposium: Extending Life Beyond the Gray Horizon*. "The 1200 year life span: an evolutionary perspective." Gerontology Society of America. Annual Meeting. Los Angeles, CA.
  - *Biological Sciences Symposium: Fifty years of research on the biology of aging: the state of the art*. "Aging in the wild." Gerontological Society of America. Annual Meeting. Los Angeles, CA.
  - University of Wyoming, Department of Zoology & Physiology. Laramie, WY
  - University of Texas Health Science Center at San Antonio. Department of Physiology. San Antonio, TX.
  - Audie L. Murphy Veterans' Hospital. Geriatrics and Gerontology Dept. San Antonio, TX.
  - **Keynote Address**. University of Washington School of Medicine Pathology Department Annual Retreat. Pack Forest, WA.
  - **Keynote Speaker**. Northern Rocky Mountain Branch, American Association of Laboratory Animal Science. Flat Head Lake, MT.
- 1994
- **Keynote Address**. *Gordon Conference on the Biology of Aging*. Casa Sirena, CA
  - Purdue University, Department of Biological Sciences, West Lafayette, Indiana.
  - University of British Columbia, Department of Zoology, Vancouver, British Columbia.
  - Simon Fraser University, Department of Biology, Vancouver, British Columbia.
  - University of Montana, Division of Biological Sciences, Missoula, Montana.
  - Montana State University, Department of Microbiology, Bozeman, Montana.
  - Washington State University, Department of Zoology, Pullman, Washington
- 1993
- *Beckman Lectures*. Beckman Research Institute of the City of Hope. Duarte, CA.

- Chair. *Advisory Committee on Animal Models of Menopause*. National Institute on Aging. Bethesda, MD.
  - *Ecology in Education: Rocky Mountain Regional Workshop*. Denver, Colorado.
  - *Workshop on Menopause: Current Knowledge and Recommendations for Research*. National Institutes of Health. Bethesda, Maryland.
  - *Evolution and Neurology of Language*. Fondation pour L'Etude du Systeme Nerveux Central et Peripherique. Geneva, Switzerland.
  - *Basic Research in Aging: past discoveries, present status, and future directions*. World Congress of Gerontology. Budapest, Hungary.
  - *Evidence For/Against Current Theories of Aging*. Gerontological Society of America National Meeting. New Orleans, Louisiana.
  - University of Washington, Regional Primate Research Center & Department of Pathology.
  - University of California, Irvine. Department of Ecology and Evolutionary Biology.
- 1992
- *Genetics and Evolution of Aging*. American Association for the Advancement of Science. Chicago, Illinois.
  - *Genetic and Environmental Influence on Aging in Man and Laboratory Animals*. Cyanamid, Italia. Catania, Sicily, Italy.
  - *Novel Models for Gerontological Research*. American Aging Association. San Francisco, CA.
  - Organizer & Speaker. *Comparative Life Histories of Vertebrates*. Gerontological Society of America. Washington, DC.
  - University of Michigan, Institute of Gerontology, Ann Arbor, MI
  - University of Idaho, Department of Biology, Moscow, ID
  - University of Washington, Departments of Pathology & Zoology, Seattle, WA
  - University of New Hampshire, Department of Zoology, Durham, NH.
- 1991
- **Co-organizer & speaker.** *Genetic Plasticity of Longevity*. Gerontological Society of America. San Francisco, California.
  - *Laboratory Approaches to Aging*. Association Internationale pour la Recherche et l'Enseignement en Neurosciences. San Pietro, Italy.
  - *Genetic and Environmental Influence on Aging in Man and Laboratory Animals*. Cyanamid, Italia. Catania, Sicily, Italy.
  - University of Pennsylvania, Psychology Dept., Phila, PA
  - Rockefeller University Field Research Center, Millbrook, NY
  - Amherst College, Dept. of Biology, Amherst, MA
  - Massachusetts Institute of Technology. Cambridge, Massachusetts Knight Journalism Fellows Program.
- 1990
- Invited Speaker. *Sperm and Pollen Competition Symposium*. American Association for the Advancement of Science National Conference. New Orleans, Louisiana.
  - University of Toronto, Dept. of Biology, Mississauga, Ontario, Canada
  - Savannah River Ecology Laboratory, Aiken, South Carolina.
  - Massachusetts Institute of Technology. Cambridge, Mass. Knight Journalism Fellows Program.
- 1989
- *New Animal Models for Research on Aging*. National Institute on Aging. Bethesda, MD
  - *Threat, deterrence, and conflict in strategic policy and in the behavioral and biological sciences*. Public Policy Workshop Program on Behavioral Approaches to the Prevention of Nuclear War.

sponsored by The Cambridge Center for Behavioral Studies. Cambridge, MA. Thomas Schelling organizer.

- University of California, Davis. Department of Biology. Davis, CA
  - Human Nutrition Research Center on Aging. Tufts University, Boston, MA.
- 1988
- University of Colorado, Boulder, Colorado. Departments of Environmental, Physiological and Organismic Biology and Philosophy.
  - University of Kansas. Lawrence Kansas. The Michener Lectures.
  - Brown University. Providence, Rhode Island. Department of Biology.
  - Yale University, New Haven, Connecticut. Department of Biology.
- 1987
- Clemson University, Department of Biology, Clemson, SC.
  - Savannah River Ecology Laboratory. Aiken, SC
  - Center for Blood Research. Boston, MA
  - Cambridge Entomological Society, Cambridge, MA
- 1986
- Boston University, Department of Biology, Boston, MA
  - Harvard University. Department of Organismic & Evolutionary Biology, Cambridge, MA
  - University of Maryland. Department of Zoology, College Park, MD.
- 1985
- *Spider Ecology Symposium*. Furzebrook Research Station. Institute of Terrestrial Ecology. Wareham, Dorset, England.
  - University of Sussex. Falmer, Sussex, England.
  - Ohio State University. Department of Zoology, Columbus, OH
- 1984
- University of Tennessee, Department of Zoology, Knoxville, TN
  - Furzebrook Research Station. Institute of Terrestrial Ecology. Wareham, Dorset, England.
- 1983
- Reed College, Department of Biology, Portland, OR
  - University of Florida, Department of Zoology, Gainesville, FL
- 1982
- *Alternative Reproductive Tactics*. American Society of Zoologists' National Meeting. Louisville, Kentucky. (co-organizer).
- 1981
- Syracuse University, Department of Biology, Syracuse, NY
  - Ohio State University, Department of Zoology, Columbus, OH.

Updated: August 2023