

KATHLEEN E FISCHER

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EDUCATION

Harvard University, Cambridge MA Ph.D. Biology and Anthropology	1996
Harvard University, Cambridge MA M.A. Anthropology	1989
University of California, Santa Cruz Graduate Certificate, Science Communication	1988
University of California, Santa Cruz BA, Biology and Environmental Studies	1986

AWARDS

Louis B. Leakey Great Ape Fellowship	1998 – 1999
Fulbright Fellow	1990 – 1994
Wenner-Gren Fellow	1989 – 1990
Jacob K. Javitz Scholarship	1987 – 1992

EXPERIENCE

University of Alabama, Birmingham AL Research Assistant Professor, Department of Biology	2014-present
Barshop Institute for Longevity and Aging Studies, Univ. of Texas Health Science Center Research Assistant Professor, Department of Physiology	2010-2014
Yurok Tribe, California Natural Resource Scientist and Land Use Planner	2006-2010
Wildlife Conservation Society, Bronx Zoo NY Conservation Scientist	2001-2006
The Christensen Fund, Palo Alto CA Assistant Director	1999-2001
Duke University, Durham NC Post-doctoral Fellow	1998-1999

SELECTED PUBLICATIONS AND PAPERS

Fischer KE, Gelfond J, Soto VY, Chul H, Someya S, Richardson A and Austad SN. Health Effects of Long-term Rapamycin Treatment: the Impact on Mouse Health of Enteric Rapamycin Treatment from Four Months of Age throughout Life. *PLoS1* (submitted)

Zhang Y, **Fischer KE**, Soto VY, Liu Y, Richardson A and Salmon A. Obesity-induced oxidative stress, accelerated functional decline with age and increased mortality in mice. *Archiv Biochem and Biophysics* (submitted).

Walsh M, Sloane LB, **Fischer KE**, Austad SN, Richardson A, and Van Remmen R. Use of Nerve Conduction Velocity to Assess Peripheral Nerve Health in Aging Mice. *J Gerontol A Biol Sci Med Sci* (submitted).

Richardson A, **Fischer KE**, Speakman JR, deCabo R, Peterson CA, Rabinovitch P, Chiao YA, Taffet G, Miller RA, Finch C, Rentería RC, Bower J, Ingram DK, Ladiges WC, Ikeno Y, Sierra F, and Austad SN. Measures of Healthspan that Might be Informative of Aging in Mice – a Recommendation. *J Gerontol A Biol Sci Med Sci* (submitted).

Tomczyk S, **Fischer KE**, Austad SN & Galliot B. Hydra, a powerful model for aging studies. *Invert Reprod Dev*. 2014 DOI:10.1080/07924259.2014.927805

Hasty P, Livi CB, Dodds SG, Jones D, Strong R, Javors M, **Fischer KE**, Sloane L, Murthy K, Hubbard G, Sun L, Hurez V, Curriel TJ, Sharp ZD. eRapa restores a normal life span in a FAP mouse model. 2014. *Cancer Prev Res (Phila)*. Jan;7(1):169-78 PMID: PMC 4058993

Zhang Y, Bokov A, Gelfond J, Soto V, Ikeno Y, Hubbard G, Diaz V, Sloane L, Maslin K, Treaster S, Rendon S, van Remmen H, Ward W, Javors M, Richardson A, Austad S N and **Fischer KE** 2014 Rapamycin extends life and health in C57BL/6 mice *J Gerontol A Biol Sci Med Sci* 69(2): 119-30 PMID: PMC 4038246

Diaz-Gimenez, LE, Ghildyal P, **Fischer KE**, Hu H, Ja WW, Austad SN, Eaton B, Wu Y and Ranjan R. Modulation of Methuselah Expression Targeted to Drosophila Insulin-producing Cells Extends Life and Enhances Oxidative Stress Resistance. *Aging Cell* 2013 *Aging Cell* 12(1): 121-129. PMID: PMC 3552032

Fok WC, Zhang Y, Salmon AB Bhattacharya A, Gunda R, Jones D, Ward W, **Fischer KE**, Richardson A, Pérez VI. Short-Term Treatment With Rapamycin and Dietary Restriction Have Overlapping and Distinctive Effects in Young Mice. *J Gerontol A Biol Sci Med Sci* 2013: 68(2): 108-116. PMID: PMC3598360

Halloran J, Hussong S, Burbank R, Podlutskaya N, **Fischer KE**, Sloane L, Austad SN, Strong R, Richardson A, Hart M, Galvan V. Chronic inhibition of mammalian target of rapamycin by rapamycin modulates cognitive and noncognitive components of behavior throughout lifespan in mice. *Neuroscience* 2012: 223:102-113. PMID:PMC3454865

Bhattacharya A, Leonard S, Tardif S, Buffenstein R, **Fischer KE**, Richardson A, Austad SN, Chaudhuri AR. Attenuation of liver insoluble protein carbonyls: indicator of a longevity determinant? *Aging Cell* 2011: 10(4):720-23. PMID: PMC 3766365

Fischer KE and Steven N. Austad. The Development of Small Primate Models for Aging Research. *ILAR Journal* 2011: 8:52(1):78-88.

Fischer KE and Chapman CA. Frugivores and fruit syndromes: differences in patterns at the genus and species level. *Oikos* 66: 472-482.

Austad SN, **Fischer KE**. Mammalian aging metabolism and ecology: evidence from the bats and marsupials. *J Gerontology* 1991: 46(2):B47-B53.

Austad SN, **Fischer KE**. Primate longevity: its place in the mammalian scheme. *Am J Primatology* 1992: 28:251-261.

LANGUAGES

English—native language

French—speak, read and write with basic competence

Melanesian Pidgin—speak, read and write with basic competence

PROFESSIONAL MEMBERSHIPS

Gerontological Society of America

Society for Conservation GIS

OTHER MEMBERSHIPS

Safe Zone Volunteer