

CURRICULUM VITAE

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Wikipedia: https://en.wikipedia.org/wiki/Steven_N._Austad

PROFESSIONAL POSITIONS HELD:

2014 – present: **Distinguished Professor & Chair**, Department of Biology, University of Alabama at Birmingham (UAB), Birmingham, AL

- **Director.** UAB Nathan Shock Center of Excellence in the Basic Biology of Aging.
- **Associate Director.** UAB Comprehensive Center for Healthy Aging.
- **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 – present: **Scientific Director**, American Federation for Aging Research, New York City, NY

- **Co-Director**, Nathan Shock Centers Coordinating Center
- **Executive Committee.** National Institute on Aging Research Centers Collaborative Network

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:

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.

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

- 2019 – present. External Advisory Board (EAB) of the NIH/NIA-funded 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.
Member. External Advisory Committee. University of Oklahoma Health Science Center External Advisory Committee
- 2012 – present: Steering Committee. National Institute on Aging Intervention Testing Program, Bethesda, MD
- 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

- 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.
Member. UAB Department of Neurobiology Chair Search Committee
Member. UAB Nutrition Obesity Research Center Director Search Committee
Member. National Institute on Aging Special Emphasis Panel [ZAG1 ZIJ-G (J1)]
ADC P30 Review
- 2017 -- 2018 **Member.** UAB Department of Neurobiology Chair Search Committee
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: **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: **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.
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.
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: **Member,** Executive Committee. R24 Canine Longevity Consortium. University of
Washington, Seattle, WA.
- 2013 – 2014. **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
- 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: **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: **Member,** National Scientific Advisory Board, Texas Biomedical Research Institute, San Antonio, TX
- 2011: **Member,** NIH/NIA Institutional Research Training Grant Study Section
- Consultant,** Perot Museum of Nature and Science, Aging Exhibition. Dallas, TX
- 2010 **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
- 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: **Member,** National Academies Keck *Futures Initiative* Aging and Longevity Steering Committee.
- 2006 – 2011: **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. 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: Neighborhood and Communities; Interdisciplinary Honors Course
(University Honors Program)
Conflict and Cooperation: Interdisciplinary Honors Course
(University Honors Program)
Biology of 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)

GRANTS (PI unless otherwise indicated):

- A Four Core Genotype (FCG) Approach to Investigating Sex Differences in Health and Longevity. NIH/NIA R21 AG058811. 2018 – 2020. \$408,375.
- A Sex Difference Approach to Evaluating Resilience in Mice. NIH/NIA R01 AG057434. 2017-2022. \$1,522,125.
- Nathan Shock Centers Coordinating Center. (PI [multi-PI grant]), S. Lederman, also PI) (to American Federation for Aging Research). NIH/NIA U24 AG056053. 2017-2020. \$1,310,992.
- 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. 2015-2020. \$2,205,000.
- 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).
- 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. Sunkuist). \$78,000.

PUBLICATIONS: BOOKS

Austad, S.N. 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.
Translations available in:

- Chinese (Taiwan) (揭開老化之謎) -- named to "10 best books of 1998" list by *China Times* Book Review Editors
- Chinese (Mainland) (揭开老化之謎)
- Italian (*Perché Invecciamo*)

- Spanish (*Por Qué Envejecemos*)
- Finnish (*Miksi vanhenemme?*)
- Czech (*Proč stárneme*)
- Japanese (老化はなぜ起こるか)
- Korean (인간은 왜 늙는가)
- Russian (Почему мы стареем)

PUBLICATIONS: SCIENTIFIC JOURNALS & BOOK CHAPTERS

- Newman JC, Sokoloski JL, Robbins PD, Niedernhofer LJ, Reed MJ, Wei J, **Austad SN**, Barzilai N, Cohen HJ, Kuchel GA, Kirkland JL, Pignolo RJ (2019) Creating the Next Generation of Translational Geroscientists. *Journal of the American Geriatric Society*. 67(9):1934-1939 doi: 10.1111/jgs.16055.
- Austad SN**, Wood MA, Villeda SA, Voss JL, Sahay A, Albert M. (2019). Innovative approaches in cognitive aging. *Neurobiology of Aging*. Apr 30. pii: S0197-4580(19)30127-7. doi: 10.1016/j.neurobiolaging.2019.04.013. [Epub ahead of print]
- Austad SN**. (2019). Sex differences in health and aging: a dialogue between brain and gonad? *Geroscience* June 26. doi: 10.1007/s11357-019-00081-3. [Epub ahead of print]
- Brown CJ, Mtui D, Oswald BP, van Leuven JT, Vallenderd EJ, Schultz-Darken N, Ross CN, Tardif SD, **Austad SN**, Forney LJ. (2019). Comparative genomics of *Bifidobacterium* species isolated from marmosets and humans. *American Journal of Primatology*. May 6:e983. doi: 10.1002/dneu.22676 [epub ahead of print]
- Tomczyk S, Buzgariu W, Perruchoud C, Fisher K, **Austad S**, Galliot B. (2019). Loss of neurogenesis in aging *Hydra*. *Developmental Neurobiology*. 2019 Mar 26. doi: 10.1002/dneu.22676. [Epub ahead of print]
- Parambeth JC, Ross CN, Miller AD, **Austad SN**, Lidbury JA, Suchodolski S, Steiner JM. (2019). Serum cobalamin and folate concentrations in common marmosets (*Callithrix jacchus*) with chronic lymphocytic enteritis. *Comparative Medicine* 69(2), 135-143. doi: 10.30802/AALAS-CM-18-000045.
- Austad SN**, Hoffman JM (2019). Response to genes that improved fitness also cost modern humans: evidence for genes with antagonistic effects on longevity and disease. *Evolutionary Medicine and Public Health*. 23, 7-8. doi: 10.1093/emph/eoz003.
- Austad SN**, Hoffman JM. (2018). Is antagonistic pleiotropy ubiquitous in aging biology? *Evolutionary Medicine and Public Health*. Oct 11; 2018(1), 287-294 doi: 10.1093/emph/eoy033. (George C. Williams prize-winning publication)
- Beltrán-Sánchez H, **Austad SN**, Finch CE. (2018). Comment on “The plateau of human mortality: demography of longevity pioneers.” *Science* Sept. 28:361(6409). pii: eaav1200. doi: 10.1126/science.aav1200.
- Barzilai N, Cuervo AM, **Austad SN**. (2018). Viewpoint: Aging as a biological target for prevention and therapy. *Journal of the American Medical Association*. doi: 10.1001/jama.2018.9562. Oct 2;320(13):1321-1322.
- Hood WR, **Austad SN**, Bize P, Jimenez AG, Montooth KL, Schulte PM, Scott GR, Sokolova K, Treberg JR, Salin K. (2018). The mitochondrial contribution to animal performance, adaptation, and life-history variation. *Integrative and Comparative Biology*. 58(3):480-485. doi:10.1093/icb/icy089/504967.
- Austad SN**. (2018). The comparative biology of mitochondrial function and the rate of aging. *Integrative and Comparative Biology*. 58(3):559-566. doi: 10.1093/icb/icy068.



- Hoffman JM, O'Neill DG, Creevy KE, **Austad SN**. (2018). Do female dogs age differently than male dogs? *Journals of Gerontology: Biological Science and Medical Sciences* 73(2), 150-156. DOI: [10.1093/gerona/glx061](https://doi.org/10.1093/gerona/glx061). PMC5861885.
- Ross CN, **Austad S**, Brasky K, Brown CJ, Forney LJ, Gelfond JA, Lanford R, Richardson A, Tardif SD. (2017). The development of a specific pathogen free (SPF) barrier colony of marmosets (*Callithrix jacchus*) for aging research. *Aging* (Albany, NY) 9(12), 2544-2558. DOI: [10.18632/aging.101340](https://doi.org/10.18632/aging.101340). PMC5764392.
- Zhang N, Valentine J, Zhou Y, Zhang Y, Bhattacharya A, Walsh ME, Fischer K, **Austad S**, Osmulski PA, Gaczynska ME, Shoelson S, Van Remmen H, Chen Y, Liang H, Musi N. (2017). Sustained NFκB inhibition improves insulin sensitivity but is detrimental to muscle health. *Aging Cell* 16(4):847-858. DOI: [10.1111/ace1.12613](https://doi.org/10.1111/ace1.12613). PMC55406420.
- Austad SN** (2017). Sex differences in health and longevity. In *Hazzard's Geriatric Medicine and Gerontology*, 7th Edition. J Halter, J Ouslander, S Studenski, K High, S Asthana, C Ritchie, and M Supiano (Eds.) McGraw-Hill: New York. Chapter 8 (pp 133-147). ISBN-13: 978-0-07-183345-5.
- Schenkelaars Q, Tomczyk S, Wenger Y, Edundayo K, Girard V, Buzgariu W, **Austad S**, Galliot B. (2017). *Hydra*, a model system for deciphering the mechanisms of aging and resistance to aging. *Handbook of Models for Human Aging*, 2nd Ed., PM Conn (ed.). Academic Press: Cambridge, MA.
- Hodes RJ, Sierra F, **Austad SN**, Epel E, Neigh GN, Erlandson KM, Schafer MJ, LeBrasseur NK, Wiley C, Campisi J, Sehl ME, Scalia R, Eguchi S, Kasinath BS, Halter JB, Cohen HJ, Demark-Wahnefried W, Ahles TA, Barzilai, Hurria A, Hunt PW. (2016). Disease drivers of aging. *Annals of the New York Academy of Sciences*, 1386(1),45-68.
- Austad SN**, Allison DB. (2016). Perspectives in aging: nutritional and energetic interventions. *Experimental Gerontology*. 86,1-3. pii: S0531-5565(16)30453-3. doi: [10.1016/j.exger.2016.10.007](https://doi.org/10.1016/j.exger.2016.10.007).
- Fischer KE, Hoffman JM, Sloane LB, Gelfond JAL, Soto VY, Richardson AG, **Austad SN**. (2016). A cross-sectional study of male and female C57BL/6Nia mice suggests lifespan and healthspan are not necessarily correlated. *Aging*. 8(10):2370-2391. doi: [10.18632/aging.101059](https://doi.org/10.18632/aging.101059). PMC5115894.
- Huffman DM Justice JN, Stout MB, Kirkland JL, Barzilai N, **Austad SN**. (2016) Evaluating Health Span in Preclinical Models of Aging and Disease: Guidelines, Challenges, and Opportunities for Geroscience. *Journals of Gerontology A: Biological Sciences and Medical Sciences*. 71(11),1395-1406. doi:[10.1093/gerona/glw106](https://doi.org/10.1093/gerona/glw106). PMC5055649.
- Justice J, Miller JD, Newman JC, Hashmi SK, Halter J, **Austad SN**, Barzilai N, Kirkland JL. (2016) Frameworks for proof-of-concept clinical trials of interventions that target fundamental aging processes. *Journals of Gerontology A: Biological Sciences and Medical Sciences*. 71(11),1415-1423. doi:[10.1093/gerona/glw126](https://doi.org/10.1093/gerona/glw126). PMC5055651.
- Burd CE, Gill MS, Niedernhofer LJ, Robbins PD, **Austad SN**, Barzilai N, Kirkland JL. (2016). Barriers to the preclinical development of therapeutics that target aging mechanisms. *Journals of Gerontology A: Biological Sciences and Medical Sciences*. 71(11),1388-1394. doi:[10.1093/gerona/glw112](https://doi.org/10.1093/gerona/glw112). PMC5055650.
- Newman JC, Milman S, Hashmi SK, **Austad SN**, Kirkland JL, Halter JB, Barzilai N. (2016). Strategies and challenges in clinical trials targeting human aging. *Journals of Gerontology A: Biological Sciences and Medical Sciences*. 71(11),1424-1434. doi:[10.1093/gerona/glw149](https://doi.org/10.1093/gerona/glw149). PMC5055653.
- Austad SN**, Fischer KE (2016). Sex differences in lifespan. *Cell Metabolism* 23:1022-33. doi: [10.1016/j.cmet.2016.05.019](https://doi.org/10.1016/j.cmet.2016.05.019). PMC4932837.

- Richardson A, **Austad SN**, Ikeno Y, Unnikrishnan A, McCarter RJ. (2016). Significant life extension by ten percent dietary restriction. *Annals of the New York Academy of Sciences* 1363(1): 11-17. doi: 10.1111/nyas.12982. PMC4836177.
- Richardson A, Fischer KE, Speakman JR, de Cabo R, Mitchell SJ, Peterson CA, Rabinovitch P, Chiao YA, Taffet G, Miller RA, Renteria RC, Bower J, Ingram DK, Ladiges WC, Ikeno Y, Sierra F, **Austad SN** (2016). Measures of healthspan as indices of aging in mice – a recommendation. *Journal of Gerontology Series A Biological and Medical Sciences*. 71(4): 427-30. PMC4834833.
- Treaster SB, Chaudhuri A, **Austad SN**. (2015). Longevity and GAPDH stability in bivalves and mammals: a convenient marker for comparative gerontology and proteostasis. *PLoS One* Nov 30;10(11):e0143680. doi: 10.1371/journal.pone.0143680. PMC4664256.
- Austad SN**. (2015). The geroscience hypothesis: is it possible to change the rate of aging? in *Advances in Geroscience*. F Sierra and R Kohanski (Eds). Springer: Cham Heidelberg New York Dordrecht London. Chapter 1 (pp. 1-36). ISBN 978-3-319-23245-4. 666 pages.
- Gruber H, Wessels W, Boynton P, Xu J, Wohlgemuth S, Leeuwenburgh C, Qi W, **Austad SN**, Schaible R, Philipp EE (2015). Age-related cellular changes in the long-lived bivalve *A. islandica*. *Age (Dordr)* 37(5):9831. Doi: 10.1007/s11357-015-9831-8. Epub 2015 Aug 29. PMCID: in process.
- Fischer KE, Gelfond JAL, Soto VY, Han C, Someya S, Richardson A, **Austad SN** (2015). Health effects of long-term rapamycin treatment: the impact on mouse of enteric rapamycin treatment from four months of age throughout life. *PloS One* May 15;10(5):e0126644. doi: 10.1371/journal.pone.0126644. PMC4433347.
- Creevy K, **Austad SN**, Hoffman J, O'Neill D, Promislow DEL (2015). The Companion Dog as a Model for the Longevity Dividend. Chapter 7 in *Aging: The Longevity Dividend*, Olshansky SJ, Martin GM, Kirkland JL (eds). pp. 107-120. Cold Spring Harbor Laboratory Press: Cold Spring Harbor, NY. ISBN-13: 978-1621820802.
- Austad SN**, Bartke A (2015). Sex differences in longevity and in responses to anti-aging interventions: a minireview. *Gerontology* 62(1):40-6. DOI: 10.1159/000381472. May 6 (epub ahead of print). PMCID: in process.
- Austad SN** (2015). Commentary: The human prenatal sex ratio: a major surprise. *Proceedings of the National Academies of Sciences USA*. 112(16):4839-40. doi/10.1073/pnas.1505165112. PMC4413335.
- Pride H, Sunchu B, Mochnick J, Coles A, Zhang Y, Buffenstein R, Hornsby PJ, **Austad SN**, Pérez VI. (2015). Long-lived species have improved proteostasis compared to phylogenetically-related shorter-lived species. *Biochemical and Biophysical Research Communications*. 457(4), 669-75.
- Finch CE & **Austad SN**. (2015). Commentary: Is Alzheimer's disease uniquely human? *Neurobiology of Aging*. 36(2), 553-55. PMC4394838.
- Tomczyk S, Fischer KE, **Austad SN**, Galliot B. (2015) Hydra, a powerful model for aging studies. *Invertebrate Reproduction and Development* 59(S1), 11-16. PMC4464166.
- Walsh ME, Sloane LB, Fischer KE, **Austad SN**, Richardson A, VanRemmen H. (2015). Use of nerve conduction velocity to assess peripheral nerve health in aging mice. *Journals of Gerontology Series A: Biological Sciences & Medical Sciences*. 70(11):1312-19. doi: 10.1093/gerona/glu208. PMC4612382.
- Austad SN**. (2014). The evolutionary basis of aging (Chapter 2). in *Molecular & Cellular Biology of Aging*. J. Vijg, J. Campisi, & G. Lithgow (eds). The Gerontological Society of America: Washington DC, USA. pp. 15-48.

- Allison DB, Antoine LH, Ballinger SW, Bamman MM, Biga P, Darley-USmar VM, Fisher G, Gohlke JM, Halade GV, Hartman JL IV, Hunter GR, Messina JL, Nagy TR, Plaisance EP, Powell ML, Roth KA, Sandel MW, Schartz TS, Smith DL Jr, Sweatt JD, Tollefsbol TO, Watts SA, Yang Y, Zhang J, **Austad SN**. (2014) Aging and energetics' 'Top 40' future research opportunities 2010-2013 [v1; ref status: indexed, <http://f1000r.es/4ae>] *F1000Research* 2014, **3**:219 (doi: [10.12688/f1000research.5212.1](https://doi.org/10.12688/f1000research.5212.1)). PMC4197746.
- Chalfin L, Dayan M, Levy DR, **Austad SN**, Miller RA, Iraqi FA, Dulac C, Kimchi T (2014). Mapping ecologically relevant social behaviours by gene knockout in wild mice. *Nature Communications* Aug 5; 5:4569. doi: 10.1038/ncomms5569.
- Ryu J, Galan AK, Xin X, Dong F, Abdul-Ghani MA, Zhou L, Wang C, Li C, Holmes BM, Sloane LB, **Austad SN**, Guo S, Musi N, Defronzo RA, Deng C, White MF, Liu F, Dong LQ. (2014). APPL1 potentiates insulin sensitivity by facilitating the binding of IRS1/2 to the insulin receptor. *Cell Reports* 7(4), 1227-38. PMC4380268.
- Ratnam S, Engler P, Bozek G, Mao L, Podlutzky A, **Austad S**, Martin T, Storb U (2014). Identification of Ssm1b, a novel modifier of DNA methylation, and its expression during mouse embryogenesis. *Development* 141, 2024-34. PMC4011089.
- Finch CE & **Austad SN**. (2014). Primate models for human brain aging and neurological diseases (Chapter 5). In *Annual Review of Gerontology and Geriatrics – Genetics*. Vol. 34. R.L. Sprott (ed.). Springer: New York. pp. 139-70.
- Treaster SB, Ridgway ID, Richardson CA, Chaudhuri AR, **Austad SN**. (2014) Superior proteome stability in the world's longest-lived animal. *Age* 36(3),9597. doi: 10.1007/s11357-013-9597-9. Epub 2013 Nov 20. PMC4082568.
- Elbourkadi N, **Austad SN**, Miller RA. (2014). Fibroblasts from long-lived species of mammals and birds show delayed, but prolonged, phosphorylation of ERK. *Aging Cell* 13(2), 283-91. PMC3954945.
- Zhang, Y, Bokov A, Gelfond J, Soto V, Ikeno Y, Hubbard G, Diaz V, Sloane L, Maslin K, Treaster S, Rendon S, VanRemmen H, Ward W, Javors M, Richardson A, **Austad SN**, Fischer KE. (2014). Rapamycin extends life and health in C57BL/6 mice. *Journals of Gerontology: Biological Sciences & Medical Sciences* 69(2), 119-30. PMC3954945.
- Shi Y, Pulliam DA, Liu Y, Hamilton RT, Jernigan AL, Bhattacharya A, Sloane LB, Qi W, Chaudhuri A, Buffenstein R, Ungvari ZI, **Austad SN**, Van Remmen H. (2013). Reduced mitochondrial ROS, enhanced antioxidant defense, and distinct age-related changes in oxidative damage in muscles of *Peromyscus leucopus*. *American Journal of Physiology: Regulatory, Integrative, and Comp Physiology*. 304(5), R343-55. PMC4116415.
- Gimenez LED, Ghildyal P, Fischer KE, Hu H, Ja WW, Eaton BA, Wu Y, **Austad SN**, Ranjan R. (2013). Modulation of methuselah expression targeted to *Drosophila* insulin-producing cells extends life and enhances oxidative stress resistance. *Aging Cell* 12(1):121-9. PMC3552032.
- Ungvari Z, Sosnowska D, Mason JB, Gruber H, Lee SW, Schwartz TS, Brown MK, Storm NJ, Fortney K, Sowa J, Byrne AB, Kurz T, Levy E, Sonntag WE, **Austad SN**, Csiszar A, Ridgway I. (2013). Resistance to genotoxic stresses in *Arctica islandica*, the longest living noncolonial animal: Is extreme longevity associated with a multistress resistance phenotype? *Journals of Gerontology Biological Sciences & Medical Sciences*. 68(5), 521-29. PMC3623481.
- Austad SN**. (2012). Ageing: mixed results for dieting monkeys. *Nature*, 489, 210-11. PMID: N/A.
- Hinojosa CA, Mgbemena B, Van Roekel S, **Austad SN**, Miller RA, Bose S, Orihuela, CJ. (2012) Enteric-delivered rapamycin enhances resistance of aged mice to pneumococcal pneumonia

- through reduced cellular senescence. *Experimental Gerontology* 47(12) 958-65. PMC3490006.
- Nussey DH, Froy H, Lemaitre J-F, Gaillard J-M, **Austad SN** (2013) Senescence in natural populations of animals: widespread evidence and its implications for biogerontology. *Aging Research Reviews*. 12, 214-225. PMID: PMC4246505.
- Ungvari Z, Csiszar A, Sosnowska D, Philipp EE, Campbell CM, McQuary PR, Chow TT, Coelho M, Didier ES, Gelino S, Holmbeck MA, Kim I, Levy E, Sonntag WE, Whitby PW, **Austad SN**, Ridgway I. (2013). Testing predictions of the oxidative stress hypothesis of aging using a novel invertebrate model of longevity: the giant clam (*Tridacna derasa*). *J. Gerontol. A Biol Sci Med Sci*. 68(4), 359-67. PMC3732095.
- Liu M, Xiang R, Wilk SA, Zhang N, Sloane LB, Azarnoush K, Zhou L, Chen H, Xiang G, Walter CA, **Austad SN**, Musi N, Defronzo RA, Asmis R, Scherer PE, Dong LQ, Liu F. (2012). Fat-Specific DsbA-L Overexpression Promotes Adiponectin Multimerization and Protects Mice From Diet-Induced Obesity and Insulin Resistance. *Diabetes* 61, 2776-86. PMC3478538.
- Halloran J, Hussong S, Burbank R, Podlutskaya N, Fischer K, Sloane L, **Austad SN**, Strong R, Richardson A, Hart M, Galvan V. (2012). Chronic inhibition of mammalian target of rapamycin by rapamycin modulates cognitive and non-cognitive components of behavior throughout lifespan in mice. *Neuroscience*, 223, 102-113. PMC3454865.
- Finch CE, **Austad SN**. (2012). Primate aging in the mammalian scheme: the puzzle of extreme variation in brain aging. *Age*, 34, 1075-91. PMC3448989.
- Anson RM, Willcox B, **Austad S**, Perls T. (2012). Within- and between-species study of extreme longevity – comments, commonalities, and goals. *Journals of Gerontology Series A Biological and Medical Sciences* 67, 347-350. PMC3309878.
- Gomes NM, Ryder PA, Houck ML, Charter SJ, Walker W, Forsyth NR, **Austad SN**, Venditti C, Pagel M, Shay JW, Wright WE. (2011). Comparative biology of mammalian telomeres: hypotheses on ancestral states and the roles of telomeres in longevity determination. *Aging Cell* 10, 761-68. (*Aging Cell* 2011 Runner-up Best Paper Prize). PMC3387546,
- Austad SN** (2011). Raising the retirement age: a biologist's perspective. *Public Policy & Aging Report* 21(2), 8-11. PMID: N/A
- Ridgway ID, Richardson CA, Enos E, Ungvari Z, **Austad SN**, Philipp EER, Csiszar A. (2011). New species record for the hard clam, *Mercenaria mercenaria*. *Journal of Shellfish Research* 30(1), 35-38. PMID: N/A
- Bhattacharya A, Leonard S, Tardif S, Buffenstein R, Fischer KE, Richardson A, **Austad SN**, Chaudhuri AR. (2011). Attenuation of liver insoluble protein carbonyls: indicator of a longevity determinant? *Aging Cell* 10, 720-23. PMC3766365.
- Ungvari Z, Ridgway I, Philipp E, Campbell C, McQuary P, Chow T, Coelho M, Didier ES, Gelino S, Holmbeck MA, Kim I, Levy E, Sosnowska D, Sonntag WI, **Austad SN**, Csiszar A. (2011). Extreme longevity is associated with increased resistance to oxidative stress in *Arctica islandica*, the longest-living noncolonial animal. *Journals of Gerontology: Biological Sciences & Medical Sciences* 66(7), 741-50. PMC3143345.
- Austad SN**. (2011). Candidate bird species for use in aging research. *ILAR Journal* 52, 89-95. PMID: N/A
- Fischer KE, **Austad SN** (2011). The development of small primate models for aging research. *ILAR Journal* 52:78-88. PMID: N/A
- Austad SN**. (2011). Sex differences in longevity. In *Handbook of the Biology of Aging*, 7th Edition. E.J. Masoro and S.N. Austad (eds). Academic Press: San Diego, CA. pp. 479-96.
- Austad SN**. (2010). The first 150-year-old human. *Public Policy & Aging Report* 20(4), 14-17.

- Sloane LB, Stout JT, **Austad SN**, McClearn GE. (2010). Tail tendon break time: a biomarker of aging? *Journals of Gerontology: Biological Sciences and Medical Sciences* 66, 287-94. PMC3041475
- Finch CE, **Austad SN**. (2010). Blind cave salamanders age very slowly: a new member of Methuselah's bestiary. *Bioessays*, 33(1), 27-29.
- Reichard JD, Prajapati SI, **Austad SN**, Keller C, Kunz TH. (2010). Thermal windows on Brazilian free-tailed bats facilitate thermoregulation during prolonged flight. *Integrative & Comparative Biology* 50(3), 358-370.
- Austad SN**. (2010). Cats, "rats," and bats: the comparative biology of aging in the 21st century. *Integrative & Comparative Biology* 50(5), 783-792.
- Ridgway ID, Richardson CA, **Austad SN**. (2010). Maximum shell size, growth rate and maturation age correlate with longevity in bivalve molluscs. *Journals of Gerontology: Biological Sciences and Medical Sciences*. 66A, 183-190. PMC3107019.
- Austad SN** (2010). Animal models of reproductive aging: what can they tell us? *Annals of the New York Academy of Sciences*, 1204, 123-126.
- Austad SN**. (2010). Hot Topics - recent advances in vertebrate aging research 2009. *Aging Cell*, 9, 297-303.
- Miller RA, Williams JB, Kiklevich JV, **Austad SN**, Harper JM. (2011). Comparative cellular biogerontology: primer and prospectus. *Ageing Research Reviews* 10(2), 181-190.
- Austad SN**. (2010). Methuselah's Zoo: how nature provides us clues for extending human healthspan. *Journal of Comparative Pathology* 142, S10-S21.
- Austad SN** (2010). Animal size, metabolic rate, and survival, among and within species. In *Comparative Biology of Aging*, N.S. Wolf (ed). Springer Science & Business Media, New York. pp. 27-42.
- Salmon A, Leonard S, Masamsetti V, Pierce A, Podlutsky A, Podlutskaya N, Richardson A, **Austad SN**, Chaudhuri AR. (2009). The long lifespan of two bat species is correlated with resistance to protein oxidation and enhanced protein homeostasis. *FASEB J.* 23 (7), 2317-26.
- Austad, S.N.** (2009). Comparative biology of aging. *Journals of Gerontology: Biological Sciences*. 64(2) 199-201
- Austad, S.N.** (2009). Is there a role for new invertebrate models for aging research? *Journals of Gerontology: Biological Sciences & Medical Sciences*, 64(2), 192-94. PMC2655024.
- Labinskyy N, Mukhopadhyay P, Toth J, Szalai G, Veres M, Losonczy G, Pinto JT, Pacher P, Ballabh P, Podlutsky A, **Austad SN**, Csiszar A, Ungvari Z. (2009). Longevity is associated with increased vascular resistance to high glucose-induced oxidative stress and inflammatory gene expression in *Peromyscus leucopus*. *Am. J. Physiol. Heart Circ. Physiol.* 296(4):H946-56.
- Austad, S.N.** 2008. Making sense of biological theories of aging. in *Handbook of theories of aging*, 2nd Ed. Bengtson VL, Gans D, Putney NM, Silverstein M (eds). Springer Publ., New York. Ch. 8, 147-162.
- Csiszar A, Labinskyy N, Perez V, Recchia FA, Podlutsky A, Mukhopadhyay P, Losonczy G, **Austad SN**, Bartke A, Ungvari Z. 2008. Endothelial function and vascular oxidative stress in long-lived GH/IGF-deficient Ames dwarf mice. *American Journal of Physiology: Heart Circulatory Physiology* 295, H1882-94.
- Ungvari Z, Krasnikov BF, Csiszar A, Labinskyy N, Mukhopadhyay P, Pacher P, Cooper AJL, Podlutskaya N, **Austad SN**, Podlutsky A. 2008. Testing hypotheses of aging in long-lived mice of the genus *Peromyscus*: association between longevity and mitochondrial stress resistance, ROS detoxification pathways, and DNA repair efficiency. *Age*, 30, 121-133.

- Ungvari Z, Buffenstein R, **Austad SN**, Podlutzky A, Kaley G, Csiszar A. (2008). Oxidative stress in vascular senescence: lessons from successfully aging species. *Front. Biosci.* 13, 5056-70.
- Raveendran M, Tardif S, Ross CN, **Austad SN**, Harris RA, Milosavljevic A, Rogers J. (2008). Polymorphic microsatellite loci for the common marmoset (*Callithrix jacchus*) designed using a cost- and time-efficient method. *American Journal of Primatology* 70(9), 906-910.
- Austad, SN.** (2008). Hot topics in vertebrate aging research 2007. *Aging Cell* 7, 119-124.
- Austad, SN & Kirkwood, TBL.** (2008). Evolutionary theory in aging research. *The Molecular Biology of Aging*. L. Guarente, L. Partridge, D.C. Wallace (eds). Cold Spring Harbor Press, Cold Spring Harbor, NY. Pp. 95-111.
- Austad, SN, Finch, CE.** 2008. The evolutionary context of human aging and degenerative disease. In SC Stearns & JC Koella (eds). *Evolution in health and disease*, 2nd Edition. Oxford University Press: Oxford, UK. pp. 301-311.
- Flurkey, K; Brandvian, Y; Klebanov, S; **Austad, SN**; Miller, RA, Yuan, R., Harrison, D.E. (2007). PohnB6F1: a cross of wild and domestic mice that is a new model of extended female reproductive life span. *Journal of Gerontology: Biological Sciences*, 62A: 1187-98.
- Csiszar A, Labinsky N, Zhao X, Hu F, Serpillon S, Huang Z, Ballabh P, Levy RJ Hintze TH, Wolin MS, **Austad SN**, Podlutzky A, Ungvari Z. (2007). Vacular superoxide and hydrogen peroxide production and oxidative stress resistance in two closely related rodent species with disparate longevity. *Aging Cell*, 6: 783-97.
- Lambert, AJ; Boysen, HM; Buckingham, JA; Yang, T; Podlutzky, A; **Austad, SN**; Kunz, TH; Buffenstein, R; Brand, MD. 2007. Low rates of hydrogen peroxide production by isolated heart mitochondria associate with long maximum lifespan in vertebrate homeotherms. *Aging Cell*, 6: 607-618.
- Magalhães, JP; Sedivy, JM; Finch, CE; **Austad, SN**; Church, GM. 2007. A proposal to sequence genomes of unique interest for research on aging. *Journal of Gerontology: Biological Sciences* 62A, 583-84.
- Austad, SN.** 2007. Patterns in mammalian aging: demography and evolution. Robine, J-M., Crimmins, E., Horiuchi, S., Yi, Z. (eds). *Longevity, Individual Life Duration, and the Growth of the Oldest-Old Population*. Springer Publ., Dordrecht, Netherlands. Pp. 43-55.
- Austad, SN.** 2007. Hot topics in vertebrate aging research 2006. *Aging Cell* 6(2), 135-138.
- Harper, JM, Leathers, CW, **Austad, SN.** 2006. Does caloric restriction extend life in wild mice? *Aging Cell* 5, 441-449.
- Sprott, R.L. & **Austad, S.N.** 2006. Historical development of animal models of aging. In Conn, P.N. (Ed) *Handbook of Models for Human Aging*, (pp.1-8) Burlington: Elsevier.
- Harper, JM, Durkee, SJ, Dysko, RC, **Austad, SN**, Miller, RA. 2006. Genetic modulation of hormone levels and life span in hybrids between laboratory and wild-derived mice. *Journals of Gerontology: Biological Sciences* 61, 1019-1029.
- Austad, SN.** 2006. Why women live longer than men: sex differences in longevity. *Gender Medicine*, 3, 79-92.
- Yuan, R, Flurkey, K, Van Aelst-Bouma, R, Zhang, W, King, B, **Austad, S**, Miller, RA, Harrison, DE. 2006. Altered growth characteristics of skin fibroblasts from wild-derived mice, and genetic loci regulating fibroblast clone size. *Aging Cell*, 5, 203-212.
- Brunet-Rossini, AK, **Austad, SN.** 2006. Senescence in natural populations of mammals and birds. In *Handbook of the Biology of Aging*, 6th Ed. Masoro, EJ & Austad, SN (eds.). Academic Press, San Diego, CA. pp. 243-265.
- Miller, RA, **Austad, SN.** 2006. Growth and aging: why do big dogs die young? In *Handbook of the Biology of Aging*, 6th Ed. Masoro, EJ & Austad, SN (eds.). Academic Press, San Diego, CA. pp. 512-533.

- Austad, SN**, Podlutzky, A. 2006. A critical evaluation of nonmammalian models for aging research. In *Handbook of the Biology of Aging*, 6th Ed. Masoro, EJ & Austad, SN (eds.). Academic Press, San Diego, CA. pp. 449-469.
- Shupe, JM, Kristan, DM, **Austad, SN**, Stenkamp, DL. 2005. The eye of the laboratory mouse remains anatomically adapted for natural conditions. *Brain, Behavior, and Evolution*, 67(1):39-52
- Podlutzky, AJ, Khritankov, AM, Ovodov, ND, **Austad, SN**. 2005. A new field record for bat longevity. *Journals of Gerontology: Biological Sciences* 60(11):1366-1368.
- Lorenzini, A, Tresini, M, **Austad, SN**, Cristofalo, VJ. 2005. Cellular replicative capacity correlates primarily with species body mass not longevity. *Mechanisms of Ageing and Development*, 126, 1130-33.
- Austad, SN**. 2005. A biologist's perspective: whence come we, where are we, whither go we? In. *Enduring Questions and Changing Perspectives in Gerontology*. D.J. Sheets, D.B. Bradley, & J. Hendricks, Eds. New York: Springer Publishing. pp. 29-62.
- Austad, SN**. 2005. Diverse aging rates in metazoans: targets for functional genomics. *Mechanisms of Ageing and Development*, 126, 43-49.
- Butler RN, Warner HR, Williams TF, **Austad SN**, Brody JA, Campisi J, Cerami A, Cohen G, Cristofalo VJ, Drachman DA, Finch CE, Fridovich I, Harley CB, Havlik RJ, Martin GM, Miller RA, Olshansky SJ, Pereira-Smith OM, Smith JR, Sprott RL, West MD, Wilmoth JR, Wright WE. 2004. The aging factor in health and disease: the promise of basic research on aging. *Aging: Clinical and Experimental Research*, 16(2), 104-111.
- Bonier, F, Quigley, H, **Austad, SN**. 2004. A technique for noninvasively detecting stress response in cougars. *Wildlife Society Bulletin*, 32, 711-717.
- Harper, J.M. and **Austad, S.N.** 2004. Fecal Corticosteroid Levels in Free-Living Populations of Deer Mice (*Peromyscus maniculatus*) and Southern Red-Backed Voles (*Clethrionomys gapperi*). *American Midland Naturalist*, 152: 402-409.
- Austad, SN**. 2004. Is ageing programmed? *Aging Cell*, 3: 249-251.
- Austad, SN**. 2004. Roy Walford: a personal tribute. *Experimental Gerontology*, **36**, 871-872.
- Holmes DJ; **Austad SN**. 2004. Declining immunity with age in the wild? Evidence from bird populations. *Sci. Aging Knowl. Environ.* (21), pe22.
- Brunet-Rossinni AK, **Austad SN**. 2004. Ageing studies on bats: a review. *Biogerontology*, 5, 211-222.
- Austad, SN**. 2004. On Herrera and Jagadeeswaran's "Annual fish as a genetic model for aging." *J. Gerontol. A Biol. Sci. Med Sci.* 59:99-100.
- Austad, SN**. 2003. Introduction to animal models. *Exp. Gerontol.* 38:1327-1328.
- Austad, SN**; Kristan, DM. 2003. Are mice calorically-restricted in nature? *Aging Cell* 2: 209-218.
- Miller, R.A., Harper, J.M., Dysko, R.C., Durkee, S.J., **Austad, S.N.** 2002. Longer life spans and delayed maturation in wild-derived mice. *Experimental Biology and Medicine* 227: 500-508.
- Austad, S.N.** (2001). The comparative biology of aging. in V.J. Cristofalo & R. Adelman (Eds.). Annual Review of Gerontology and Geriatrics. Vol. 21. *Modern Topics in the Biology of Aging*. Springer: New York. pp. 19-40.
- Austad, S.N.** (2001). Does caloric restriction in the laboratory simply prevent overfeeding and return house mice to their natural level of food intake? Science of Aging Knowledge Environment. AAAS. <http://sageke.sciencemag.org/cgi/content/full/sageke;2001/6/pe3>
- Harper, J.M., **Austad, S.N.** (2001). Effect of capture and season on fecal glucocorticoid levels in deer mice (*Peromyscus maniculatus*) and red-backed voles (*Clethrionomys gapperi*). *General and Comparative Endocrinology* 123, 337-344.

- Ogburn, C.E., Martin, G.M., Ottinger, M.A., Holmes, D.J., Carlberg, K., **Austad, S. N.** (2001). Exceptional cellular resistance to oxidative damage in long-lived birds requires active gene expression. *Journal of Gerontology: Biological Sciences* 56A:B468-B474.
- Hamilton M.L., Guo Z.M., Fuller C.D., Ward, W.F., **Austad, S.N.**, Troyer, D.A., Van Remmen, H., & Richardson, A. (2001). A reliable assessment of 8-oxo-2-deoxyguanosine levels in nuclear and mitochondrial DNA using the sodium iodide method to isolate DNA. *Nucleic Acids Research*, 29, 2117-2126.
- Austad, S.N.** 2001. An experimental paradigm for the study of slowly-aging organisms. *Experimental Gerontology*. 36: 599-605.
- Holmes, D.J., Flückiger, R., **Austad, S.N.** 2001. Comparative biology of aging in birds: an update. *Experimental Gerontology*. 36: 849-83.
- Finch, C.E., **Austad, S.N.** 2001. History and prospects: symposium on organisms with slow aging. *Experimental Gerontology*. 36: 593-597.
- Austad, S.N.** 2001. Concepts and theories of aging. In *Handbook of the Biology of Aging*, 5th Edition. Masoro, E.J. & Austad, S.N. (Eds.) San Diego, CA: Academic Press. p. 3-22.
- Allison, D.B., Miller, R.A., **Austad, S.N.**, Bouchard, C., Leibel, R., Klebanov, S., Johnson, T., and Harrison, D.E. (2001). Genetic variability in responses to caloric restriction in animals and in regulation of metabolism and obesity in humans. *Journal of Gerontology: Biological Sciences* 56A:55-65.
- Kirkwood, T.B.L & **Austad, S.N.** 2000. Why do we age? *Nature* 408: 233-238.
- Brisbin, I.L. Jr., **Austad, S.N.**, and Jacobson, S.K. 2000. Canine detectives: the nose knows—or does it? *Science* 290: 1093.
- Harper, J.M. & **Austad, S.N.** 2000. Fecal glucocorticoids: a noninvasive method of measuring adrenal activity in wild and captive rodents. *Physiol. Biochem. Zool.* **73**: 12-22.
- Miller, R.A., Dysko, R. Chrisp, C., Seguin, R., Linsalata, L., Buehner, G., Harper, J.M., & **Austad, S.N.** 2000. Mouse stocks derived from tropical islands: new models for genetic analysis of life history traits. *Journal of Zoology* **250**: 95-104.
- Miller, R.A., **Austad, S.N.**, Burke, D., Chrisp, C., Dysko, R., Galecki, A., Jackson, A., & Monnier, V. 1999. Exotic mice as models for aging research: polemic and prospectus. *Neurobiology of Aging*. **20**: 217-231.
- Ogburn, C.E.; **Austad, S.N.**; Holmes, D.J.; Kiklevich, J.V., Gollahon, K.; Rabinovitch, P.S., and Martin, G.M. 1998. Cultured renal epithelial cells from birds and mice: enhanced resistance of avian cells to oxidative stress and DNA damage. *J. Gerontol. Biol. Sci.* 53A: B287-B292.
- Austad, S.N.** & Holmes, D.J. 1998. Evolutionary approaches to probing aging mechanisms. in *Methods in Aging Research*, B.P. Yu (ed.). CRC Press, Boca Raton, FL. pp. 437-452.
- Austad, S.N.** 1998. Small nonhuman primates as potential models of human aging. *ILAR Journal* 38(3):142-147.
- Austad, S.N.** 1998. Birds as models of aging in biomedical research. *ILAR Journal* 38(3):137-141.
- Austad, S.N.** 1997. Postreproductive survival and the role of the elderly in nature. in *Between Zeus and the Salmon: The Biodemography of Longevity*. K.W. Wachter and C.E. Finch (eds.). National Academy Press: Washington, DC. pp. 161-174.
- Austad, S.N.** 1997. Issues in the choice of genetic configuration for animal aging models. *Experimental Gerontology*. 32:55-63.
- Austad, S.N.** 1997. Comparative aging and life histories in mammals. *Experimental Gerontology* 32:23-38.
- Masoro, E.J. & **Austad, S.N.** 1996. The evolution of the antiaging action of dietary restriction: a hypothesis. *Journals of Gerontology* 51A:B387-B391.

- Austad, S.N.** 1996. The uses of intraspecific variation in aging research. *Experimental Gerontology* 31: 453-463.
- Martin, G.M., **Austad, S.N.**, & Johnson, T.E. 1996. Genetic analysis of ageing: role of oxidative damage and environmental stresses. *Nature Genetics* 13:25-34.
- Sprott, R.L. & **S.N. Austad.** 1996. Animal models for aging research. In: *Handbook of the biology of aging*. 4th Edition. E. Schneider & J.W. Rowe (Eds.). San Diego, CA: Academic Press. pp. 3-23.
- Austad, S.N.** 1995. Aging and caloric restriction: human effects and mode of action. *Neurobiology of Aging* 16:851-852.
- Holmes, D.J. & **S. N. Austad.** 1995. The evolution of avian senescence patterns: implications for understanding primary aging processes. *American Zoologist* 35: 307-317.
- Holmes, D.J. and **S.N. Austad.** 1995. Birds as animal models for the comparative biology of aging: a prospectus. *Journals of Gerontology* 50A: B59-B66.
- Lewis, S.M. & **S.N. Austad.** 1994. Sexual selection in flour beetles: the relationship of sperm precedence to male olfactory attractiveness. *Behavioural Ecology* 5:219-224.
- Brisbin, I.L., Jr., R.P. Coppinger, M.H. Feinstein, **S.N. Austad,** & J.J. Mayer. 1994. The New Guinea Singing Dog (*Canis lupus dingo*): taxonomy, captive studies, and conservation priorities. *Science in New Guinea* 20(1): 27-38.
- Austad, S.N.** 1994. Menopause: an evolutionary perspective. *Experimental Gerontology* 29: 255-263.
- Austad, S.N.** 1994. Communication complexity and modality in non-primate mammals. *Discussions in Neuroscience* 10: 89-92.
- Holmes, D.J. & **S.N. Austad.** 1994. Fly now, die later: life history correlates of flying and gliding in mammals. *Journal of Mammalogy* 75:224-226.
- Phelan, J.P. & **S.N. Austad.** 1994. Selecting animal models of human aging: inbred strains often exhibit less biological uniformity than F₁ hybrids. *Journals of Gerontology* 49: B1-B11.
- Austad, S.N.** 1993. The comparative perspective and choice of animal models in aging research. *AGING, Clinical and Experimental Research* 5:259-267.
- Brisbin, I.L. & **S.N. Austad.** 1993. The use of trained dogs to discriminate human scent: a reply. *Animal Behaviour* 46:191-192.
- Austad, S.N.** 1993. Retarded aging rate in an insular population of opossums. *Journal of Zoology* 229: 695-708.
- Austad, S.N.** & K.E. Fischer. 1992. Primate longevity: its place in the mammalian scheme. *American Journal of Primatology* 28: 251-261.
- Leimar, O., **S. Austad,** M. Enquist. 1991. A test of the sequential assessment game: fighting in the bowl and doily spider. *Evolution* 45:862-874.
- Brisbin, I.L. and **S.N. Austad.** 1991. Testing the individual odour theory of canine olfaction. *Animal Behaviour* 42:63-70.
- Gladstein, D.S., N.F. Carlin, **S.N. Austad,** and W.H. Bossert. 1991. The need for sensitivity analyses of dynamic models: how adaptable are the lazy lions? *Oikos* 60: 121-126.
- Austad, S.N.** and K.E. Fischer. 1991. Mammalian aging, metabolism, and ecology: evidence from the bats and marsupials. *Journal of Gerontology* 46:B47-B53.
- Zuk, M., R. Thornhill, J.D. Ligon, K. Johnson, **S. Austad,** S.H. Ligon, N.W. Thornhill, and C. Costin. 1990. The role of male ornaments and courtship behavior in female mate choice of red jungle fowl. *American Naturalist* 136: 459-473.
- Lewis, S. M. & **S.N. Austad.** 1990. Sources of intraspecific variation in sperm precedence in red flour beetles, *Tribolium castaneum*. *American Naturalist* 135:351-359.

- Philips, M. and S.N. Austad. 1990. Animal communication and social evolution. in *Interpretation and explanation in the study of animal behavior. vol. I: Interpretation, intentionality, and communication.* M. Bekoff and D. Jamieson (eds.). Westview Press: Boulder, Colorado. pp. 254-268.
- Phelan, J.P. & S.N. Austad. 1989. Natural selection, dietary restriction and extended longevity. *Growth, Development, & Aging* 53:4-6.
- Austad, S.N. 1989. Life extension by dietary restriction in the bowl and doily spider, *Frontinella pyramitela*. *Experimental Gerontology* 24: 83-92.
- Austad, S.N. 1989. Game theory and the evolution of animal contests. *Trends in Ecology and Evolution.* 4:2-3.
- Sunquist, M.E., S.N. Austad, and F. Sunquist. 1987. Movement patterns and home range in the common opossum (*Didelphis marsupialis*). *Journal of Mammalogy* 68:173-176.
- Austad, S.N. and M.E. Sunquist. 1986. Sex ratio manipulation in the common opossum. *Nature* 324: 58-60.
- Austad, S.N. and K.N. Rabenold. 1986. Demography and the evolution of cooperative breeding in the bicolor wren. *Behaviour* 97: 308-324.
- Waser, P.M., S.N. Austad, and B. Keane. 1986. When should animals tolerate inbreeding? *American Naturalist* 128: 529-537.
- Austad, S.N. and R. Thornhill. 1986. Female reproductive variation in a nuptial-feeding spider, *Pisaura mirabilis*. *Bulletin of the British Arachnological Society.* 7: 48-52.
- Austad, S.N. and K.N. Rabenold. 1985. Reproductive enhancement by helpers and an experimental examination of its mechanism in the bicolor wren. *Behavioral Ecology & Sociobiology.* 17:19-28.
- Austad, S.N. 1984. A classification of alternative reproductive behaviors and methods for field-testing ESS models. *American Zoologist.* 24: 309-319.
- Austad, S.N. and R.D. Howard. 1984. Introduction to the symposium: alternative reproductive tactics. *American Zoologist* 24: 307-308.
- Austad, S.N. 1984. The evolution of sperm priority patterns in spiders. in *Sperm Competition and the Evolution of Animal Mating Systems.* R.L. Smith (ed.). Academic Press: New York. pp. 223-249.
- Austad, S.N. 1983. A game theoretical interpretation of male combat in the bowl and doily spider, *Frontinella pyramitela*. *Animal Behaviour* 31: 59-73.
- Austad, S.N. 1982. First male sperm priority in the bowl and doily spider, *Frontinella pyramitela*. *Evolution* 36: 777-785.
- Austad, S.N., W.T. Jones, and P.M. Waser. 1979. Territorial defence in speckled wood butterflies: why does the resident always win? *Animal Behaviour* 27: 960-961.

EDITORIAL WORK:

- Co-editor (with David B. Allison). 2016. *Experimental Gerontology* Special Issue: Perspectives in Aging: Mechanisms of Nutritional Interventions. 86:1-154.
- Editorial Board Member and Book Review Editor. *Evolution, Medicine & Public Health.* 2012 – present.
- Editorial Board Member. *Longevity and Healthspan.* 2011-present.
- Editorial Board Member. *Journal of Population Ageing,* 2007-present.
- Editorial Board, *Biogerontology,* 1999 - present.
- Editorial Board, *Mechanisms of Aging & Development,* 2001 - 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.
Masoro, E.J. & **Austad, S.N.** (eds). *Handbook of the Biology of Aging*, 7th Edition. Academic Press,
San Diego, CA. (2011). 520 pp.
Masoro, E.J. & **Austad, S.N.** (eds). *Handbook of the Biology of Aging*, 6th Edition. Academic Press,
San Diego, CA. 2006. 660 pp.
Masoro, E.J. & **Austad, S. N.** (eds.) *Handbook of the Biology of Aging*, 5th Edition. Academic
Press. (2001). 534 pp.
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.
Biological Consultant, 1998. *The Nature of North America*, David Rockwell, New
York: Berkley Publishing Group.

NONTECHNICAL PUBLICATIONS:

Books

Austad, S.N. in prep. *Methuselah's Zoo: The Natural History of Exceptional Longevity*. MIT Press.
Austad, S.N. in prep. *Blind Injustice: Can Science Save our Criminal Justice System?*
Kiklevich, J.V. & **Austad, S.N.** 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, S.N. 1998. Aging. In: *Incredible Voyage: Exploring the Human Body*. National
Geographic Press: Washington, D.C. pp. 238-285.

Articles

Austad SN. October 2016 – present. **5 columns.** *The Huffington Post*.
Austad SN. April 2018 – present. **7 columns.** *Public Broadcasting Service's Next Avenue*. *Next Avenue* is public media's first and only national journalism service for America's booming older population.
Austad SN. June 2015-2018. Biweekly newspaper column "On Science" for *AL.com* (Alabama Media Group). **90 columns.** Available at: <http://search.al.com/Austad/>
Austad SN. March 2012- December 2013. Biweekly Sunday newspaper column "On Aging." *San Antonio Express-News* (Hearst Newspapers). **48 columns.**
A selection of columns is available at: <http://www.expressnews.com/author/steven-austad/>
Austad, S.N. 2002. Pour quelle raison vieillit-on? *La Recherche* Hors-serie No. 8, 36-42.
Austad, S.N. 2001. Field Trials. *Natural History* 11/01: 82-83.
Austad, S.N. 2001. Short Shrift to Long Life. *Natural History* 4/01:84-86.
Austad, S.N. 2000. Pushing the envelope. *Natural History* 10/00:38-39.

- Austad, S.N.** 2000. Animal Models of Aging (Worms to Birds). *Generations, Journal of the American Society on Aging* 24:25-30.
- Austad, S.N.** 1999. Le pouvoir de la sélection naturelle. *La Recherche* 322:26-31.(reprinted as El poder de la selección natural. *Mundo Científico* 205:16-22)
- Austad, S.N.** 1999. Meat and Right. *Natural History* 6/99: 18-19.
- Austad, S.N.** 1999. Natural Altruism (book review). *Natural History*. 3/99:14-15.
- Austad, S.N.** 1996. Blood Brothers (book review). *Natural History*. 11/96: 12-13.
- Austad, S.N.** 1996. Herbaphilia (book review). *Natural History*. 7/96: 6-7
- 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* 256(2):98-104.
- 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):

- 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.
 - Keynote speaker. Postdoctoral Researchers Day. University of Connecticut Medical School. Farmington, CT
- 2018
- Invited speaker. 4th 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. 9th Aquatic Models of Human Diseases Symposium, Woods Hole, MA
- 2017
- Keynote Address. 2nd 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. 16th 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. 25th 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. 21st 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 10th 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. 50th 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
 - 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 9th 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. 6th 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. 7th 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 16th 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. 2nd 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. XIXth 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
 - 5th 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 80th 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 4th 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. 17th 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. 4th 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. Herssonisos, 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
 - 3rd 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 3rd Age. Walla Walla, WA
 - *1st 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
 - *5th 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.
 - 7th 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.

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