

CURRICULUM VITAE

CONTACT INFORMATION

James M. Harper
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ACADEMIC APPOINTMENTS

09/2012 – present: **Assistant Professor**
Department of Biological Sciences
Sam Houston State University
Huntsville, TX

07/2004 – 08/2012: **Research Investigator**
Department of Pathology
University of Michigan School of Medicine
Ann Arbor, MI

EDUCATION

09/2000 – 07/2004: **Postdoctoral Training**
Department of Pathology and the Geriatrics Center
University of Michigan
Ann Arbor, MI

09/1994 – 08/2000: **Doctor of Philosophy, Zoology**
University of Idaho
Moscow, ID

09/1990 – 05/1994: **Bachelor of Science, Biology**
State University of New York (SUNY) at Geneseo
Geneseo, NY

BIBLIOGRAPHY

Peer Reviewed Publications

1. Calhoon, E.A., Jimenez, A.G., **Harper, J.M.**, Jurkowitz, M.S. and Williams, J.B. *In press*. Linkages between mitochondrial lipids and life-history in temperate and tropical birds. *Physiological and Biochemical Zoology*.
2. Calhoon, E.A., Miller, M.K., Jimenez, A.G., **Harper, J.M.**, and Williams, J.B. 2013. Changes in cultured dermal fibroblasts during early passages across multiple wild bird species. *Canadian Journal of Zoology*, 91: 653-659.
3. Kopp, A., Gillespie, T.R., Hobelsberger, D., Estrada, A., **Harper, J.M.**, Miller, R.A., Eckerle, I., Muller, M.A., Podsiadlowski, L., Leendertz, F.H., Drosten, C., Junglen, S. 2013. Provenance and geographic spread of St. Louis encephalitis virus. *mBio*, 4: e00322 – 13.
4. Jimenez, A.G.*, **Harper, J.M.***, Queenborough, S.A., and Williams, J.B. 2013. Linkages between the life-history evolution of tropical and temperate birds and the resistance of their cells to oxidative and non-oxidative chemical injury. *Journal of Experimental Biology*, 216: 1373 – 1380.

(*denotes equal contribution to this work)

5. Sadighi-Akha, A.A., **Harper, J.M.**, Salmon, A.B., Schroeder, B.A., Rutkowski, D.T. and Miller, R.A. 2011. Heightened induction of pro-apoptotic signals in response to ER stress in primary fibroblasts from a mouse model of longevity. *Journal of Biological Chemistry*, 286: 30344 - 30351.
6. **Harper, J.M.**, Wang, M., Galecki, A.T., Ro, J., Williams, J.B. and Miller, R.A. 2011. Fibroblasts from Long-Lived Bird Species are Resistant to Multiple Forms of Stress. *Journal of Experimental Biology*, 412: 1902 - 1910.
7. Miller, R.A., Williams, J.B., Kiklevich, V.J., Austad, S.N. and **Harper, J.M.** 2011. Comparative Cellular Biogerontology: Primer and Prospectus. *Aging Research Reviews*, 10: 181 – 190; invited review. NIHMS180568
8. **Harper, J.M.** 2010. Introduction: Metabolism, Life History and Aging. *Integrative and Comparative Biology*, 50: 778 – 782.
9. Pacini, J.A., **Harper, J.M.**, Miller, R.A., Bartke, A., Spong, A. and Masternak, M.M. 2010. Early life growth hormone treatment shortens longevity and decreases cellular stress resistance in long-lived mutant mice. *The FASEB Journal*, 24: 5073 – 5079.
10. Williams, J.B., Miller, R.A., **Harper, J.M.**, Wiersma, P. 2010. Functional linkages for the pace of life, life-history, and environment in birds. *Integrative and Comparative Biology*, 50: 869 – 879.
11. **Harper, J.M.**, Wilkinson, E., and Miller, R.A. 2010. Macrophage migration inhibitory factor (MIF) knockout mice are long-lived and respond to caloric restriction. *The FASEB Journal*, 24: 2436-2442.
12. Sun, L., Sadighi-Akha, A.A., Miller, R.A. and **Harper, J.M.** 2009. Life span extension in mice by pre-weaning food restriction and by methionine restriction in middle age. *Journals of Gerontology Biological Sciences and Medical Sciences*, 64A: 711 – 722.
13. **Harper, J.M.** 2008. Wild-derived mouse stocks: An underappreciated tool for aging research. *AGE*, 30: 135 – 145; invited review.
14. Swindell, W.R., **Harper, J.M.**, and Miller, R.A. 2008. How Long Will My Mouse Live? Machine Learning Approaches for Prediction of Mouse Lifespan. *Journals of Gerontology Biological Sciences and Medical Sciences*, 63: 895 – 906.
15. **Harper, J.M.***, Salmon, A.B.*, Leiser, S.L., Galecki, A., and Miller, R.A. 2007. Skin-Derived Fibroblasts from Long-Lived Species are Resistant to Some, but Not All, Lethal Stresses and to the Mitochondrial Inhibitor Rotenone. *Aging Cell*, 6: 1 – 13.
(*denotes equal contribution to this work)
16. **Harper, J.M.**, Leathers, C., and Austad, S.N. 2006. Does caloric restriction extend life span in wild mice? *Aging Cell*, 5: 441 – 449.
17. **Harper, J.M.**, Durkee, S.J., Dysko, R.C., Austad, S.N. and Miller, R.A. 2006. Genetic modulation of hormone levels and life span in hybrids between laboratory and wild-derived mice. *Journals of Gerontology Biological Sciences and Medical Sciences*, 61A: 1019 – 1029.
18. Hanlon, P., Lorenz, A, Zhihong Shao, Z., **Harper, J.M.**, Galecki, A.T., Burke, D.T., and Miller, R.A. 2006. Three-locus and four-locus QTL interactions influence mouse insulin-like growth factor-I. *Physiological Genomics*, 26: 46 – 54.
19. Hulbert, A.J., Faulks, S.C., **Harper, J.M.**, Miller, R.A., Buffenstein, S. 2006. Extended longevity of wild-derived mice is associated with peroxidation-resistant membranes. *Mechanisms of Ageing and Development*, 127: 653 – 657.
20. **Harper, J.M.**, Salmon, A.B., Chang, Y., Bonkowski, M., Bartke, A. and Miller, R.A. 2006. Stress resistance and aging in mice: Influence of genes and nutrition. *Mechanisms of Ageing and Development*, 127: 687 – 694.
21. **Harper, J.M.**, Durkee, S.J., Smith-Wheelock, M., and Miller, R.A. 2005. Hyperglycemia, impaired glucose tolerance and elevated glycated hemoglobin levels in a long-lived mouse stock. *Experimental Gerontology*, 40: 303 – 314.
22. Miller, R.A., Buehner, G., Chang, Y., **Harper, J.M.**, Sigler, R., and Smith-Wheelock, M. S. 2005. Methionine-Deficient Diet Extends Mouse Life Span, Slows Immune and Lens Aging, Alters Glucose, T₄, IGF-I and Insulin Levels, and Increases Hepatocyte MIF Levels and Stress Resistance. *Aging Cell*, 4: 119 – 125.
23. Miller, R.A., Berger, S.B., Burke, D.T., Galecki, A.J., Garcia, G.G., **Harper, J.M.** and Sadighi-Akha, A.A. 2005. T Cells in Aging Mice: Genetic, Developmental and Biochemical Analyses. *Immunological Reviews*, 205: 94 – 103.
24. **Harper, J.M.**, Galecki, A.T. and Miller R.A. 2004. Body Weight, Hormones and T-cell Subsets as Predictors of Lifespan in Genetically Heterogeneous Mice. *Mechanisms of Ageing and Development*, 125: 381-390.
25. **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.
26. Vergara, M., Smith-Wheelock, M., **Harper, J.M.**, Sigler, R., Miller, R.A. 2004. Hormone-Treated Snell Dwarf Mice Gain Weight and Become Fertile But Remain Long-Lived. *Journals of Gerontology Biological Sciences and Medical Sciences*, 59A: 1244-1251.
27. **Harper, J.M.**, Wolf, N., Galecki, A.T., Pinkosky, S.L., and Miller, R.A. 2003. Hormone Levels and Cataract Scores as Sex-Specific, Mid-Life Predictors of Longevity in Genetically Heterogeneous Mice. *Mechanisms of Ageing and Development*, 124: 801-810.
28. **Harper, J.M.**, Galecki, A.T., Burke, D.T., Pinkosky, S.L., and Miller, R.A. 2003. Quantitative trait loci for insulin-like growth factor-I, leptin, thyroxine, and corticosterone in genetically heterogeneous mice. *Physiological Genomics*, 15:44-51.
29. **Harper, J.M.** and Austad, S.N. 2000. Fecal Glucocorticoids: a noninvasive method of measuring adrenal activity in wild and captive rodents. *Physiological and Biochemical Zoology* 73: 12-22.
30. Hayssen, V., **Harper, J.M.**, and DeFina, R. 2002. Fecal corticosteroids in agouti and nonagouti deer mice (*Peromyscus maniculatus*). *Comparative Biochemistry and Physiology, Part A. Molecular and Integrative Physiology* 132: 439-446.
31. Miller, R.A., **Harper, J.M.**, Dysko, R.C., Durkee, S.J., and Austad, S.N. 2002. Longer life spans and delayed maturation in wild-derived mice. *Experimental Biology and Medicine*, 277: 500-508.
32. Miller, R.A., **Harper, J.M.**, Burke, D., and Galecki, A. 2002. Big mice die young: Early-life body weight predicts longevity in genetically heterogeneous mice. *Aging Cell*, 1: 22-29.

33. **Harper, J.M.** and 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.
34. **Harper, J.M.** and S.N. Austad. 2000. Fecal Glucocorticoids: A Noninvasive Method of Measuring Adrenal Activity in Wild and Captive Rodents. *Physiological and Biochemical Zoology* 73: 12-22.
35. Miller, R.A., Dysko, R., Crisp, C., Seguin, R., Linsalata, L., Buehner, G., **Harper, J.M.**, and 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.

Submitted

36. Paigen, B., Marion, M.A., Stearns, T.M., **Harper, J.M.**, Svenson, K.L. The Effect of Culling on Health and Well-Being of Mouse Litters. *Laboratory Animals*

In Preparation

37. Sadighi Akha, A.A., **Harper, J.M.**, Rutkowski, D.T. and Miller, R.A. Organ specific resistance to tunicamycin-induced ER stress *in vivo* in long-lived Snell dwarf mice.

Book Chapters

38. **Harper, J.M.** and Salmon, A.B. 2009. "Stress resistance and aging in long-lived rodent models" In J.V. Bentley & M.A. Keller (eds.) *Handbook on Longevity: Diet, Genetics and Disease*. Nova Science Publishers, Inc.

Electronic Publications

39. **Harper, J.M.** (25 June 2003). B6C3F1 Mouse. *Sci. Aging Knowl. Environ.* 2003.
<http://sageke.sciencemag.org/cgi/content/full/sageke;2003/25/as1>
40. **Harper, J.M.** (4 Feb 2004). B6D2F1 Mouse. *Sci. Aging Knowl. Environ.* 2004.
<http://sageke.sciencemag.org/cgi/content/full/2004/5/as1>
41. **Harper, J.M.** (4 Feb 2004). CB6F1 Mouse. *Sci. Aging Knowl. Environ.* 2004.
<http://sageke.sciencemag.org/cgi/content/full/2004/5/as2>

Abstracts

42. Beason, R.C., **J. Harper**, S. McNulty, N. Dussord, and J. Freas. 1994. Magnetic Effects on Homing Bank Swallows. *Journal of Ornithology* 135S: 88.
43. **Harper, J.M.** and S.N. Austad. 1997. Fecal Corticosterone Levels as an Indicator of Stress in *Peromyscus maniculatus*. *Peromyscus Newsletter* 23: 28.
44. Hayssen, V. and **Harper, J.** 1999. Fecal corticosteroids in deer mice (*Peromyscus maniculatus*): effects of color morph and sex. *Peromyscus Newsletter* 28: 16.
45. **Harper, J.M.**, S.N. Austad, R.C. Dysko, R.A. Miller. 2002. Characterization of long-lived wild-derived house mice (*Mus musculus*). *AGE*, 25: 131-148.
46. **Harper, J.M.**, Durkee, S., and Miller, R. 2005. Impaired glucose tolerance in a long-lived mouse stock. *FASEB J*, 19: A1051.
47. Williams, J., Miller, R.A., and **Harper, J.M.** 2010. APS Intersociety Meeting, Westminster, Colorado, August 4-7. No. 15.4. (<http://www.the-aps.org/meetings/aps/comparative/fullprogram.pdf>).
48. Williams, J.B., Miller, R.A., **Harper, J.M.**, Ro, J., Wang, M. 2011. Fibroblasts from Long-Lived Bird Species are Resistant to Multiple Forms of Stress. Society of Integrative and Comparative Biology 2011 Annual Meeting. No. 39.4. (<http://www.sicb.org/meetings/2011/schedule/abstractdetails.php3?id=871>).
49. Calhoon, E.A., **Harper, J.M.**, Jimenez, A.G., Miller, R.A., Jurkowitz, M.S., Williams, J.B. Lipids of mitochondria in fibroblasts and their nexus to life history in temperate and tropical birds. *Integrative and Comparative Biology* 52 (Suppl 1): E220.
50. Calhoon, E.A., Jimenez, A.G., **Harper, J.M.**, Jurkowitz, M.S., Williams, J.B. The relationship between life history in temperate and tropical bird species and lipids in fibroblast mitochondrial membranes. Society of Integrative and Comparative Biology 2013 Annual Meeting. No. 48.4 (<http://www.sicb.org/meetings/2013/schedule/abstractdetails.php?id=84>).

Other Publications

51. **Book Review.** *The Comparative Biology of Aging*. N.S. Wolf (ed.). *Integrative and Comparative Biology*, in press.

GRANT SUPPORT

Current

1. **Principal Investigator**, "Mitochondrial Membrane Lipids and Aging in Diverse Taxa." SHSU Enhancement Research Grant. Total Amount Awarded, \$15,000. Project Dates: 06/01/2013 – 05/31/2014.

Pending

Past Support

1. **Co-Investigator** (R. Miller, PI). "Consortium to Study the Genetics of Longevity." Total Amount Awarded: \$2,200,247; Total Direct Costs, \$1,422,874. National Institute on Aging (U19AG023122). Project Dates: 07/01/2011 – 06/30/2016.
2. **Co-Investigator** (J.B. Williams, PI). "Functional pace of life in tropical versus temperate birds." Total Amount Awarded: \$552,000. National Science Foundation (IOS-1036914). Project Dates: 8/20/10 – 8/19/11.
3. **Principal Investigator**. "Pharmacological inhibition of the somatotrophic axis in mice: Effect on stress resistance and aging." Total Amount Awarded: \$119,976; Total Direct Costs: \$79,974. Claude Pepper Older Americans Independence Center Core Development Project. Project Dates: 8/1/06 – 12/31/09.
4. **Co-Investigator** (R.A. Miller, PI). "Cellular and Molecular Biology of Aging: Administrative Supplement." Total Amount Awarded: \$148,880. Total Direct Costs: \$100,000. National Institute on Aging (AG013283-14S1). Project Dates: 09/15/08 – 06/30/09.
5. **Principal Investigator**. "Multiorgan stress resistance in Snell dwarf mice." Total Amount Awarded: \$60,800. Total Direct Costs: \$40,000. University of Michigan Nathan Shock Center Pilot Grant. Project Dates: 7/1/08 – 6/30/09.
6. **Principal Investigator**. "Modulation of stress resistance and aging in mice." Total Amount Awarded: \$59,667. American Federation for Aging Research. Project Dates: 7/1/06 – 6/30/08.
7. **Principal Investigator**. National Institute on Aging (NIA)-sponsored University of Michigan Older Americans Independence Center (UM OAIC) Research Career Development Core (RCDC) Salary Support Award. Total Amount Awarded: \$48,256; Total Direct Costs: \$31,748. Project Dates: 9/1/06 – 8/31/08.

TEACHING

08/2012 – present: Contemporary Biology, General Physiology, Pathophysiology; Sam Houston State University.
09/2011 – 12/2011: **Ethics 503**, Program in Biomedical Sciences; University of Michigan
09/1994 – 05/2000: **Graduate Teaching Assistant**, Department of Biological Sciences; University of Idaho.
Courses: Non-majors Introductory Biology (Head TA); General Biology (Guest Lecturer, Head TA); General Zoology (Guest Lecturer); Natural History of Mammals (Guest Lecturer)
09/1993 – 05/1994: **Undergraduate Teaching Assistant**, Department of Biology, SUNY Geneseo.
Course: Contemporary Biology

MENTORING AND ADVISING

Graduate Students: **Michael Ryan Watts** (2013 -)

Undergraduate Students: **Matt Borum** (2013 -); **Samantha Alper** (2013 -); **Alexendra Bracci** (UM UROP - 2012); **Kelsey Lemmen** (UM UROP - 2012); **Brandon Rosen** (UM UROP - 2010); **Alexis Xu** (UM UROP – 2003); **Cameron Dingwall** (UM UROP – 2002)

Graduate Committee Member: **Kendall Stelwagen** (Summer 2013 – Fall 2013)

SCIENTIFIC ACTIVITIES

2013 – present: **Specialty Editor**, WebMedCentral
2011 – present: **Member**, WebMedCentral Aging Faculty
2007 – 2012: **Editorial Advisory Board Member**, *Open Geriatric Medicine Journal*
2012: **Mock Study Section Panelist**, University of Michigan Pepper Center Annual Retreat, May 29th – 30th.
2010 – 2011: **Guest Editor**, *Journal of Aging Research* special issue on Hormones and Longevity
2009 – 2011: **Member**, Gerontological Society of America Section of Biological Sciences Fellowship Committee
2008 – 2010: **Symposium Organizer**, Division of Comparative Physiology and Biochemistry - "Metabolism, Life History and Aging", 2010 Society for Integrative and Comparative Biology Annual Meeting, Seattle WA.
2008: **Invited Participant**, UTHSCSA Comparative Biology of Aging Workshop, March 6th – 8th.
Participant, National Institutes on Aging, "Workshop on Factors in Youth that Protect Against the Aging Process", May 22nd – May 24th.
2006: **Junior Faculty Participant**, University of Michigan Pepper Center Annual Retreat, May 31st – June 1st.
06/2001 – 12/2004: **Scientific Advisory Board Assistant**, The American Association for the Advancement of Science – Science of Aging Knowledge Environment (<http://sageke.sciencemag.org>).

Ad hoc Reviewer: **Granting Agencies**
National Science Foundation (DEB, IOS)
Deutsche Forschungsgemeinschaft (German Research Foundation)

Journals

FASEB Journal, American Journal of Physiology – Regul Integr Comp Physiol, Aging Cell, Journal of Gerontology: Biological Sciences, Neurobiology of Aging, Aging Research Reviews, Rejuvenation Research, Clinical Interventions in Aging, Experimental Gerontology, Journal of the American Aging Association (AGE), ILAR Journal, Biology Letters, Comparative Medicine, FEBS Letters, General and Comparative Endocrinology, Journal of the American Association of Laboratory Animal Science, Ecology, Physiological and Biochemical Zoology, Journal of Mammalogy, Australian Journal of Zoology, Canadian Journal of Zoology, Oecologia

SERVICE ACTIVITIES

- 2013: **Student Poster Judge**, American Aging Association 2013 Annual Meeting, May 30 – June 1.
2010: **Student Presentation Judge**, Division of Comparative Physiology and Biochemistry, SICB 2010 Annual Meeting, January 3–7.
2007: **Faculty Mentor**, University Mentorship Program, University of Michigan Office of New Student Programs.
1999: **Graduate representative**, 5th Year Tenure Review Committee (R. Frank Rosenzweig), Department of Biological Sciences, University of Idaho.
1999: **Graduate representative**, 3rd Year Tenure Review Committee (John Sullivan), Department of Biological Sciences, University of Idaho.
1994: **Undergraduate representative**, External Departmental Review Committee, Department of Biological Sciences, SUNY Geneseo.
1993 – 1994: **Tutor**, Biology and Chemistry, SUNY Geneseo Equal Opportunity Program.

HONORS & AWARDS

- 2009: **Symposium Support Grant (\$10,342**, with A. Bronikowski), National Science Foundation (ISO-0935941) for “*Metabolism, Life History and Aging*” symposium at the SICB 2010 Annual Meeting.
2009: **Symposium Support Grant (\$6,072)**, The Ellison Medical Foundation (AG-CW-0299-09) for “*Metabolism, Life History and Aging*” symposium at the SICB 2010 Annual Meeting.
2009: **Symposium Support Award (\$500)**, Division of Evolution and Ecology, Society for Integrative and Comparative Biology, 2010 Annual Meeting.
2009: **Featured** in *25 Ideas for Life Extension*, the Science for Life Extension Foundation.
2008: **Symposium Support Award (\$1,500)**, Division of Comparative Physiology and Biochemistry, Society for Integrative and Comparative Biology, 2010 Annual Meeting.
2008: **Symposium Support Grant (\$2,500)**, American Federation for Aging Research/Glenn Foundation for Medical Research for “*Metabolism, Life History and Aging*” symposium at the SICB 2010 Annual Meeting.
2004: **Recipient**, American Aging Association Travel Award, 33rd Annual Meeting of the American Aging Association.
2003: **Postdoctoral Fellowship**, National Institute on Aging Multidisciplinary Research Training in Aging Grant (T32AG000114-15).
2002: **Recipient**, Buck Institute Scholarship, Workshop and Symposium on “*Neuroendocrine Systems and Lifespan Determination*”.
2001: **Postdoctoral Fellowship**, National Institute on Aging Multidisciplinary Research Training in Aging Grant (T32AG000114-15).
2000: **Postdoctoral Fellowship**, National Institute on Aging Multidisciplinary Research Training in Aging Grant (T32AG000114-15).
2000: **Recipient**, Claude Pepper Older Americans Independence Center, Core Facility for Aged Rodents research award, *Hormone profiles for B6D2F1 mice*.
2000: **Recipient**, Travel Award, “*Symposium on Organisms with Slow Aging*”, The Andrus Gerontology Center, University of Southern California.
2000: **Course Participant**, *The Ellison Medical Foundation’s Molecular Biology of Aging Summer Course*.
1994: **Recipient**, Outstanding Undergraduate Poster Presentation, SUNY Geneseo Undergraduate Research Seminar.
1994: **Nominee**, Mark J. Diamond Award for Outstanding Undergraduate Research, Department of Biology, SUNY Geneseo.
1994: **Recipient**, Geneseo Foundation Undergraduate Research Grant.
1990: **Recipient**, New York State Regents Scholarship.

INVITED PRESENTATIONS

- 2012: Department of Biology, University of Florida, Gainesville, FL, USA. March 27th.
2012: Department of Biology, Sam Houston State University, Huntsville, TX, USA. March 20th.
2012: School of Biological Sciences, Louisiana Tech University, Ruston, LA, USA. March 12th.
2012: Department of Biological Sciences, Central Michigan University, Mt. Pleasant, MI, USA. February 9th.

2011: Nathan Shock Center Conference on Aging, University of Texas Health Science Center, San Antonio, TX, USA. October 14th.
 2011: Department of Biological Sciences, Wayne State University, Detroit, MI, USA. February 5th.
 2010: Department of Zoology and Physiology, University of Wyoming, Laramie, WY. November 18th.
 2010: Department of Biology, State University of New York at Fredonia, Fredonia, NY. November 4th.
 2010: The Jackson Laboratory, Bar Harbor, ME, USA. September 10th.
 2010: Department of Physiology, Wayne State University School of Medicine, Detroit, MI, USA. April 20th.
 2009: Biogerontology Seminar Series, Division of Geriatric Medicine, University of Michigan, Ann Arbor, MI, USA. December 8th.
 2009: Department of Biological Sciences, Western Michigan University, Kalamazoo, MI, USA. January 20th.
 2009: Department of Biological Sciences, City College of New York, New York, NY, USA. April 20th.
 2008: Department of Evolution, Ecology and Organismal Biology, Ohio State University, Columbus, OH, USA. October 28th.
 2008: Geriatrics Center, University of Michigan School of Medicine, Ann Arbor, MI, USA. April 18th.
 2008: Department of Biology, Shippensburg State University, Shippensburg, PA, USA. February 29th.
 2008: Section of Molecular Medicine, Wake Forest University School of Medicine, Winston-Salem, NC, USA. January, 23rd.
 2007: Department of Biological Sciences, Boise State University, Boise, ID, USA. February 9th.
 2007: Department of Biological Sciences, Duquesne University, Pittsburgh, PA, USA. February 16th.
 2007: Division of Geriatric Medicine, University of Michigan School of Medicine, Ann Arbor, MI, USA. March 22nd.
 2007: Department of Biology, Texas Christian University, Fort Worth, TX, USA. November 5th.
 2004: Harlan Continuing Education Conference, *Rodents and The Science of Aging*, Madison, WI, USA. July 26th – 28th.
 2004: Department of Pathology, University of Michigan, Ann Arbor, MI, USA. March 1st.
 2004: University of Michigan Annual Immunology Retreat, Ann Arbor, MI, May 10th.
 2003: Department of Biology, University of Evansville, Evansville, IN, USA. February 19th.
 2002: American Aging Association Annual Meeting, June 8th.
 2002: Department of Biology, State University of New York at Geneseo, Geneseo, NY, USA. April 5th.
 2001: Unit for Laboratory Animal Medicine, University of Michigan, Ann Arbor, MI. October 8th.
 2000: Department of Biological Sciences, University of Idaho, Moscow, ID. April 28th.
 1999: Department of Physiology, University of Texas Health Science Center, San Antonio, TX, USA. October 22nd.
 1995: Deaconess Research Institute, Billings, MT, USA. August 15th.

OTHER PRESENTATIONS

2012: **Poster**, E.A. Calhoon, **J.M. Harper**, A.G. Jimenez, R.A. Mill, M.S. Jurkowitz, J.B. Williams, Society for Integrative and Comparative Biology 2012 Annual Meeting, January 3 – 7.
 2011: **Poster**, **J.M. Harper**, J.B. Williams, R.A. Miller. 40th Annual Meeting of the American Aging Association, June 3 – 6.
 2011: **Poster**, **J.M. Harper**, J.B. Williams, R.A. Miller. Nathan Shock Center Annual Symposium, University of Michigan, April 27.
 2009: **Poster**, **J.M. Harper** and R.A. Miller. University of Michigan Geriatrics Center Aging Symposium, April 8.
 2009: **Poster**, **J.M. Harper**, J.B. Williams and R.A. Miller. University of Michigan Geriatrics Center Aging Symposium, April 8.
 2009: **Poster**, **J.M. Harper** and R.A. Miller. 38th Annual Meeting of the American Aging Association, May 29 – June 1.
 2009: **Poster**, **J.M. Harper**, K.T. Koelzer, J. Ro, J.B. Williams, R.A. Miller. 38th Annual Meeting of the American Aging Association Annual Meeting, May 29 -June 1.
 2008: **Poster**, A.B. Salmon, **J.M. Harper**, S.F. Leiser, R. Buffenstein, A.J. Galecki, and R.A. Miller. 2008 San Antonio Comparative Biology of Aging Workshop, March 6-8.
 2008: **Poster**, **J.M. Harper**, B. Rosen, and R.A. Miller. Pepper Older Americans Independence Center Annual Meeting, April 14-15.
 2007: **Poster**, A.B. Salmon, **J.M. Harper**, S.F. Leiser, R. Buffenstein, A.J. Galecki, and R.A. Miller. Nathan Shock Center Annual Symposium, University of Michigan, April 4.
 2007: **Poster**, **J.M. Harper**, M.C. Burns, A.B. Salmon and R.A. Miller. Nathan Shock Center Annual Symposium, University of Michigan, April 4.
 2007: **Poster**, **J.M. Harper**, M.C. Burns, A.B. Salmon and R.A. Miller. The American Federation for Aging Research Grantee Conference, October 1-2.
 2007: **Poster**, W.R. Swindell, **J.M. Harper**, and R.A. Miller. University of Michigan Pathology Research Symposium, Ann Arbor, MI, USA. November 9.
 2006: **Poster**, **J.M. Harper**, A.B. Salmon, Y. Chang, M. Bonkowski, A. Bartke, and R.A. Miller. Nathan Shock Center Annual Symposium, University of Michigan, April 6.
 2006: **Poster**, M.M. Masternak, **J.M. Harper**, A.B. Salmon, F. Wang, J.A. Panici, R.A. Miller and A. Bartke. San Antonio Nathan Shock Center Conference on Aging, October 12-15.
 2006: **Poster**, A.B. Salmon, **J.M. Harper**, S.F. Leiser, R. Buffenstein, A.J. Galecki, and R.A. Miller. University of Michigan Pathology Research Symposium, November 10.
 2005: **Poster**, **J.M. Harper**, S.J. Durkee, and R.A. Miller. Experimental Biology, April 1–6.
 2004: **Poster**, **J.M. Harper**, D.T. Burke, A.T. Galecki, R.A. Miller. University of Michigan Institute of Gerontology & Wayne State University Institute of Gerontology Annual Symposium, Ann Arbor, April 7.

- 2004: **Poster, J.M. Harper**, S.N. Austad, R.A. Miller, R.C. Dysko. American Aging Association Annual Meeting, June 4–7.
- 2004: **Poster, J.M. Harper**, S.J. Durkee, and R.A. Miller. University of Michigan Medical School Annual Pathology Research Symposium, November 5th.
- 2002: **Poster, J.M. Harper**, S.D. Surkee, R.A. Miller. University of Michigan Institute of Gerontology & Wayne State University Institute of Gerontology Annual Symposium, April 11.
- 2001: **Poster, J.M. Harper**, R.A. Miller. The University of Michigan Institute of Gerontology Annual Trainee Poster Session, April 10th.
- 2000: **Poster, V. Hayssen, J.M. Harper**, R. DeFina. Annual Meeting of the American Society of Mammalogists, June 17–21.
- 1999: **Poster, J.M. Harper**, S.N. Austad. Annual Meeting of the American Society of Mammalogists, June 20–24.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Phi Sigma Society
American Physiological Society
Society for Integrative and Comparative Biology
Gerontological Society of America
American Aging Association

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