

## CURRICULUM VITAE

### **Matt R. Kaeberlein**

#### **Work Address**

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#### **Biographical Data**

Birthplace:	Erie, Pennsylvania	Citizenship:	U.S.A.
Birthdate:	February 15, 1971	Marital status:	Married

#### **Education/Training**

Ph.D. in Biology, Massachusetts Institute of Technology  
Cambridge, Massachusetts, February 2002  
Doctoral Dissertation: Genetic Analysis of Longevity in *Saccharomyces cerevisiae*

B.S. in Biochemistry, Western Washington University, Bellingham, WA, June 1997  
Undergraduate Thesis: A comparison of the thermostability of glyceraldehyde 3-phosphate dehydrogenase from thermophiles and mesophiles in different ionic salt solutions.

B.A. in Mathematics, Western Washington University, Bellingham, WA, June 1997

#### **Research Positions**

2015 -	Professor, Department of Pathology, University of Washington, Seattle, Washington (July 2015)
2011 - 2015	Associate Professor, Department of Pathology, University of Washington, Seattle, Washington (July 2011)
2006 – 2011	Assistant Professor. Department of Pathology, University of Washington, Seattle, Washington
2003 – 2006	Postdoctoral Fellow, Department of Genome Sciences, University of Washington, Seattle, Washington (Dr. Stan Fields)

2002-2003 Vice President of Research, Longevity, Inc., Waltham, Massachusetts

## Other Experience

2020- Director, Biological Mechanisms of Healthy Aging Training Program

2019- Scientific Advisory Board, Yuva Biosciences

2018- Biological Sciences Chair, Gerontological Society of America

2018- Board of Directors, Gerotech, Inc.

2018-2019 Scientific Advisory Board, resTORbio

2017- Scientific Advisory Board, Buck Institute for Research on Aging

2017-2018 Biological Sciences Chair Elect, Gerontological Society of America

2017- Vice-Chair, American Aging Association

2017- Biological Sciences Leadership Committee, Gerontological Society of America

2017- The University of Texas Health, San Antonio Nathan Shock Center External Scientific Advisory Board

2017-2020 Board of Directors, Fido-Gen, Inc.

2016-2019 Board of Directors, Federation of American Societies for Experimental Biology (FASEB)

2016- Adjunct Professor of Oral Health Sciences, University of Washington

2015-2016 President, American Aging Association

2015- Adjunct Professor of Genome Sciences, University of Washington

2014 Director, Molecular Biology of Aging summer course at Woods Hole

2014-2015 President Elect, American Aging Association

2014-2015 Adjunct Associate Professor of Genome Sciences, University of Washington

2013 Director, Molecular Biology of Aging summer course at Woods Hole

2012- Member, American Aging Association Board of Directors

2012- The Jackson Laboratory Aging Center External Advisory Board

2011- Director, Healthy Aging and Longevity Research Institute, University of Washington

2011- NIA Interventions Testing Program Steering Committee

2011- Faculty of 1000

2010- Co-Director, University of Washington Nathan Shock Center of Excellence in the Basic Biology of Aging

2010-2014 Director, SAGEWEB

2009-2013 Distinguished Visiting Professor, Institute for Aging Research, Guangdong Medical College, Dongguan, China

2002-2005 Developer and curator of the Aging Genes and Interventions Database, Science Magazine's Science of Aging Knowledge Environment

## Honors

1997	Chang Biochemistry Award, Western Washington University, Bellingham, WA
1997	Outstanding Graduate, Western Washington University, Bellingham, WA
2003	Postdoctoral Fellowship, Genetic Approaches to Aging Training Grant
2006	American Federation for Aging Research Junior Faculty Research Award
2007	Council for the Advancement of Science Writing, New Horizon's in Science Briefing, Invited Speaker
2007	National Academies Keck Future's Initiative: the Future of Human Healthspan, Invited Participant
2007	Breakthroughs in Gerontology Award, American Federation for Aging Research and the Glenn Foundation
2008	Alzheimer's Association New Investigator Award
2008	New Scholar in Aging Award, The Ellison Medical Foundation
2009	University of Washington Undergraduate Research Mentor Award
2009	University of Washington Young Investigator Science in Medicine Lecture
2009	Appointed Distinguished Visiting Professor, Institute for Aging Research, Guangdong Medical College, Dongguan, China
2010	Appointed co-director of the University of Washington Nathan Shock Center of Excellence in the Basic Biology of Aging
2011	American Federation for Aging Research Vincent Cristofalo Rising Star in Aging Research Award
2011	Fellow, Gerontological Society of America Fellow
2012	Elected to the American Aging Association Board of Directors
2013	Selected to serve on <i>Science</i> magazine's Board of Reviewing Editors
2013	M.J. Murdock Charitable Trust Award
2015	Nelson Fausto Distinguished Mentor Award
2015	Glenn Award, Paul Glenn Foundation
2016	Fellow, American Aging Association
2017	Fellow, American Association for the Advancement of Science
2018	Next Generation Medicine Lecture
2019	Parkin Award, Aging Mind and Brain Initiative, Iowa Neuroscience Institute
2019	Frontiers in Aging and Alzheimer's Disease Pioneer Award
2019	Nathan W. Shock Award, National Institute on Aging
2020	Robert W. Kleemeier Award, Gerontological Society of America

## Professional Societies

American Aging Association  
Gerontological Society of America  
American Association for the Advancement of Science

## **Invited Seminars and Lectures**

February 2003, The Buck Institute for Age Research, Novato, California  
February 2003, Department of Biology, Northeastern University, Boston, Massachusetts  
March 2003, MIT Entrepreneurship Forum, Massachusetts Institute of Technology,  
Cambridge, Massachusetts  
January 2005, Fred Hutchinson Cancer Research Center, Seattle, Washington  
February 2005, Glaxo Smith Kline, Durham, North Carolina  
March 2005, Department of Genome Sciences, University of Washington, Seattle,  
Washington  
May 2005, Institute of Gerontology, University of Michigan, Ann Arbor, Michigan  
September 2005, Department of Pathology, University of Michigan, Ann Arbor,  
Michigan  
November 2005, Department of Pathology, University of Washington, Seattle,  
Washington  
April 2006, Department of Pathology, Nathan Shock Center Symposium, University of  
Washington, Seattle, Washington  
June 2006, American Aging Association Annual Meeting, Oakland, California  
November 2005, Department of Pathology, University of Washington  
April 2006, Department of Pathology, Nathan Shock Center Symposium, University of  
Washington, Seattle, Washington  
April 2007, Molecular Basis of Aging Meeting, Titisee, Germany  
May 2007, Department of Cellular and Molecular Biology-Microbiology, Gothenburg  
University, Gothenburg, Sweden  
August 2007, Ellison Biology of Aging Course, Marine Biological Laboratories, Woods  
Hole, Massachusetts  
October 2007, Integrative Life Sciences Program, Virginia Commonwealth University,  
Richmond, Virginia  
October 2007, Council for the Advancement of Science Writing, New Horizons in  
Science Briefing, Spokane, Washington  
October 2007, Barshop Institute, University of Texas Health Science Center San Antonio,  
San Antonio, Texas  
November 2007, Nutrient Signaling and Aging Meeting, Buck Institute for Age  
Research, Novato, California  
November 2007, Gerontological Society of America Annual Meeting, Chair Session on  
TOR and Aging, San Francisco, California  
May 2008, American Aging Association Annual Meeting, Boulder, Colorado  
June 2008, Longevity Consortium Annual Meeting, Boulder, Colorado  
June 2008, NIA Summer Training Course, Seattle, Washington  
August 2008, Buck Institute for Age Research, Novato, California  
September 2008, 44<sup>th</sup> Annual Meeting of the European Association for the Study of  
Diabetes, Rome, Italy

October 2008, 2008 San Antonio Nathan Shock Center Conference on Aging. Bandera, Texas

December 2008, Cardiovascular Breakfast Club, University of Washington

January 2009, Clinical Nutrition Research Unit, University of Washington

April 2009, Association of Health Care Journalists Annual Meeting, Seattle, Washington

April 2009, The Jackson Laboratory, Bar Harbor, Maine

May 2009, NIA New Investigators Forum, Bethesda, Maryland

May 2009, University of Michigan Nathan Shock Center 2009 Workshop, Ann Arbor, Michigan, Keynote Speaker

May 2009, University of Michigan Pepper Center Retreat, Ann Arbor, Michigan, Keynote Speaker

May 2009, The American Aging Association Annual Meeting, Premeeting symposium on protein quality control and aging. Scottsdale, Arizona.

June 2009. Département de biochimie, Université de Montréal, Montréal, Canada.

August 2009, Ellison Biology of Aging Course, Marine Biological Laboratories, Woods Hole, Massachusetts

September 2009, 8th International Conference on Ribosome Synthesis, Regensburg, Germany

September 2009, Tufts University Jean Mayer USAD Human Nutrition Research Center, Boston, Massachusetts

September 2009, Aging and Healthy Lifespan Conference, Boston, Massachusetts

October 2009, University of Washington Science in Medicine Lecture, Seattle, Washington

October 2009, Sino-American Conference on Aging Research, Guangdong Medical College, Dongguan, China

October 2009, Korea research institute of Biotechnology and Bioscience, Daejeon, South Korea

October 2009, Seoul National University, Seoul, South Korea

November 2009, Gerontological Society of America Annual Meeting, Atlanta, Georgia

February 2010, Southern Alberta Cancer Research Institute, University of Calgary, Calgary, Alberta, Canada

April 2010, Mosbacher Colloquium on the Biology of Aging, Mosbach, Germany

April 2010, Department of Physiology, University of Texas Health Science Center San Antonio, San Antonio, Texas

May 2010, University of Michigan Nathan Shock Center 2010 Workshop, Ann Arbor, Michigan

May 2010, Chinese Academy of Sciences, Symposium on Chromatin and Aging, Shanghai, China

May 2010, Guangdong Medical College, Zhanjiang, China

May 2010, Seoul National University, "The Cutting Edge in Aging Research" Seoul, South Korea

July 2010, Systems Biology of Aging and Cancer, Beijing, China

August 2010, Cold Spring Harbor Laboratories Yeast Genetics and Genomics Course, Cold Spring Harbor, New York

August 2010, Ellison Biology of Aging Course, Marine Biological Laboratories, Woods Hole, Massachusetts

September 2010, The Jackson Laboratory, Bar Harbor, Maine

October 2010, 2010 San Antonio Nathan Shock Center Conference on TOR Signaling and Aging. Bandera, Texas

November 2010, American Society for Nephrology Annual Meeting, Denver, Colorado

November 2010, Gerontological Society of America Annual Meeting, New Orleans, Louisiana

January 2011, Hong Kong University, Fundamental Biology of Aging and Aging Disorders, Hong Kong, China

January 2011, Max-Planck-Institute for Biology of Ageing, Cologne, Germany

March 2011, Center for Biomedical Genomics / Cancer Research Center Conference on the Molecular Basis and Modification of the Aging Process, Amsterdam, Netherlands

March 2011, Cologne Spring Meeting, Cologne, Germany

April 2011, National Institute on Aging Comparative Physiology Workshop

April 2011, 1st Tri-Nations' Aging Symposium, Dongguan, China

May 2011, Fundacion Ramon Areces International Symposium "Yeast as models and tools", Madrid, Spain

June 2011, The American Aging Association Annual Meeting Rising Star in Aging Research Lecture, Raleigh, North Carolina

June 2011, National Institute on Aging Summer Training Course, Seattle, Washington

June 2011, Summit on Systems Biology: Molecular Networks and Disease, Richmond, Virginia

June 2011, Albert Einstein College of Medicine, New York, New York

August 2011, Ellison Biology of Aging Course, Marine Biological Laboratories, Woods Hole, Massachusetts

August 2011, Van Andel Institute, Grand Rapids Michigan

September 2011, Michigan State University Biochemistry Department, East Lansing, Michigan

October 2011, Symposium on Genetics and Life History, POSTECH, Pohang, South Korea

October 2011, CAS International Symposium of Developmental Systems Biology on Gene Regulation and Aging, Shanghai, China

November 2011, Genome Sciences Seminar Series, University of Washington, Seattle, Washington

March 2012, Barshop Institute, University of Texas Health Science Center San Antonio, San Antonio Texas

April 2012, University of Michigan Nathan Shock Center 2012 Workshop, Ann Arbor, Michigan

April 2012, Washington State University School of Molecular Biosciences, Pullman, Washington

May 2012, Aging Research Institute, Guangdong Medical College, Dongguan, China

May 2012, Northwest Biology Instructor's Organization Annual Meeting, Everett, Washington (Keynote Speaker)

May 2012, Biology Department Seminar Series, Western Washington University, Bellingham, Washington

July 2012, C. elegans Aging, Metabolism, Pathogenesis, Stress, and Small RNAs Meeting, Madison, Wisconsin

July 2012, Aging Research Institute, Guangdong Medical College, Dongguan, China

August 2012, Ellison Biology of Aging Course, Marine Biological Laboratories, Woods

Hole, Massachusetts  
 August 2012, Ellison Medical Foundation Colloquium  
 September 2012, 22nd IUBMB & 37th FEBS Congress, Seville, Spain  
 October 2012, Vincent Christofalo Lecture, University of Pennsylvania, Philadelphia, PA  
 October 2012, 2nd Regional Translational Research in Mitochondria, Aging, and  
 Disease Symposia, Pittsburgh, PA  
 January 2013, Aging Research Institute, Guangdong Medical College, Dongguan, China  
 February 2013, Alzheimer's Disease Training Program, University of Washington,  
 Seattle, WA  
 March 2013, Samsung Advanced Institute of Technology, Well-Aging Research Center,  
 Seoul, South Korea  
 March 2013, Glenn Laboratories for the Biology of Aging at Stanford Frontiers in Aging  
 Seminar Series, Stanford University, Palo Alto, CA  
 April 2013, Functional Proteomics of Aging Spring Symposium, University of  
 Minnesota, Minneapolis, MN  
 May 2013, Art Institute of Seattle, Seattle, WA  
 May 2013, Sino-German Symposium on Molecular Systems Approaches to Aging  
 June 2013, International Association of Gerontology and Geriatrics Annual Meeting,  
 Presidential Symposium, Chair, Seoul, South Korea  
 August 2013, Ellison Biology of Aging Course, Marine Biological Laboratories, Woods  
 Hole, Massachusetts  
 October 2013, Ernst Klenk Symposium in Molecular Medicine, Cologne, Germany  
 October 2013, American Federation for Aging Research Awards Ceremony, Discussion  
 Panel  
 January 2014, Huffington Center on Aging, Baylor College of Medicine, Houston, TX  
 February 2014, The Buck Institute for Research on Aging, Novato, CA  
 April 2014, Canine Longevity Consortium Annual Meeting, Seattle, WA  
 April 2014, 3rd International Conference on Genetics of Aging and Longevity, Sochi,  
 Russia  
 May 2014, Samsung Well Aging Research Center, Suwon, South Korea  
 May 2014, International Symposium on Genetics of Aging and Life History, Daegu,  
 South Korea  
 May 2014, Korea Research Institute of Biotechnology and Bioscience (KRIBB),  
 Daejeon, South Korea  
 June 2014, Shock Society Annual Meeting, Charlotte, NC  
 June 2014, NIA Summer Training Course, Seattle, WA  
 August 2014, Ellison Biology of Aging Course, Marine Biological Laboratories, Woods  
 Hole, Massachusetts  
 September 2014, Oklahoma Medical Research Foundation, Oklahoma City, OK  
 October, 2014, Symposium on Healthy Aging in People and Their Pets (Organizer),  
 Seattle, WA  
 November 2014, Yale University Department of Genetics, New Haven, CT  
 Jan 2015, Oatmeal Breakfast Club, Bainbridge Island, WA  
 March 2015, University of Alabama Birmingham, Genetics and Genomics Seminar  
 Series, Birmingham, AL  
 March 2015, University of Washington, UW Libraries InForum, Seattle, WA  
 April 2015, National Institute on Aging, Systems Biology of Aging Meeting, Bethesda,  
 MD

April 2015, Mitochondrial Physiology Society MiP School, London, UK  
 April 2015, University College London Healthy Ageing Institute, London, UK  
 May 2015, Temple University, Fels Institute for Cancer Research Seminar Series, Philadelphia, PA  
 May 2015, Personalized Medicine 8.0 (Keynote), San Francisco, CA  
 May 2015, American Aging Association Annual Meeting, San Francisco, CA  
 June 2015, UW School of Medicine Reunion Weekend, Seattle, WA  
 June 2015, Seattle Science Foundation Spine Conference, Seattle, WA  
 July 2015, Gordon Research Seminars, Newry, ME  
 July 2015, Gordon Research Conference, Biology of Aging, Newry ME  
 August 2015, Symposium on Biology and Technology, Seattle, WA  
 August 2015, Mitochondria and Cancer, Banbury, Cold Spring Harbor, NY  
 September 2015, Cold Spring Harbor Asia Conference on Molecular Basis of Aging and Disease, Suzhou, China  
 September 2015, International Meeting on Yeast Apoptosis 11, Porto, Portugal  
 October 2015, 6<sup>th</sup> Annual Alliance for Healthy Aging Conference, Newcastle, UK  
 November 2015, Osher Lifelong Learning Institute Seminar, Seattle, WA  
 November 2015, University of Washington Alzheimer's Disease Research Center Symposium, Seattle, WA  
 February 2016, Calico, San Francisco, CA  
 February 2016, Bernese Mountain Dog Club of Greater Seattle, Seattle, WA  
 February 2016, Huffington Center on Aging, Baylor College of Medicine, Houston, TX  
 March 2016, Northwest Association for Biomedical Research Conference, Bellevue, WA  
 April 2016, UW Office of Sponsored Programs Seminar Series, Seattle WA  
 April 2016, UW Oral Biology Seminar Series, Seattle, WA  
 April 2016, Biomedical Innovation for Healthy Longevity International Conference, St Petersburg, Russia  
 June 2016, Nathan Shock Center Summit, Seattle, WA  
 June 2016, The Next Wave of Innovation Symposium, Seattle, WA  
 June 2016, United Mitochondrial Disease Foundation Annual Meeting, Seattle, WA  
 July 2016, Aging and Metabolism Cell Symposia, Sitges, Spain  
 September 2016, Osher Lifelong Learning Institute Seminar, Redmond, WA  
 September 2016, SIBCR Research Seminar Series, Seattle, WA  
 September 2016, American Chemical Society Webinar, "The Chemistry of Longevity: Rapamycin's Secret Past and Potential for a Longer Life", <https://www.acs.org/content/acs/en/acs-webinars/popular-chemistry/longevity.html>  
 October 2016, International Conference on Aging and Disease, Stanford, CA  
 October 2016, Yeasts as versatile testbeds for the life sciences, Madrid, Spain  
 October 2016, IBS Conference on Genetics of Aging and Life History, DGIST, Daegu, South Korea  
 November 2016, A Phylogenetic View of Interventions on Aging, Gerontological Society of America Pre-meeting Symposium, New Orleans, LA  
 November 2016, Gerontological Society of America Annual Meeting, New Orleans, LA  
 December 2016, Nutrition, Metabolism and Healthy Aging, The Orentreich Foundation, New York Academy of Sciences, New York, NY  
 December 2016, The Business of Longevity, The Economist, San Francisco, CA  
 January 2017, Toward Precision Medicine, Seattle, WA



January 2017, Mitochondria Communication Keystone Symposium, Taos, NM  
 February 2017, University of Virginia Cell Biology Seminar, Charlottesville, VA  
 March 2017, 2nd Interventions in Aging: Understanding Mechanisms  
 Compressing Morbidity in Aging Humans Conference, Cancun, MX  
 March 2017, Texas A&M Veterinary School, College Station, TX  
 March 2017, SXSW Panel: Reimagining Old Age: The Frontier of Aging Biology,  
 Austin, TX  
 March 2017, University of Toronto, Laboratory Medicine and Pathology Seminar Series,  
 Toronto, ON, Canada  
 March 2017, American Society on Aging Annual Meeting, Aging in America, Chicago,  
 IL  
 March 2017, Albert Einstein Medical College Diabetes Center Seminar Series, Bronx,  
 NY  
 March 2017, MIT Faculty Forum Online, “The End of Alzheimer’s”,  
<https://www.youtube.com/watch?v=ox1Y3Fhrwi0>  
 April 2017, Midwest *C. elegans* Meeting, Keynote Lecture, Grand Rapids, MI  
 April 2017, American Society for Biochemistry and Molecular Biology Annual Meeting,  
 Chicago, IL  
 April 2017, Barshop Institute Seminar Series, University of Texas Health Science Center  
 San Antonio, San Antonio, TX  
 May 2017, Hammamatsu University Seminar Series, Hammamatsu University,  
 Hamamatsu, Japan  
 May 2017, Keystone Symposium on Aging and Mechanisms of Age-Related Disease,  
 Yokohama, Japan  
 June 2017, Nathan Shock Symposium, American Aging Association Annual Meeting,  
 Brooklyn, NY  
 June 2017, NIA Summer Training Course, Seattle, WA  
 July 2017, University of Washington Genome Sciences Public Lecture Series  
 “Wednesdays at the Genome”, Seattle, WA  
 July 2017, International Association of Gerontology and Geriatrics Conference, San  
 Francisco, CA  
 October 2017, University of Alaska Fairbanks One Health Lecture Series, Fairbanks, AK  
 October 2017, German Missions in the United States, Symposium: Aging Society – How  
 to get old tomorrow, New York, NY  
 October 2017, Orentreich Foundation Symposium on Healthy Aging, Mohonk, NY  
 October 2017, Mary Scott Lecture, Colorado State University, Fort Collins, CO  
 October 2017, Front Range Consortium on Aging Research Symposium: Accelerating  
 Translations of Aging Treatments, Fort Collins, CO  
 November 2017, Open Mic Science, Bainbridge Island, WA  
 November 2017, American College of Veterinary Pathologists Annual Meeting,  
 Vancouver, B.C., Canada  
 November 2017, Biology of Ageing II: Impactful Interventions, Singapore  
 January 2018, Building Research across Inter-Disciplinary Gaps Didactic Lecture,  
 Seattle, WA  
 March 2018, Kings High School Honors Biology, Shoreline, WA  
 March 2018, Yale Molecular, Cellular, and Developmental Biology Seminar Series, New  
 Haven, CT  
 March 2018, Weill Cornell Medical School Seminar Series, New York, NY

April 2018, SLU Chamber, Seattle, WA  
 April 2018, Division of Biological Sciences-Department of Cellular and Molecular  
 Medicine Seminar Series at the University of California, San Diego. San Diego,  
 CA  
 April 2018 International Conference “Interventions to Extend Healthspan and Lifespan”,  
 Kazan, Russia  
 May 2018, Nathan Shock Center Coordinating Center Webinar “Learning from Man's  
 Best Friend”, Seattle, WA  
 May 2018, International Conference on Molecular, Cellular, and Organismal Hallmarks  
 of Aging, Madrid, Spain  
 May 2018, TRANS-NIH Workshop on Generative Ideas in Geroscience, Rockville, MD  
 May 2018, resTORbio Key Opinion Leader Briefing, New York, NY  
 June 2018, NIA Summer Training Course, Buck Institute, Novato, CA  
 June 2018, Nathan Shock Center Summit, Philadelphia, PA  
 August 2018, MIDBL Summer Course in Comparative and Experimental Approaches to  
 Aging Biology, Mount Desert Island, ME  
 September 2018, Max Planck Institute for Biology of Ageing, Cologne 10 Year  
 Anniversary Symposium, Cologne, Germany  
 September 2018, International Conference on Muscle Wasting, Ascona, Switzerland  
 October 2018, Next Generation Lecture, Spokane, WA  
 October 2018, Medical University of South Carolina Biochemistry Seminar, Charleston,  
 SC  
 November 2018, Gerontological Society of American Annual Meeting, Public Policy  
 Panel, Boston, MA  
 November 2018, Pohang University of Science and Technology, Pohang, South Korea  
 November 2019, 2018 IBS Conference on Genetics of Aging and Life History, DGIST,  
 Daegu, South Korea  
 February 2019, resTORbio Key Opinion Leader Briefing, New York, NY  
 March 2019, Mitochondria: From Basic Biology to Mechanisms of Disease, Nassau,  
 Bahamas  
 March 2019, 3<sup>rd</sup> Interventions in Aging Conference, Nassau, Bahamas  
 March 2019, USC Davis School of Gerontology Seminar, Los Angeles, CA  
 March 2019, Salk Symposium Keynote Lecture, La Jolla, CA  
 April 2019, Parkin Lecture, University of Iowa, Iowa City, IA  
 May 2019, Frontiers and Aging and Alzheimer’s Disease Pioneer Lecture, Atlanta, GA  
 May 2019, Rochester Aging Day Keynote Lecture, Rochester, NY  
 June 2019, International Geroscience Symposium, San Francisco, CA  
 June 2019, Personalized Medicine 12.0: Aging and Healthspan, Keynote Lecture, San  
 Francisco, CA  
 June 2019, Ageing, Health & Rejuvenation Conference, Rotterdam, the Netherlands  
 July 2019, Biology of Aging Gordon Research Conference, Newbury, Maine  
 September 2019, NUHS Innovation Summit 2019, Singapore  
 September 2019, Basel Life 2019, Basel Switzerland  
 October 2019, Molecular Biology of Ageing, Keynote Lecture, Groningen, Netherlands,  
 October 2019, Metabesity, Washington, D.C.  
 October 2019, Nathan W. Shock Lecture, National Institute on Aging, Bethesda, MD  
 November 2019, Gerontological Society of American Annual Meeting, Austin, TX  
 November 2019, Bellevue College Molecular Biosciences Seminar, Bellevue, WA

February 2020, Bloodworks Northwest, Seattle, WA

## Meetings/Conferences Organized

- 2011 Tri-Nations Aging Meeting, Dongguan, China (Co-Organizer)
- 2013 International Association of Gerontology and Geriatrics Presidential Symposium, Seoul, South Korea (Organizer)
- 2014 Healthy Aging in People and Their Pets, Seattle, WA (Organizer)
- 2015 American Aging Association Annual Meeting (Co-Organizer)
- 2016 American Aging Association Annual Meeting (Organizer and Chair)
- 2017 Keystone Symposium on Aging and Mechanisms of Age-Related Disease, Yokohama, Japan (Co-Organizer)
- 2019 Mitochondria: From Basic Biology to Mechanisms of Disease, Nassau, Bahamas (Co-Organizer)
- 2019 International Geroscience Symposium, San Francisco, CA (Co-Organizer and Chair)
- 2019 UW Nathan Shock Center Symposium, Seattle, WA (Co-Organizer)

## Participation in Grant Review Panels

- 2008 American Federation for Aging Research National Scientific Advisory Council
- 2008 NIH 2008/10 ZRG1 MDCN-C (03) F
- 2009 NIH ZRG1 BDA-M (95) S
- 2010 European Research Council Molecular and Structural Biology and Biochemistry Panel
- 2010 Buck Institute for Age Research Geroscience Pilot Project Review Panel
- 2010 FHCRC/NMSU U54 Study Section
- 2010 The Ellison Medical Foundation New Scholar in Aging Review Panel
- 2011 American Federation for Aging Research National Scientific Advisory Council
- 2011 The Ellison Medical Foundation New Scholar in Aging Review Panel
- 2011 NIH ZRG1 MDCN-N (05) M
- 2012 The Ellison Medical Foundation New Scholar in Aging Review Panel
- 2012 NIA Interventions Testing Program Steering Committee
- 2013 The Ellison Medical Foundation New Scholar in Aging Review Panel
- 2013 NIA Interventions Testing Program Steering Committee
- 2013 NIH ZAG1 ZIJ-5 (M1)
- 2013 American Federation for Aging Research Postdoctoral Fellowship Review Panel, Chair
- 2014- NIA Interventions Testing Program Steering Committee
- 2014 AFAR Research Grant Review Panel
- 2014 Wellcome Trust Strategic Awards Committee
- 2015 NIH ZRG1-BCMB-A 51 R
- 2015 NIH SEP RFA-AG-15-004

2015	NIA Interventions Testing Program Steering Committee
2016	NIA Interventions Testing Program Steering Committee
2016	NIH ZAG1 ZIJ-5 (M1)
2016	NIH ZAG1 ZIJ-5 (M2)
2017	NIH NOMD NIH ZRG1 NOMD-A (07) S
2017	NIH NOMD
2017	NIH ZGM1 RCB-9
2017	NIA Interventions Testing Program Steering Committee
2017	NIA 2 <sup>nd</sup> Stage Program Project Review Committee
2018	NIA Interventions Testing Program Steering Committee
2018	NIH ZRG1 BCMB-A (51) R
2018	NIH ZAG1 ZIJ-7 (O1)
2018	NIA 2 <sup>nd</sup> Stage Program Project Review Committee
2019	NIH 2019/05 ZAG1 ZIJ-4
2019	NIA Interventions Testing Program Steering Committee
2019	NIH 2020/01 ZAG1 ZIJ-4 (J5)
2019	NIA 2 <sup>nd</sup> Stage Program Project Review Committee
2020	NIH ZRG1 BCMB-A (51) R

## **Ad Hoc Grant Review**

2006	Pilot Grant Program of the Barshop Institute for Longevity and Aging Studies
2007	Austrian Science Fund (FWF)
2007	University of Michigan Geriatrics Center Pilot Project
2007	University of Washington Royalty Research Fund
2007	Pilot Grant Program of the Barshop Institute for Longevity and Aging Studies
2007	The Wellcome Trust
2008	University of Washington Royalty Research Fund
2008	Laboratory Joliot-Curie, France
2008	Israel Science Foundation
2008	France National Research Agency (ANR)
2008	University of Washington Nathan Shock Center Pilot Project
2008	Research Into Ageing (UK)
2008	Wageningen University/PE&RC
2008	National Science Foundation
2009	American Federation for Aging Research National Scientific Advisory Council
2009	University of Washington Royalty Research Fund
2009	Wiener Wissenschafts-Forschungs- und Technologiefonds (WWTF) Life Sciences – Molecular Mechanisms and Methods
2009	Netherlands Organisation for Scientific Research VENI, VIDI
2009	Boston Area Diabetes Endocrinology Research Center Pilot and Feasibility Grant
2009	Israel Science Foundation
2009	The Wellcome Trust
2009	University of Washington Nathan Shock Center Pilot Project
2009	Buck Institute for Age Research Nathan Shock Center Pilot Project

2009 National Science Foundation  
 2010 American Federation for Aging Research National Scientific Advisory Council  
 2010 Austrian Science Fund (FWF)  
 2010 The Wellcome Trust  
 2010 United States – Israel Binational Science Foundation  
 2010 National Science Foundation  
 2010 European Research Council ERC Starting Grant  
 2010 Pilot Grant Program of the Barshop Institute for Longevity and Aging Studies  
 2010 AXA Research Fund  
 2010 University of Washington Nathan Shock Center Pilot Project  
 2010 University of Washington Royalty Research Fund  
 2010 Mary Gates Endowment for Students Research Scholarship Program  
 2011 American Federation for Aging Research National Scientific Advisory Council  
 2011 The Netherlands Genomics Initiative Horizon Program Zenith Project  
 2011 AXA Research Fund  
 2011 Pilot Grant Program of the Barshop Institute for Longevity and Aging Studies  
 2011 Mary Gates Endowment for Students Research Scholarship Program  
 2011 European Research Council ERC Starting Grant  
 2011 Dunhill Medical Trust Serendipity Award  
 2011 Italian Ministry of Health General Directorate for Scientific and Biomedical Research and Research Institutes' Supervision  
 2012 American Federation for Aging Research National Scientific Advisory Council  
 2012 University of Washington Royalty Research Fund  
 2012 Netherlands Organisation for Scientific Research Vidi Innovational Research Incentives Scheme  
 2012 The Wellcome Trust  
 2012 Mary Gates Endowment for Students Research Scholarship Program  
 2012 The Netherlands Genomics Initiative  
 2012 European Research Council ERC Starting Grant  
 2012 Boehringer Ingelheim Fonds PhD Fellowship  
 2012 European Research Council ERC Starting Grant  
 2012 Nazarbayev University Review  
 2012 AXA Research Fund  
 2013 American Federation for Aging Research National Scientific Advisory Council  
 2013 AXA Research Fund Postdoctoral Fellowship Program  
 2013 University of Washington Royalty Research Fund  
 2013 The India Alliance  
 2013 Pilot Grant Program of the JAX Aging Center  
 2013 University of Washington Royalty Research Fund  
 2013 Mary Gates Endowment for Students Research Scholarship Program  
 2013 AFM-Telethon: Molecular and Physiopathological Basis of Other NM Diseases  
 2014 University of Washington Royalty Research Fund  
 2014 Pilot Grant Program of the JAX Aging Center  
 2014 Murdock Charitable Trust College Research Program for Natural Sciences  
 2015 Auckland Medical Research Foundation  
 2015 Swiss National Science Foundation

- 2015 Pilot Grant Program of the Barshop Institute for Longevity and Aging Studies
- 2015 Pilot Grant Program of the Einstein Nathan Shock Center
- 2015 Pilot Grant Program of the JAX Aging Center
- 2016 Pilot Grant Program of the Yale Pepper Center
- 2016 Pilot Grant Program of the JAX Aging Center
- 2016 Pilot Grant Program of the Einstein Nathan Shock Center
- 2016 Pilot Grant Program of the San Antonio Nathan Shock Center
- 2017 Velux Stiftung
- 2017 Austrian Science Fund (FWF)
  
- 2017 Pilot Grant Program of the San Antonio Nathan Shock Center
- 2017 UAB Nutrition and Obesity Research Center
- 2017 Swiss National Science
- 2018 University of Chicago Press
- 2018 Austrian Science Fund (FWF)
- 2018 UTHealth Grant Seekers Review Panel
- 2019 Velux Stiftung
- 2019 Johannes Gutenberg University Mainz
- 2020 Glenn Foundation for Medical Research Breakthroughs in Gerontology (BIG) Award
- 2020 Singapore National Research Foundation Competitive Research Programme
- 2020 Velux Stiftung

## **Journal Editorial Activities**

- 2009-2010 Associate Editor, Current Genomics
- 2009-2015 Associate Editor, PLoS One
- 2009- Associate Editor, Cell Cycle
- 2010 Guest Academic Editor, PLoS Genetics
- 2010-2013 Section Editor, Current Genomics
- 2010-2016 Editorial Board, Aging Cell
- 2011- Editorial Board, Frontiers in Genetics of Aging
- 2011-2014 Editorial Board, Longevity and Healthspan
- 2011 Guest Editor, PNAS
- 2011 Guest Academic Editor, PLoS Genetics
- 2012- Editorial Board, Aging Research Reviews
- 2012-2016 Editorial Board, *F1000* Research
- 2012 Guest Academic Editor, PLoS Genetics
- 2013- *Science* Board of Reviewing Editors
- 2014- Editorial Board, Bioessays
- 2014- Honorary Advisory Board, Oncotarget
- 2014- Editorial Board, npj, Aging and Mechanisms of Disease
- 2015-2016 Editorial Board, AGE, Journal of the American Aging Association
- 2016- Editorial Board, Nutrition and Healthy Aging
- 2016-2018 Editorial Board, Translational Medicine of Aging
- 2017- Editorial Board, GeroScience

2017- Board of Reviewing Editors, *eLife*  
2018 Guest Academic Editor, PLoS Biology  
2018- Editor-in-Chief, Translational Medicine of Aging

## **Ad Hoc Journal Review**

Acta Biochimica et Biophysica Sinica  
Ageing Research Reviews  
AGE: Journal of the American Aging Association  
Aging  
Aging Cell  
Amyloid Journal  
Animal Cognition  
Archives of Gerontology and Geriatrics  
Archives of Microbiology  
Biochimie  
Biological Chemistry  
Bioscience Hypotheses  
BioSystems  
BBA – General Subjects  
BBA – Molecular Cell Research  
BMC Biology  
BMC Chemical Biology  
BMC Developmental Biology  
BMC Ecology  
BMC Evolutionary Biology  
BMC Genetics  
BMC Research Notes  
BMC Systems Biology  
Brain Research Bulletin  
Cell  
Cell Cycle  
Cell Metabolism  
Cell Reports  
Cell Research  
Cellular Biochemistry  
Chemico-Biological Interactions  
Clinical Interventions in Aging  
Current Biology  
Current Genomics  
Developmental Biology  
Developmental Cell  
eLife  
EMBO  
EMBO Reports  
Eukaryotic Cell  
Experimental Gerontology

FASEB Journal  
FEMS Yeast Research  
Free Radical Biology & Medicine  
Frontiers in Genetics  
Genes and Development  
Genetics  
Genome Biology  
International Journal of Molecular Sciences  
ISME Journal: Multidisciplinary Journal of Microbial Ecology  
Journal of Applied Physiology  
Journal of Biological Chemistry  
Journal of Cell Biology  
Journal of Gerontology  
Journal of Nutritional Biochemistry  
Journal of Obesity  
Journal of Visualized Experiments (JoVE)  
Mechanisms of Ageing and Development  
Methods in Molecular Biology  
Mitochondrion  
Microbiology  
Molecular Biology of the Cell  
Molecular & Cellular Biology  
Molecular Cell  
Molecular Microbiology  
Molecular Psychiatry  
Molecular Systems Biology  
Mutation Research  
Nature  
Nature Biotechnology  
Nature Cell Biology  
Nature Communications  
Nature Genetics  
Nature Metabolism  
Nature Reviews Molecular Cell Biology  
Neurodegenerative Diseases  
Oncotarget  
Oxidative Medicine and Cellular Longevity  
Pharmacology, Biochemistry and Behavior  
PLoS Biology  
PLoS Computational Biology  
PLoS Genetics  
PLoS ONE  
PNAS  
Preparative Biochemistry & Biotechnology  
Preventive Veterinary Medicine  
Rejuvenation Research  
Science  
Science Signaling



SpringerPlus  
Stem Cells International  
Translational Medicine of Aging  
Trends in Cell Biology  
Trends in Endocrinology and Metabolism  
Trends in Genetics  
Trends in Molecular Medicine  
Veterinary Pathology

## **Ad Hoc Scientific Prize Review**

Ho Am Prize  
Science/AAAS SciLifeLabPrize

## **Committee Memberships**

### National/International

2010	Trination's Aging Symposium Organizing Committee
2010	Asian Association for Aging Research Planning Committee
2010-2012	Gerontological Society of America Publications Committee
2011-2012	Gerontological Society of America Biological Sciences Executive Committee
2011-	NIA Interventions Testing Program Steering Committee
2012-	The Jackson Laboratory Aging Center External Advisory Committee
2012-	American Aging Association Board of Directors
2013-	American Aging Association Executive Committee
2013	Gerontological Society of America Fellowship Committee
2014	NIA Division of Aging Biology Review Committee
2015-	American Aging Association Membership Committee
2016-2019	Federation of American Societies for Experimental Biology Board of Directors
2017-	Gerontological Society of America Fellowship Committee
2017-	Gerontological Society of America Program Committee
2017-	UTHealth San Antonio Shock Center External Advisory Committee
2018-	Gerontological Society of America Executive Committee
2018-2020	NIA Second Stage Program Project Review Committee

### Institutional

2008-2012	Electronic Faculty Effort Certification (FEC) Advisory Committee
2009-2013	Department of Pathology Graduate Program Committee
2010-2016	Cell and Molecular Biology Training Grant Selection Committee
2010-2014	Department of Pathology Graduate Admissions Committee
2010-	University of Washington Nathan Shock Center Executive Committee

2010-2018	Genetic Approaches to Aging Training Grant Selection Committee
2011	Barry Goldwater Scholarship Nomination Committee
2011-2016	Department of Pathology Research Committee
2011-	Molecular and Cellular Biology Graduate Program Developmental Biology, Stem Cells & Aging Curriculum Committee (Chair)
2011-2012	Department of Pathology Chair Search Committee
2012	Barry Goldwater Scholarship Nomination Committee
2012-	Molecular and Cellular Biology Neuroscience Curriculum Committee
2013-2014	Molecular Medicine and Mechanisms of Disease PhD Program Admissions Committee
2015-	MSTP Admissions Committee
2015	Barry Goldwater Scholarship Committee
2017	Barry Goldwater Scholarship Committee
2018	Barry Goldwater Scholarship Committee
2019	Barry Goldwater Scholarship Committee
2016-2020	Department of Pathology Executive Committee

## Teaching

2006	PATH 499 – Undergraduate Research
2007	PATH 507 – Research in Pathology (1 lecture)
2008	PATH 501 – Molecular Mechanisms Linking Diet, Disease, and Aging, Course Director (23 students, 10 lectures, 19 academic credits)
2008	PATH 507 – Research in Pathology (1 lecture)
2008	Resident Didactic Lecture (1 lecture)
2008	PATH 499 – Undergraduate Research
2009	PATH 507 – Research in Pathology (1 lecture)
2009	PATH 517 – The Biology and Pathology of Aging, Course Director (39 students, 10 lectures, 81 academic credits)
2009	PATH 499 – Undergraduate Research (16 students, 52 academic credits)
2009	PATH 498 – Undergraduate Honors Thesis (1 student, 1 academic credit)
2009	MICRO 495 - Undergraduate Honors Thesis (1 student, 5 academic credits)
2009	MICRO 496 – Undergraduate Library Research (1 student, 2 academic credits)
2010	OLL 106962 – Why we age, Course Director (5 lectures)
2010	PATH 499 – Undergraduate Research (27 students, 93 academic credits)
2011	PATH 499 – Undergraduate Research Winter Quarter (11 students, 32 academic credits)
2011	PATH 499 – Undergraduate Research Spring Quarter (10 students, 31 academic credits)
2011	PATH 501 – Hot Topics in Aging Research, Course Director (18 students, 10 lectures, 10 academic credits)
2011	PATH 499 – Undergraduate Research Summer Quarter (5 students, 12 academic credits)
2011	PATH 507 – Research in Pathology (1 lecture)

- 2011 PATH 499 – Undergraduate Research Autumn Quarter (12 students, 35 academic credits)
- 2012 PATH 517 – The Biology and Pathology of Aging, Course Director (10 lectures, 35 students, 87 academic credits)
- 2012 PATH 499 – Undergraduate Research Winter Quarter (19 students, 53 academic credits)
- 2012 PATH 501a – Seminars in Aging Research (5 students, 5 academic credits)
- 2012 PATH 499 – Undergraduate Research Spring Quarter (19 students, 62 academic credits)
- 2012 PATH 499 – Undergraduate Research Summer Quarter (5 students, 14 academic credits)
- 2012 PATH 499 – Undergraduate Research Autumn Quarter (16 students, 47 academic credits)
- 2013 PATH 499 – Undergraduate Research Winter Quarter (19 students, 58 academic credits)
- 2013 PATH 499 – Undergraduate Research Spring Quarter (20 students, 68 academic credits)
- 2013 PATH 499 - Undergraduate Research Summer Quarter (9 students, 31 academic credits)
- 2013 PATH 499 – Undergraduate Research Autumn Quarter (17 students, 61 academic credits)
- 2014 PATH 517 - The Biology and Pathology of Aging, Course Director (10 lectures, 33 students, 81 academic credits)
- 2014 PATH 499 – Undergraduate Research Winter Quarter (22 students, 75 academic credits)
- 2014 PATH 499 – Undergraduate Research Spring Quarter (29 students, 94 academic credits)
- 2014 PATH 499 – Undergraduate Research Summer Quarter (11 students, 42 academic credits)
- 2014 PATH 580 - Mitochondria and Metabolism (8 students, 1 lecture)
- 2014 PATH 499 – Undergraduate Research Autumn Quarter (32 students, 114 academic credits)
- 2015 PATH 499 – Undergraduate Research Winter Quarter (40 students, 131 academic credits)
- 2015 PATH 511 - Topics in Pathology (12 students 1 lecture)
- 2015 MOLMED 514 – Molecular Medicine Seminar (24 students, 1 lecture)
- 2015 PATH 499 - Undergraduate Research Spring Quarter (30 students, 105 academic credits)
- 2015 MICROM 499 – Microbiology Undergraduate Research Spring Quarter (1 student, 3 credits)
- 2015 MICROM 495/496 – Microbiology Honors Thesis Spring Quarter (1 student, 5 credits)
- 2015 PATH 499 – Undergraduate Research Summer Quarter (6 students, 24 academic credits)
- 2015 PATH 580 - Mitochondria and Metabolism (10 students, 1 lecture)

- 2015 MICROM 495/496 – Microbiology Honors Thesis Autumn Quarter (2 students, 10 credits)
- 2015 PATH 499 – Undergraduate Research Autumn Quarter (25 students, 88 academic credits)
- 2016 PATH 517 - The Biology and Pathology of Aging, Course Lecturer (1 lecture, 13 students)
- 2016 MICROM 495/496 – Microbiology Honors Thesis Winter Quarter (1 student, 2 credits)
- 2016 MICROM 499 – Microbiology Undergraduate Research Winter Quarter (2 students, 8 academic credits)
- 2016 PATH 498 – Undergraduate Research Thesis Winter Quarter (1 student, 3 academic credits)
- 2016 PATH 499 – Undergraduate Research Winter Quarter (35 students, 139 academic credits)
- 2016 MICROM 495/496 – Microbiology Honors Thesis Spring Quarter (1 student, 2 academic credits)
- 2016 MICROM 499 – Microbiology Undergraduate Research Spring Quarter (1 student, 3 academic credits)
- 2016 PATH 499 – Undergraduate Research Spring Quarter (31 students, 116 academic credits)
- 2016 PATH 499 – Undergraduate Research Summer Quarter (11 students, 41 academic credits)
- 2016 PATH 499 – Undergraduate Research Autumn Quarter (38 students, 127 academic credits)
- 2017 MICROM 499 – Microbiology Undergraduate Research Winter Quarter (2 students, 5 academic credits)
- 2017 PATH 499 – Undergraduate Research Winter Quarter (29 students, 99 academic credits)
- 2017 PATH 517 - The Biology and Pathology of Aging, Lecturer (1 lecture, 8 students)
- 2017 MOLMED 514 – Molecular Medicine Seminar (28 students, 1 lecture)
- 2017 MICROM 495 – Microbiology Honors Undergraduate Research Spring Quarter (1 student, 3 academic credits)
- 2017 MICROM 496 – Microbiology Honors Undergraduate Thesis Spring Quarter (2 students, 4 academic credits)
- 2017 MICROM 499 – Microbiology Undergraduate Research Spring Quarter (3 students, 7 academic credits)
- 2017 PATH 499 – Undergraduate Research Spring Quarter (42 students, 141 academic credits)
- 2017 PATH 499 – Undergraduate Research Summer Quarter (8 students, 33 academic credits)
- 2017 MICROM 495/496 – Microbiology Honors Thesis Autumn Quarter (1 student, 2 credits)
- 2017 MICROM 499 – Microbiology Undergraduate Research Autumn Quarter (2 students, 6 academic credits)
- 2017 PATH 499 – Undergraduate Research Autumn Quarter (28 students, 82 academic credits)

- 2018 PATH 499 – Undergraduate Research Winter Quarter (28 students, 82 academic credits)
- 2018 MOLMED5 14 – Molecular Medicine Seminar (32 students, 1 lecture)
- 2018 MICROM 495/496 – Microbiology Honors Thesis Winter Quarter (1 student, 5 credits)
- 2018 MICROM 499 – Microbiology Undergraduate Research Winter Quarter (2 students, 8 academic credits)
- 2018 PATH 499 – Undergraduate Research Spring Quarter (28 students, 88 academic credits)
- 2018 MICROM 495/496 – Microbiology Honors Thesis Spring Quarter (1 student, 5 credits)
- 2018 MICROM499 – Microbiology Undergraduate Research Spring Quarter (2 students, 8 academic credits)
- 2018 PATH 499 – Undergraduate Research Summer Quarter (4 students, 19 academic credits)
- 2018 MICROM 495/496 – Microbiology Honors Thesis Summer Quarter (1 student, 1 credit)
- 2018 MICROM 499 – Microbiology Undergraduate Research Summer Quarter (1 student, 2 academic credits)
- 2018 PATH 499 – Undergraduate Research Autumn Quarter (21 students, 66 academic credits)
- 2018 NBIO 499 – Undergraduate Research Autumn Quarter (2 students, 7 academic credits)
- 2019 MOLMED 514 – Molecular Medicine Seminar (29 students, 1 lecture)
- 2019 PATH517 - The Biology and Pathology of Aging, Lecturer (1 lecture, 15 students)
- 2019 PATH499 – Undergraduate Research Winter Quarter (21 students, 67 academic credits)
- 2019 MICROM499 – Microbiology Undergraduate Research Winter Quarter (1 student, 4 academic credits)
- 2019 MICROM495 – Microbiology Undergraduate Research Winter Quarter (1 student, 2 academic credits)
- 2019 PATH498 – Undergraduate Research Spring Quarter (1 student, 2 academic credits)
- 2019 PATH499 – Undergraduate Research Spring Quarter (26 students, 87 academic credits)
- 2019 MICROM499 – Microbiology Undergraduate Research Spring Quarter (1 student, 4 academic credits)
- 2019 NBIO499 – Neurobiology Undergraduate Research Spring Quarter (1 student, 3 academic credits)
- 2019 PATH499 – Undergraduate Research Summer Quarter (3 students, 10 academic credits)
- 2019 PATH499 – Undergraduate Research Autumn Quarter (33 students, 81 academic credits)

- 2019 NEUSCI 499 - Undergraduate Research Autumn Quarter (2 students, 10 academic credits)
- 2020 PATH499 - Undergraduate Research Winter Quarter (32 students, 83 academic credits)
- 2020 NEUSCI 499 - Undergraduate Research Winter Quarter (2 students, 11 academic credits)

## **Post-doctoral Trainees**

1. Katy Steinkraus, Ph.D., (2006-2008), Freelance Science Writer
2. Erica Smith, Ph.D., (2007-2008), Assistant Professor, Northwestern University
3. Victor Pineda (2008-2015), Research Scientist, University of Washington
4. Lara Shamieh, Ph.D., (2008-2012), Assistant Professor, Regis University
5. Fresnida Ramos, Ph.D., (2008-2014), Pharmacologist, FDA
6. Anna Shemorry, Ph.D. (2013-2015), Post-doc, Genentech
7. Haeri Choi, Ph.D. (2011-2015), Research Scientist, Oregon Health and Science University
8. Scott Leiser, Ph.D., (2009-2015), Assistant Professor, University of Michigan
9. Brian Wasko, Ph.D., (2011-2018), Assistant Professor, University of Houston, Clearwater
10. Adrienne Wang, Ph.D., (2012-2017), Assistant Professor, Western Washington University
11. Ali Jafari, Ph.D. (2012-2015), Research Scientist, Harvard Medical School
12. Jason Pitt, Ph.D. (2012-2017), Research Scientist, University of Washington
13. Alessandro Bitto, Ph.D. (2013-2018), Acting Instructor, University of Washington
14. Matt Crane, Ph.D. (2015-2019), Director and Chief Scientific Officer, Semaine Health
15. Takashi Ito, Ph.D. (2013-2016), Assistant Professor, Hamamatsu University
16. Jeehae Han, Ph.D. (2014-2016), Geneticist, ActX, Inc.
17. Nikolay Burnaevsky (2014-2018), Post-doc, University of Washington
18. Joshua Russell (2015-current)
19. Weirong Wang (2016-2017), Associate Professor, Xi'an Jiaotong University
20. Shauna Hill (2017-current)
21. Cezar Pestana (2017-2018), Assistant Professor, Latin American Institute of Life and Natural Sciences (ILACVN), Federal University of Latin American Integration (UNILA)
22. Anthony Grillo (2018-current)

## **Graduate Student Research Training**

### Ph.D. Thesis Mentor

1. Jennifer Schleit (2009-2011): Received Ph.D. in 2011 from the Pathology graduate program. Currently: Senior Geneticist at Blueprint Genetics.

2. George Sutphin (2008-2012): Received Ph.D. in 2012 from Molecular and Cellular Biology graduate program. Currently: Assistant Professor, University of Arizona.
3. Joe Delaney (2009-2012): Received Ph.D. in 2012 from Molecular and Cellular Biology graduate program. Currently: Assistant Professor, South Carolina Medical University
4. Melana Yanos (2009-2015): Received Ph.D. in 2015 from Psychology Ph.D. program. Currently: Associate Professor, Seattle Central College.
5. Simon Johnson (2010-2014): Pathology Ph.D. program. Joint mentorship with Peter Rabinovitch. Received Ph.D. in 2014 from the Pathology graduate program. Currently: Assistant Professor, Seattle Children's Research Institute.
6. Chris Bennett (2011-2016): Received Ph.D. in 2016 from the Molecular and Cellular Biology graduate program. Currently: Post-doctoral fellow, Puigserver Lab, Harvard Medical School
7. Mitchell Lee (2013-2018), Received Ph.D. in 2018 from the Pathology graduate program. Joint mentorship with Alan Herr. Currently: Post-doctoral fellow, Promislow Lab, University of Washington
8. Kenneth Chen (2013-2019), Received Ph.D. from Genome Sciences graduate program. Currently: Residency training
9. Jonathon An, DSTP (2015-2019), Received Ph.D. from Oral Health Sciences graduate program. Currently: Acting Instructor, University of Washington
10. Ryan Rossner, Molecular Medicine and Mechanisms of Disease Ph.D. program (2016-current)
11. Michael Kiflezghi, Molecular Medicine and Mechanisms of Disease Ph.D. program (2017-current)
12. Benjamin Blue, Molecular Medicine and Mechanisms of Disease Ph.D. program (2018-current)

### Rotating Graduate Students

1. Marvin Lai, Pathology (2008)
2. Jake Hoekstra, Pathology (2009)
3. Anna Sczniecka, Molecular and Cellular Biology (2009)
4. Joe Jardine, Biochemistry (2008)
5. Kamila Gwiazda, Molecular and Cellular Biology (2009)
6. David Young, MSTP (2010)
7. Valerie Wall, Pathology (2011)
8. Nathan Basisty, Pathology (2011)
9. Joe Sanchez, Molecular and Cellular Biology (2012)
10. Mitchell Lee, Pathology (2013)
11. Laura Taylor, Molecular and Cellular Biology (2014)
12. Colby Samstag, Molecular and Cellular Biolog (2014)
13. Forrest Nussdorfer, Pathology M3D (2014)
14. Nikolas Jorstadt, Pathology M3D (2015)
15. Sophia Stone, MSTP (2015)
16. Ryan Rossner, M3D (2015)
17. Nayanga Thirimanne, M3D (2015)
18. Jonathon An, DSTP (2015)

19. Michael Kiflezghi (2016)
20. Ben Blue (2018)
21. Oliver Newsom (2019)

#### Graduate Committee Member (External)

1. Nika Erjavec, Department of Cell and Molecular Biology, Gothenburg University, Sweden (PI: Thomas Nystrom, Ph.D. 2007)
2. Antoine Roux, Universite de Montreal, Canada (PI: Luis Rokeach, Ph.D. 2009)

#### Ph.D. Thesis Committee Member (University of Washington)

1. Brian Kudlow, Biochemistry (PI: Brian Kennedy; Ph.D. 2008)
2. Bethany Cool, Pathology (PI: George Martin; Ph.D. 2008)
3. Chris Burtner, Biochemistry (PI: Brian Kennedy, Ph.D. 2010)
4. Max Boeck, Genome Sciences (PI: Bob Waterston; Ph.D. 2011)
5. Lindsey Williams, Molecular and Cellular Biology (PI: Brad Preston; Ph.D. 2012)
6. Lauren Richardson, Pharmacology (PI: Rich Gardner; Ph.D. 2012)
7. Pamela Gallagher, Pharmacology (PI: Rich Gardner; Ph.D. 2013)
8. Leslie Kim, Genome Sciences (PI: Leo Pallanck, Ph.D. 2014)
9. Erik Frederickson, Pharmacology (PI: Rich Gardner; Ph.D. 2012)
10. Daniel Skelly, Genome Sciences (PI: Josh Akey; Ph.D. 2012)
11. Jarrett Egertson, Genome Sciences (PI: Mike MacCoss; Ph.D. 2013)
12. Anna Brosius, MSTP (PI: Maitreya Dunham, Ph.D. 2014)
13. Ben Reed, Pharmacology (PI: Rich Gardner, Ph.D. 2015)
14. Americo Lopez-Yglesias, Pathology (PI: Kelly Smith, Ph.D. 2014)
15. Joe Horsman, Biochemistry (PI: Dana Miller)
16. Nick Ieronimakis, Pathology (PI: Morayama Reyes, Ph.D. 2015)
17. Nathan Basisty, Pathology (PI: Peter Rabinovitch Ph.D. 2015)
18. Ramon Jones, Pharmacology (PI: Rich Gardner)
19. Charisma Enam, Pharmacology (PI: Randy Moon)
20. Ellen Quarles, Pathology (PI: Peter Rabinovitch; Ph.D. 2017)
21. Monica Mascarenas, Molecular and Cellular Biology (PI: Maitreya Dunham, Ph.D. 2017)
22. Laura Taylor, Molecular and Cellular Biology (PI: Brian Kraemer, Ph.D. 2018)
23. Colby Samstag, Molecular Medicine and Mechanisms of Disease (PI: Pallanck, Ph.D. 2019)
24. Lindsay Pino, Genome Sciences (PI: MacCoss, Noble, Ph.D. 2019)
25. Daniel Holmes, Microbiology (PI: Lagunoff)
26. Yevgeniy Yuzefpolskiy, Molecular Medicine and Mechanisms of Disease (PI: Sarkar, Ph.D. 2019)
27. Abigail Keller, Molecular and Cellular Biology (PI: Dunham)
28. Kelly Jin, Molecular Medicine and Mechanisms of Disease (PI: Promislow)
29. Ian Dowsett, Molecular Medicine and Mechanisms of Disease (PI: Herr)
30. Rebecca Bornstein, Molecular Medicine and Mechanisms of Disease (PI: Morgan)



## **Undergraduate and High School Student Research Training**

1. Tyrina Newkirk (2006, Summer Minority High School Internship)
2. Ricardo Levya (2006, Summer Minority High School Internship)
3. Chris Murakami (2006-2007)
4. Joe Jardine (2006-2007)
5. Daniel Carr (2006-2007)
6. Linnea Welton (2006-2007)
7. Dylan Mart (2007)
8. Brynn Lydum (2006-2008)
9. Christina Davis (2006-2008)
10. Stephanie Ortman (2007-2008)
11. Gabriel See (2007-2008, Gifted Student Internship)
12. Erika Korinke (2007-2008)
13. Jacob Reynolds (2008)
14. Cuvario Jackson (2009, Summer Minority High School Internship)
15. Jenny Sager (2006-2009)
16. Anna Le (2006-2010)
17. Alex Huh (2007-2009)
18. Naz Taskin (2008-2009)
19. Luciana Svilpa (2008-2009)
20. Kevin Zhang (2008-2009)
21. Lori Karnes (2008-2010)
22. Elyse Allen (2008-2010)
23. Ben Dulken (2009-2010)
24. Devon Chandler-Brown (2007-2010)
25. Minnie Singh (2010-2011)
26. Brian Muller (2010-2011)
27. Amrita Solanky (2010-2011)
28. Ally Meyer (2010-2011)
29. Allen Bai (2011)
30. Diana Kim (2011)
31. Daniel Pak (2011)
32. Mike Coleman (2010-2011)
33. Emma Grygotis (2011 Amgen Scholar Internship)
34. Joe Kruempel (2011 Amgen Scholar Internship)
35. Gilberto Munoz (2011 GenOM ALVA Intership)
36. Joe Peng (2010-2012)
37. Pranav Venkataraman (2010 – 2012)
38. Mollie Holmberg (2010 – 2012)
39. Guilia Anderson (2011-2012)
40. Vanessa Ros (2011 – 2012)
41. Ani Begun (2010 – 2012)
42. Lauren Uhde (2011-2012)
43. Umema Ahmed (2010 – 2012)
44. Elroy An (2010 – 2012)
45. Emma Bishop (2010 – 2012)
46. Anthony Castanza (2011 – 2012)

47. Annie Chou (2010 – 2012)
48. Marissa Fletcher (2010 – 2012)
49. Monika Jelic (2010 – 2012)
50. Winston Lo (2011 – 2012)
51. Erin McCarthy (2010 – 2012)
52. Dillon Pruett (2011 – 2012)
53. Natalie Trongtham (2010 – 2012)
54. Sylvia Sim (2010 – 2012)
55. Sarah Barfield (2012 Amgen Scholar Internship)
56. Sein Kelly Oh (2012, High School Summer Intern)
57. Gilberto Munoz (2011 - 2012)
58. Ki-Soo Jeong (2011 – 2013)
59. Shannon Klum (2010 – 2013)
60. Eric Liao (2011 – 2012)
61. Hillary Miller (2011 – 2013)
62. Tom Pollard (2011 – 2013)
63. Melissa Primitivo (2010 – 2014)
64. Prarthana Pradeep (2011 – 2013)
65. Dilreet Rai (2011 – 2013)
66. Heather Schneider (2010 – 2013)
67. Marissa Simko (2010 – 2013)
68. Ben Spector (2011 – 2013)
69. Helen Vander Wende (2011 – 2013)
70. Dennis Wang (2011 – 2013)
71. Michael Lin (2011-current)
72. Alison Leonard (2012 – current)
73. Alexandra Schuster (2012 – 2013)
74. Jilly Kim (2009 – 2012)
75. Sean Higgins (2011 – 2013)
76. Maya Sangesland (2012-2013)
77. Janice Khoo (2012-2013)
78. James Williamson (2012-2013)
79. Nathan Phillips (2013 Amgen Scholar Internship)
80. Lillian Cha (2012-2014)
81. Alysha Dhami (2012-2014)
82. Malika Jhavar (2012-2014)
83. Anna Kimple (2012-2014)
84. Romero Kupai (2012-2014)
85. Jane Kwon (2012-2014)
86. Mekedes Lemma (2012-2014)
87. Alex Van-Den-Ende (2012-2013)
88. Andrew Ho (2012-2014)
89. Chloe Choe (2012-2013)
90. Fiona Kang (2012-2015)
91. Rishika Lagisetti (2013)
92. Xiaoli Wu (2013, Chinese exchange student)
93. Joshua Coombs (2013-2014)
94. Rebecca Peters (2013-2014)

95. Dorothy Cabantan (2014)
96. Sein Kelly Oh (2014, Summer Intern)
97. Jessie Levin (2014, STMPREP Internship)
98. Emily Harasym (2014 Amgen Scholar)
99. Vivian Hsiao (2013-2015)
100. Yiyi Zhang (2013-2015)
101. Rian Morgan (2013-2015)
102. Jillian Neault (2013-2015)
103. Tina Nguyen (2013-2015)
104. Nathan Schurman (2013-2015)
105. Bridget Lin (2013-2015)
106. Edward Oudanoh (2013-2015)
107. Ben Zipkin (2013-2014)
108. Ashley Tong (2013-2015)
109. Jingyi (Cindy) Dong (2013-2015)
110. Shirley Park (2013-2015)
111. Ji-Min Park (2013-2015)
112. Ryan Hau (2013-2015)
113. Lanny McCanta (2013-2015)
114. Corey Screws (2013-2015)
115. Torin Stetina (2013-2015)
116. Eduardo Chavez (2013-2015)
117. Farzin Eshaghi (2013-2015)
118. Conner Jarvie (2013-2015)
119. Nic LeTexier (2013-2015)
120. Jake Mouser (2013-2015)
121. Emily Anthony (2013-2015)
122. Sai Vikram Akam (2013-2015)
123. Anthony Coccaro (2013-2015)
124. Ashley-Anne Feria (2013-2015)
125. Bradley Hower (2013-2015)
126. Bruce Huang (2013-2015)
127. Bryton Rodgers (2013-2015)
128. Alyssa Rovner (2013-2015)
129. Maia Sebek (2013-2015)
130. Sarah Stanton (2013-2015)
131. Elissa Sutlief (2013-2015)
132. Nicholas Vizzini (2013-2015)
133. Janet Lee (2014-2015)
134. Rachel Abramson (2014-2015)
135. Yen-Chun Lin (2014-2015)
136. Kathryn Provencher (2014-2015)
137. Oliver Tamis (2014-2015)
138. Jacob Khan (2014-2015)
139. Chenhao Lu (2014-2015)
140. Quy Nguyen (2014-2015)
141. Michelle Chen (2014-2015)
142. Grace Kim (2014-2015)

143. Josephine Lin (2014-2015)
144. Taide Pham (2014-2015)
145. Iryna Strenytska (2014-2015)
146. Issac Cheng (2014-2015)
147. Andrew Ikazaki (2014-2015)
148. Zhongyu Li (2014-2015)
149. Alex Lin (2014-2015)
150. Molly Murphy (2014-2015)
151. Margarete Moore (2013-2015)
152. Tiffany Yang (2013-2015)
153. Naheed Arang (2013-2015)
154. Billie Ocampo (2013-2015)
155. Christine Chen (2014-2016)
156. Kaila Eitzen (2015-2015)
157. Danielle Marangoni-Simonsen (2015-2015)
158. Yining Zou (2015-2015)
159. Ryan Rossner (2010-2016)
160. Alyssa Asp (2015-2016)
161. Joey Feng (2013-2016)
162. Mason O’Rosky (2015-2016)
163. Ashley Keenan (2016-2017)
164. Franklin Faust (2016-2017)
165. Kevin Shi (2016-2016)
166. Nisha Hyde (2016-2016)
167. Eddy Yang (2013-2016)
168. Ha Doan (2013-2016)
169. Nick Rintala (2013-2016)
170. Herman Tung (2013-2016)
171. Shiwin Chen (2013-2016)
172. Anna Bode (2014-2016)
173. Heather Huang (2014-2016)
174. Maryann Li (2014-2016)
175. Kaleb Smith (2014-2016)
176. Kathlyn Acosta (2014-2016)
177. Samy Khessib (2014-2016)
178. Johnathon Johnson (2014-2015)
179. Tracy Zou (2014-2016)
180. Niloufar Ghodsian (2014-2016)
181. Tran Huynh (2014-2016)
182. Christina Kim (2014-2016)
183. Deborah Kim (2014-2016)
184. Maria Tozzi (2014-2015)
185. Socheata Thon (2015-2016)
186. Luz Valdez (2015-2016)
187. Raheem Knight (2015 STEMPREP Intern)
188. Daniela Ayon (2015-2017)
189. Elliott Chang (2015-current)
190. Shengying (Sophia) Chen (2015-2016)

191. Bhavya Chhabra (2015-2016)
192. Ivor Clinton (2015-2016)
193. Joshua Dang (2015-2016)
194. Sanchita Galgalikar (2015-2015)
195. Andrewlina Rivers (2015-2015)
196. Trenton Grossfeld (2015-2015)
197. Turan Ketene (2015-2016)
198. Deborah Kim (2015-2016)
199. Jennifer Lee (2015-2016)
200. Paul Lee (2015-2016)
201. Kaila Mealey (2015-2015)
202. Tuyet Nguyen (2015-2016)
203. Soo Ryeun Yoon (2015-2016)
204. Mustafa Ramadan (2015-2016)
205. Oscar Covarrubias (2016-2016)
206. Anuj Vaid (2016-2016)
207. Diogo Moraes (2016-2016)
208. Chenhao Lu (2016-2016)
209. Ronald Theofells (2016-2016)
210. Inseong Lee (2016-2017)
211. June Lee (2015-2018)
212. Sunny Nguyen (2015-2018)
213. Blaise Pascual (2015-2018)
214. Thao Tang (2015-2017)
215. Kevin La (2015-2018)
216. Nicolas Tonel (2015-2018)
217. Blair Zhao (2015-2018)
218. Shree Mehta (2015-2018)
219. Rohan Bhat (2016-2017)
220. Da Yae Kim (2014-2018)
221. Karen Huang (2016-2018)
222. Yenna Lee (2016-2018)
223. Vesal Mobasher (2016-2018)
224. Kristoffer Thordarson (2016-2018)
225. Christina Tran (2016-2018)
226. Toby Ven (2016-current)
227. Dexter Chen (2016-current)
228. Youji Hong (2016-current)
229. Ashlesha Rijal (2016-2018)
230. Qing Jo Tan (2015-2017)
231. Surapat Mekvanich (2016-2018)
232. Matt Bernard (2016-2018)
233. James Phil (2015-2018)
234. Natalie Lim (2015-current)
235. Greg Reynolds (2015-2016)
236. Brock Johnson (2015-2018)
237. Alex Gust (2016-2018)
238. Christian Battaglia (2016-2018)

239. Adam Russell (2016-2018)
240. Paula Paubustan (2016-2018)
241. Sam Yaechan (2016-2018)
242. Katrin Hosseini (2016-2018)
243. Mahboobah Hosseini (2016-2018)
244. Chris Mowers (2016-2018)
245. Jesse Wang (2016-2018)
246. Diego Molina (2016-2018)
247. Thu Tran (2016-2018)
248. Ngoc Tran (2016-2018)
249. Hieu Nguyen (2016-2018)
250. Priya Rastogi (2016-2018)
251. Joshua Oh (2016-2018)
252. Roy Hsu (2016-2018)
253. Graham Gingras (2016-2018)
254. Nozomi Suzuki (2016-2018)
255. Matt Bernard (2016-2018)
256. Shruti Karanth (2016-2018)
257. Anthony Reynolds (2016-2018)
258. Miguel Mailig (2016-2018)
259. Angeline Ekwonye (2016, STMPREP Internship)
260. Rachael Logan (2107-2018)
261. Seung Muk Cho (2017-2018)
262. Tianrui Wang (2017-2018)
263. Pegah Hamed (2017-2018)
264. Ali Hadier Shah (2017-2018)
265. Keilee Xing (2017-2018)
266. Irika Sinha (2017-2018)
267. Victor Omokehinde (2017, STMPREP Internship)
268. Nile Bayard (2017, STMPREP Internship)
269. Ashmi Chakraborty (2017-2018)
270. Joslyn Goings (2017-2018)
271. Alexander Kang (2017-2018)
272. Dae Hyun Shong (2017-2018)
273. Anthony Liu (2017-2018t)
274. Pavithra Rao (2017-2018)
275. Kellee Ying Xing (2017-2018)
276. Ting-I Lee (2017-2018)
277. Nicole Tatum (2017-2018)
278. Ashley Auerbach (2018-2018)
279. Grace Cho (2018-2018)
280. Naomi Desai (2018-2018)
281. Yen-Chi Feng (2018-2018)
282. Anne Gomes (2018-2018)
283. Charles Lin (2018-2018)
284. Tyler Schmitz (2018-2018)
285. Cale Watkins (2018, STMPREP Internship)
286. Rahul Kishore (2018-2018)

287. Pavitrha Krishna (2018-2018)
288. Jared Almazan (2017-2019)
289. Katherine Brower (2015-2019)
290. Katie Grayden (2016-2019)
291. Anh Diep (2016-2019)
292. Priya Uppal (2016-2019)
293. Tara Kumar (2017-2019)
294. Brendan Michael (2018-2019)
295. Bahar Heydari (2018-2019)
296. Beeta Heydari (2018-2019)
297. Ryan Kelly (2018-2019)
298. Jiayi Lee (2018-2019)
299. Kenny Nguyen (2018-2019)
300. So Il Park (2018-2019)
301. Esin Tunali (2018-2019)
302. Jordan Elala (2018-2019)
303. Azaad Zimmerman (2018-2019)
304. Anh Boi (2018-2019)
305. Lincoln Pothan (2018-2019)
306. Alison Guard (2019)
307. Erin Thomas (2019 STEMPREP Internship)
308. Nikjoo Arash (2019)
309. Janet Pan (2019)
310. Adrian Nicholas (2019)
311. Ellen Huynh (2019)
312. Haoyi Lei (2017-current)
313. Jordan Elala (2018-current)
314. Bao Nguyen (2018-current)
315. Keong Mu (Jason) Lim (2018-current)
316. Brendon Davis (2018-current)
317. Megan Lee (2018-current)
318. Riley Whalen (2018-current)
319. Gunner Velikanje (2018-current)
320. Feng (Leo) Yeh (2019-current)
321. Judy Wu (2019-current)
322. Justin Dillard-Telm (2019-current)
323. Rahul Chaliparambil (2019-current)
324. Siobhan Duffy (2019-current)
325. Vivian Ha (2019-current)
326. Sydney Huff (2019-current)
327. Vivian Ha (2019-current)
328. Rachel Tran (2019-current)
329. Thomas Krivak (2019-current)
330. Camille Bodart (2019-current)
331. Robert Chavez (2019-current)
332. Donovan Dang (2019-current)
333. Sahib Ghatore (2019-current)
334. Urmi Hofland (2019-current)

335. Abbey Kim (2019-current)
336. Laura Koo (2019-current)
337. Jo Kuramkote (2019-current)
338. Rebecca Lee (2019-current)
339. Nicole Lim (2019-current)
340. Mitchell Lopes (2019-current)
341. Tasha Mathew (2019-current)
342. Sanchita Narayan (2019-current)
343. Isaac Park (2019-current)
344. Cara Stacey (2019-current)
345. Ehmer Taj (2019-current)
346. Ngoc (Natalie) Tran (2019-current)
347. Adrian Markewych (2019-current)
348. Ayush Sharma (2019-current)
349. Diane Danao (2019-current)
350. Danny Kim (2019-current)
351. Raja Estes (2019-current)
352. Faith Berry (2019-current)
353. Ethan Le (2019-current)
354. Dana Lee (2019-current)
355. Sergio Dasilva (2019-current)
356. Paolo Bifuco (2019-current)
357. Jyotsna Kuramkote (2020-current)
358. Mahimna Pandya (2020-current)
359. Carly Horne (2020-current)
360. Ellie Zhao (2020-current)
361. Peter Grotz (2020-current)
362. Saba Sarkhosh (2020-current)
363. Safa Aynoor (2020-current)
364. Sahib Ghatore (2020-current)
365. Saira Moazzam (2020-current)
366. Sara Fish (2020-current)
367. Setareh Sayan (2020-current)
368. Shruthika Kandukuni (2020-current)
369. Susan Markiewicz (2020-current)
370. Yuying Li (2020-current)

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## Patents

1. Identification of aging genes through large-scale analysis. *United States Patent 7622271*.

## Current Research Funding

2020-2025	NIH Grant T32AG066574. Biological mechanisms of healthy aging training program. (Kaeberlein, PI)
2019-2024	NIH Grant R01AG061132. Interpretable machine learning to identify Alzheimer's Disease therapeutic targets (Lee, PI)
2019-2024	NIH Grant R01AG058713. Molecular mechanisms of translational regulation in aging. (Labunskyy, PI)

2018-2023	NIH Grant U19AG057377. The Dog Aging Project: Genetic and Environmental Determinants of Healthy Aging in Companion Dogs (Promislow, PI)
2017-2022	NIH Grant R01AG056359. Emergent properties of signaling network degradation that mediate homeostatic failure during aging (Villen, Kaeberlein, MPI)
2017-2022	NIH Grant R01NS98329. Mechanisms of mitochondrial disease suppression in Ndufs3 knockout mice. (Kaeberlein, Villen, MPI)
2018-2021	NSF Collaborative Research: ABI Innovation: Interpretable Machine Learning to Identify Molecular Markers for Complex Phenotypes (Lee, PI)
2015-2020	NIH Grant R01AG031108. Mechanisms of Life Span Extension and Rejuvenation by Adult Reproductive Diapause (Kaeberlein, Van Gilst, MPI)
2010-2020	NIH Grant P30AG013280. Nathan Shock Center of Excellence in the Basic Biology of Aging. (Rabinovitch, Kaeberlein MPI)
2019-2020	UW CoMotion Innovation Fund (Kaeberlein, PI)
2016-2020	Donner Foundation Grant. Dog Aging Project Rapamycin Intervention Trial Phase 2 (Kaeberlein, PI)

### **Completed Research Funding**

2015-2020	NIH Grant P50AG005136. UW ADRC Project. Mechanisms linking normative aging with Alzheimer's Disease (Kaeberlein, PI)
2017-2019	NIH Grant R56AG054566. Molecular mechanisms of translational regulation in aging. (Labunskyy, PI)
2018-2019	USANA. Identification of natural product mTOR inhibitors. (Kaeberlein, PI)
2015-2017	Glenn Award. The Paul Glenn Foundation. (Kaeberlein, PI)
2011-2017	NIH Grant R01AG038518 Mechanism of lifespan and healthspan regulation by the hypoxic response transcription factor. (Kaeberlein, PI)
2016	USANA. Identification of natural product mTOR inhibitors. (Kaeberlein, PI)

2016 Meiji Corporation. Identification of microbial fermentation products with mTOR inhibitory and longevity-enhancing properties. (Kaeberlein, PI)

2011-2016 NIH Grant R01AG039390 Defining the mechanisms of genotype-dependent responses to caloric restriction. (Kaeberlein, PI)

2015-2016 Samsung Electronics Company. Interventions and mechanisms to promote healthy aging. (Kaeberlein, PI)

2012-2015 NIH Grant R01AG033598 Endocrine regulation of survival in *C. elegans*. (Kaeberlein, PI)

2013-2014 Samsung Electronics Company. Interventions and mechanisms to promote healthy aging. (Kaeberlein, PI)

2014 M.J. Murdock Charitable Trust. Creation of an invertebrate longevity and healthspan center. (Kaeberlein, PI)

2008-2014 NIH Grant R01AG031108. Mechanism of life span extension by dietary deprivation. (Kaeberlein, PI)

2008-2012 New Scholar in Aging Award, The Ellison Medical Foundation. Mechanism of life span extension by conserved longevity modifiers in *C. elegans*. (Kaeberlein, PI)

2009-2011 Ellison Medical Foundation Infrastructure Award. SAGEWEB: The science of aging electronic resource center. (Kaeberlein, PI)

2010-2012 The Buck Institute for Age Research (subcontract) Conserved modifiers of longevity in yeast. (Kaeberlein, PI)

2009-2010 NIH Grant R01AG033373. Translation, and aging. (Kennedy, PI)

2008-2010 NIH Grant R21AG031965. Large-Scale quantitative analysis of chronological aging in yeast. (Kaeberlein, PI)

2008-2010 Alzheimer's Association Investigator Initiated Research Grant. IIRG-07-60158. TOR signaling in amyloid beta toxicity. (Kaeberlein, PI)

2008-2009 Royalty Research Fund, University of Washington. Diet-Induced ubiquitin remodeling in *Caenorhabditis elegans*. (Kaeberlein, PI)

2007-2009 Glenn Foundation / American Federation for Aging Research. Sensory mechanisms of dietary restriction in *Caenorhabditis elegans*. (Kaeberlein, PI)

- 2007-2009 Hereditary Disease Foundation. Suppression of proteotoxicity by dietary restriction in *Caenorhabditis elegans*. (Kaeberlein, PI)
- 2007-2008 NIH Grant. UW Nathan Shock Center Pilot Project. Hsf1 function in dietary restriction. (Kaeberlein, PI)
- 2007-2008 NIH Grant. UW Alzheimer's Disease Research Center Pilot Project. Chemical and Genetic Modifiers of Amyloid Beta Toxicity. (Kaeberlein, PI)
- 2006-2007 NIH Grant. UW Nathan Shock Center Pilot Project. Mechanism of Life Extension from TOR Inhibition in Yeast. (Kaeberlein, PI)
- 2006-2007 American Federation for Aging Research. Molecular Genetics of Life Span Extension by Dietary Restriction in *C. elegans*. (Kaeberlein, PI)
- 2006-2010 NIH Grant 1R01AG025549. Genome-wide Analysis of Aging in Yeast. (Kennedy, PI).
- 2005-2009 The Ellison Medical Foundation. AG-IA-0052-05. A Consortium for the Determination of Public Pathways Regulating Longevity. (Kennedy, PI).