CURRICULUM VITAE

Brian K. Kennedy

### Work Address

Buck Institute for Research on Aging

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Novato, CA 94945

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## **Biographical Data**

Birthplace: Louisville, Kentucky Citizenship: U.S.A.

Birthdate: January 30, 1967

## **Education/Training**

Ph.D. in Biology, Massachusetts Institute of Technology

Cambridge, Massachusetts, June 1996

Doctoral Dissertation: Genetic and Molecular Analysis of Aging in Yeast

B.A. in Mathematics and BMBCB (Biochemistry, Molecular Biology and Cellular Biology) Northwestern University, Evanston, Illinois, June 1989

Undergraduate Thesis on Ergosterol function in yeast

**Research Positions**

2010 – present President and CEO, Buck Institute for Age Research, Novato, CA

2013 – present Adjunct Professor, Davis School of Gerontology, University of Southern California, Los Angeles, California

2010 – present Affiliate Professor, Department of Biochemistry, University of Washington, Seattle, Washington

2009 – present Visiting Professor in Aging Research, Guangdong Medical College, Guangdong Province, China

2007 – 2010 Associate Professor, Department of Biochemistry, University of Washington, Seattle, Washington

2001 – 2007Assistant Professor, Department of Biochemistry, University of Washington, Seattle, Washington

1996 – 2001 Postdoctoral Fellowship, Massachusetts General Hospital Cancer Center, Charlestown, Massachusetts (Dr. Ed Harlow)

**Honors**

1997 – 2000 Postdoctoral Fellow, The Leukemia Society

2003 – 2004 American Federation for Aging Research Junior Faculty Research Grant

2003 – 2006 Searle Scholar, The Chicago Community Trust

2008 Julie Martin Mid-Career Award in Aging Research

2009 Kavli Fellow

2009 Vincent Cristofalo Rising Star in Aging Research Award

2010 National Institute of Aging Nathan Shock Award

2012                            Ellison Medical Foundation Senior Scholar Award

2015 Gerontological Society of America Fellow

**Professional Societies**

American Aging Association

American Association for the Advancement of Science

American Society of Cell Biology

American Society of Microbiology

Genetics Society of America

Gerontological Society of America

**Invited Seminars**

September 2001, AACR Conference: Cancer and Chromosomal Organization, Palm Desert, California

September 2002, Fred Hutchinson Cancer Research Center, Seattle, Washington

September 2002, CSHL Meeting: Dynamic Organization of Nuclear Function, Cold Spring

Harbor, New York

April 2004, Functional Genomics of Ageing Meeting, Crete, Greece

August 2004, Gordon Research Conference: Intermediate Filaments, Oxford, UK

October 2004, CSHL Meeting: The Molecular Genetics of Aging, Cold Spring Harbor, New York

April 2005, Ninth Annual BCMB Research Symposium, Emory University, Atlanta, Georgia

April 2005, Department of Biochemistry, University of Hong Kong, Hong Kong, China

April 2005, World DNA and Genome Day Conference, Dalian, China

May 2005, Department of Biochemistry and Molecular Genetics, University of Illinois

May 2005, Department of Pathology Biology of Aging Series, University of Washington

July 2005, ASCB Meeting: Nuclear Architecture and Disease, Ames, Iowa

July 2005, Department of Physiology and Biophysics, University of Iowa, Iowa City, Iowa

September 2005, EMBO Conference: Nuclear Structure and Dynamics, Montpellier, France

October 2005, Gerontological Society of America Annual Meeting, Orlando, Florida

January 2006, Gordon Research Conference: Biology of Aging, Ventura, California

February 2006, Seminar in Molecular Medicine, University of Texas at San Antonio

March 2006, IFOM – The FIRC Institute for Molecular Oncology, Milan, Italy

April 2006, Functional Genomics of Ageing Meeting, Palermo, Italy

April 2006, Searle Scholars Meeting, Chicago, Illinois

July 2006, Seminar, Buck Institute for Age Research, Novato, California

July 2006, Ellison Biology of Aging Course, Marine Biological Laboratories, Woods Hole, Massachusetts

September 2006, American Federation for Aging Research Annual Meeting, Santa Barbara, California

October 2006, Annual Fascioscapulohumeral muscular dystrophy (FSHD) International Research Consortium, New Orleans, Louisiana

October 2006, Nathan Shock Center Conference on Aging: Nutrient Signaling and Aging, Bandera, Texas

January 2007, Seminar, Ben May Institute for Cancer Research, University of Chicago

January 2007, Nutrition, Exercise and Neurodegeneration, Verbier, Switzerland

February 2007, Seminar, Department of Biochemistry, University of Utah School of Medicine

February 2007, Seminar, Department of Cell Biology, Johns Hopkins Medical Institute

April 2007, Seminar, Department of Biochemistry and Biophysics, Texas A&M, College Station, Texas

June 2007, AGE Meeting, San Antonio, Texas

June 2007, FASEB Meeting on Histone Deacetylases, Snowmass, Colorado

July 2007, International NGFN Symposium – Inflammatory Diseases of Barrier Organs, Kiel, Germany

August 2007, International Chromosome Conference, Amsterdam, The Netherlands

August 2007, Seminar at Friedrich Miescher Institute, Basel, Switzerland

September 2007, 3rd Fabisch Symposium – Nuclear envelope in Aging, Cancer and Disease, Berlin, Germany

September 2007, Biology of Ageing, Stockholm, Sweden

November 2007, Nutrient Signaling and Aging, Buck Institute for Age Research, Novato, CA

January 2008, Seminar, Huffington Center on Aging, Baylor College of Medicine, Houston, Texas

February 2008, Seminar at Department of Bioengineering, UC Berkeley,

February 2008, Seminar at Department of Medicine, UCLA

March 2008, Seminar at Department of Biochemistry, Albert Einstein College of Medicine

April 2008, Metabolic Pathways of Longevity, Copper Mountain, Colorado

May 2008, Seminar at the Wistar Institute, Philadelphia

May 2008, Seminar at the University of Rochester

June 2008, Cell Growth and the TOR Pathway, Les Treilles, France

July 2008, International Congress on Genetics, Berlin, Germany

September 2008, 12th Evolutionary Biology Meeting, Marseille, France

December 2008, American Society of Cell Biology Meeting, San Francisco

January 2009, EMBO Workshop - The Multiple Faces of Lamins in Ageing and Disease, Vienna

January 2009, Salk/Nature/Ipsen Symposium on Biological Complexity: Processes of Aging, La Jolla, California

February 2009, Seminar at the University of Colorado School of Medicine, Denver

March 2009, Seminar at Fox Chase Cancer Center, Philadelphia

March 2009, Seminar at Jackson Labs, Bar Harbor, Maine

April 2009, Seminar at the University of Washington Department of Pharmacology

April 2009, ASBMB Meeting, New Orleans

April 2009. Seminar at the University of Colorado, Boulder

May 2009, The Future of Aging Research – Aging 2020: Just Around the Corner, Nathan Shock Center Symposium, Ann Arbor, Michigan

May 2009, Vincent Cristofalo Rising Star in Aging Research Award Lecture, American Aging Association, Phoenix

June 2009, Sigrid Juselius Foundation Symposium, Aging, Neurodegeneration and Mitochondria, Helsinki, Finland

September 2009, Epigenetic Regulation of Aging and Functional Consequences, Santa Barbara, California

September 2009, Seminar at the Department of Biochemistry and Molecular Biology, SUNY Upstate Medical University, New York

September 2009, National Advisory Council on Aging, National Institute of Aging, Bethesda, Maryland

October 2009, Symposium of the Biology of Aging, Guangdong Medical College, Dongguan, China

October 2009, KRIBB Conference – Current Topics in Aging Research, Korea Research Institute of Bioscience and Biotechnology, Daejeon, Korea

October 2009, SNU Global Research Frontiership, Path-breaking Discovery and Technology for Human Longevity, Seoul National University, Seoul, Korea

November 2009, Buck Symposia, Systems Biology of Aging, Novato, California

February 2010, Barshop Institute for Longevity and Aging Studies, San Antonio, Texas

March 2010, Department of Genetics, Yale University, Connecticut

April 2010, Département de biochimie, Montreal, Quebec

May 2010, The New Science of Ageing, The Royal Society, London

May 2010, Mini-symposium on Chromatin and Epigenetics, Shanghai Institute of Biochemistry and Cell Biology, Chinese Academy of Sciences

May 2010, Guangdong Medical College, Zhanjiang, China

May 2010, The Cutting Edge Science in Aging Research, Seoul, Korea

June 2010, American Aging Association meeting, Portland, OR

June 2010, AFAR Grantee Conference, Santa Barbara, CA

June 2010, Glenn Meeting, Santa Barbara, CA

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

July 2010, Chinese Academy of Sciences, Beijing, China

July 2010, Guangdong Medical College, Dongguan, China

July 2010, Tenth International Symposium on Neurobiology and Neuroendocrinology of Aging, Bregenz, Austria

September 2010, NIA Nathan Shock Award lecture, Baltimore, MD

September 2010, Johns Hopkins Medical School Department of Physiology, Baltimore, MD

September 2010, National Institute on Aging Symposium - Genetic and Molecular Basis of Longevity: Past, Present and Future, Bethesda, MD

September 2010, MYOAGE Conference, Split, Croatia

September 2010, CSHL Meeting: The Molecular Genetics of Aging, Cold Spring Harbor, New York

October 2010, San Antonio Nathan Shock Aging Center Conferences on Aging – mTOR in Aging and Aging-related Diseases

November 2010, Yonsei University – Systems Biology of Aging Research, Seoul, Korea

November 2010, Korean Federation of Science and Technology – Translational Approaches to Aging, Puyeo, Korea

November 2010, Radboud University Nijmegen Medical Centre – New Frontiers in Bioenergetics, Nijmegen, The Netherlands

November 2010, 9th Annual Sanford-Burnham Poster Symposium Keynote Speaker, San Diego, CA

December 2010, Salk Institute / Glenn Foundation for Aging Research – Using Aging Research to Explore New Biology, San Diego, CA.

December 2010, American Society of Cell Biology Annual Meeting, Philadelphia, PA

December 2010, Andrus Gerontology Center, USC, Los Angeles, CA

January 2011, The Croucher Advanced Study Institute – Fundamental Biology of Aging and Aging Disorders, Hong Kong, China

January 2011, Power-Aging Symposium, Seoul, Korea

February 2011, Genomics Research Institute of the Novartis Foundation, San Diego, CA

February 2011, Department of Medicine, Washington University, St. Louis

March 2011, Department of Genetics, Stanford University, Palo Alto, CA

March 2011, Cell Symposium – Metabolism and Aging, Hyannis, MA

March 2011, Model Systems of Ageing, CECAD Cologne, Germany

April 2011, Trinations Aging Symposium, Dongguan, China

April 2011, Department of Nutritional Science and Toxicology, UC Berkeley, CA

May 2011, Symposium on Epigenetics and Aging, University of Pennsylvania, Philadelphia, PA

July 2011, The Science of Ageing – Global Progress, Brighton, UK

September 2011, Molecular mechanisms of muscle growth and wasting in health and

Disease, Ascona, Switzerland

October 2011, Symposium on Genetics of Aging and Life History, POSTECH, Korea

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

January 2012, Genetic Analysis of Functional Aging Symposium, Sanford-Burnham Institute, La Jolla, CA

February 2012, Session Chair, Gordon Research Conference on Biology of Aging, Ventura, CA

March 2012, Department of Biochemistry and Molecular Biology, Baylor School of Medicine, Houston, TX

March 2012 Nathan Shock Center Symposium, Biogerontology with a Backbone: Jumping Up from the Shoulders of Invertebrates, Ann Arbor, Michigan

April 2012, 2nd International Conference on the Genetics of Aging and Longevity, Moscow, Russia

May 2012, 15th Annual Brown Colloquium on the Biology of Human Aging, Brown University, Providence, Rhode Island

May 2012, Symposium, Personalized Medicine 5.0: The Role of Epigenetics, San Francisco State University, San Francisco, CA

June 2012, 41st American Aging Association Meeting, Ft. Worth, TX

June 2012, Novartis Scientific Seminar Series, Boston, MA

July 2012, Minisymposium, Aging and Vascular Aging, Peking University, Beijing, China

August 2012, Scientific Symposium in Honor of Leonard Guarente, Cambridge, MA

September 2012, Dept. of Physiology, University of Kentucky College of Medicine, Lexington, KY

October 2012, EMBO Symposium: Germline Immortality through Totipotency, Heidelberg, Germany

December 2012, Gladstone Institutes, San Francisco, CA

December 2012, Moscow Institute of Physics and Technology, Moscow, Russia

January 2013, International Workshop on the “Challenges Facing Chile Due to its Accelerated Aging Population, Santiago, Chile

February 2013 Netherlands Consortium for Healthy Ageing: Adding healthy years to the human lifespan, The Hague, Netherlands

February 2013, Kazakhstan National Medical University, Almaty, Kazakhstan

March 2013, Department of Internal Medicine Grand Rounds, Southern Illinois University School of Medicine, Springfield, IL

March 2013, Bay Area Yeast and Other Fungi Symposium, Berkeley, CA

April 2013, Progeria Research Foundation Workshop, Bethesda, MD

May 2013, Pontifica Universidad Catolica de Chile, Santiago, Chile

May 2013, Universidad de Chile, Santiago, Chile

May 2013, UMMC Health, Ekaterinburg, Russia

June 2013, Paul F. Glynn Symposium of the Biology of Aging, Santa Barbara, CA

June 2013, Joint British Atherosclerosis Society and the British Society of Cardiovascular Research Meeting: New Frontiers in Cardiovascular Science, London, UK.

June 2013, Keynote Lecture, The 20th World Congress on Gerontology and Geriatrics, Seoul, Korea

June 2013, Korea Research Institute of Bioscience and Biotechnology, Daejeon, Korea

July 2013, Gordon Research Conference – Stress Proteins in Growth, Development and Disease, West Dover, VT.

August 2013, Keynote Lecture, Swedish American Life Science Summit 2013, Stockholm, Sweden

September 2013, The Croucher Advanced Study Institute – The Biology of Aging, Hong Kong, China

September 2013, Cold Spring Harbor Meeting – The Molecular Biology of Aging, Suzhou, China

October 2013, Keynote Lecture, Ettore Majorana Foundation International School of Pharmacology, Erice, Sicily, Italy.

October 2013. Keynote Lecture, Advances in Geroscience: Impact on Healthspan and Chronic Disease, Bethesda, MD

November 2013, San Francisco State University, San Francisco, CA

November 2013, Gerontological Society of America Annual Scientific Meeting, New Orleans, LA.

December 2013, World Stem Cell Summit, San Diego, CA

December 2013, Department of Molecular, Cellular and Developmental Biology, Yale University, New Haven, CT.

January 2014, Institute of Molecular Biosciences, University of Graz, Graz, Austria

February 2014, Glenn Labs for the Biology of Aging, Stanford University, Palo Alto, CA

March, 2014, Mayo Clinic Kogod Center on Aging, Rochester, MN

April 2014, 3rd conference on Genetics of Aging and Longevity, Sochi Russia

April 2014, “Translation technologies of life extension” Workshop, Moscow Institute of Physics and Technology, Moscow, Russia

May 2014, “Preparing for an Aging World: Living beyond 100” The University of Arizona Miraval Institute, Tucson, Arizona

May 2014, Biology and Aging Workshop 2014, Jupiter, FL

May 2014, Longevity Consortium Workshop 2014, Arlington, VA

May 2014, BIO KOREA 2014 Ilsandong-gu, Korea

May 2014, International Symposium on Inauguration of the CHA Bio Complex, Pangyo, Korea

June 2014, Gordon Research Conference – Intermediate Filaments, West Dover, VT

June 2014, Busan City Hall Senior Expo, Busan, Korea

June 2014, 2014 Korea, USA, Japan International Forum on Healthy Aging, Busan, Korea

June 2014, Molecular Inflammation Research Center for Aging Intervention (MRCA), Pusan National University, Busan, Korea

July 2014, British Society for Research on Ageing, Liverpool, UK

July 2014, Biomedical Neuroscience Institute, University of Chile, Santiago, Chile

August 2014, Ellison Medical Foundation, Woods Hole, MA

September 2014, Biology of Human Aging Conference, Oropesa, Spain

September 2014, MipTec, International Symposium on Geroprotectors, Basel, Switzerland

October 2014, Keynote Lecture, Pittsburgh-Munich International Lung Conference, UPMC, Pittsburgh, PA

December 2014, Texas A&M University, College Station, TX

January 2015, Institute of Aging Visiting Scholar, University of Pennsylvania, Philadelphia, PA

January 2015, North American Veterinary Conference, Orlando, FL

January 2015, Personalized Medicine World Conference, Mountain View, CA

January 2015, Western Association of Physicians Symposium, Carmel, CA

February 2015, Fusion Conference, Interventions in Aging, Cancun, Mexico

February 2015, EMBO Workshop on the Regulation of Aging and Proteostasis, Ma’Ale Hachamisha, Israel

February 2015, Jean Mayer Human Nutrition Research Center on Aging at Tufts University, Boston MA.

March 2015, Vanderbilt University, Nashville, TN

March 2015, University of Colorado, Denver, CO

March 2015, Keystone Symposium, Biology of Sirtuins, Santa Fe, New Mexico

March 2015, TURYAK 2015 International Congress on Longevity, Istanbul, Turkey

April 2015, Systems Biology of Aging Grantee Meeting, Bethesda, Maryland

May 2015, Aging Research Day, University of Rochester, Rochester, NY

May 2015, Albert Einstein College of Medicine, New York, NY

May 2015, Oslo Cancer Research Institute, Oslo, Norway

May 2015, AGE Meeting, Los Angeles, CA

June 2015, Paul F. Glenn Workshop on the Biology of Aging, Santa Barbara, CA

June 2015, The role of metabolism in ageing and ageing-related disease, Fondation des Treilles, France

July 2015, Gordon Conference, *The Translational Science of Aging: From Functional Pathways to Interventions*, Newry, ME

July 2015, Department of Health and Human Services Healthy Aging Summit, Washington, D.C

August 2015, Rejuvenation Biotechnology Conference, Burlingame, CA

August 2015, National Institute of Aging Workshop: Pathways of Human Aging, Bethesda, MD

September 2015, Cold Spring Harbor Meeting – The Molecular Biology of Aging and Disease, Suzhou, China

September 2015, Basel Life Sciences week, MipTec Symposium on Aging and Drug Discovery, Basel, Switzerland

September 2015, Keynote Lecture, Annual Meeting, American College of Clinical Pharmacology, San Francisco, CA

October 2015, 6th Annual Alliance for Health Aging Conference, Northumberland, England.

October 2015, Keynote address: First Emei Mountain International Anti-aging Healthcare Industry Development Forum, Emei Mountainside Qiliping, China

October 2015, Biology of Aging Conference, Singapore

October 2015, 37th SBP Annual Symposium, Aging and Regeneration

October 2015, 37th SBP Annual Symposium, Aging and Regeneration, La Jolla, CA

November 2015, Gerontological Society of America Annual Scientific Meeting, Orlando, FL

December 2015, St. Louis University, St. Louis, MO

December 2015, FDA Inaugural Geroscience Seminar Series, Silver Spring, MD

**Public Lectures**

November 2010, Buck Institute Community Lecture Series, Novato CA

March 2011, Commonwealth Club, Novato, CA

March 2011, Buck Institute Science in the City Lecture Series, San Francisco, CA

May 2011, TEDx Antananarivo: 4AWOMAN: CANCER PROTECTION FOR AFRICAN WOMEN, Madagascar

November 2011, Buck Institute Science in the City Lecture Series, Seattle, WA

December 2011, Buck Institute Community Seminar, Mill Valley, CA

January 2012, Aging and Preventative Medicine, San Salvador, El Salvador

March 2012, Hadassah San Francisco Chapter, Novato, CA

November 2012, Buck Advisory Council Meeting, Muscat, Oman

December 2012, Buck Institute Community Seminar, *From the Lab to the Bedside: What’s new in the quest for healthy aging.* Mill Valley, CA

December 2012, Buck Institute Seminar, *Aging and Alzheimer’s Disease A Path to a Cure by 2025.* Novato, CA

January 2013, TEDx Maui, *Live Healthy Longer: Healthspan vs. Lifespan*, Hawaii

April 2013, Chicago Council for Global Affairs, Chicago, IL

May 2013, The Burrill and Buck Aging Meeting, The Sciences of Aging, Novato, CA

September 2013, Knowledge Stream Lectures Online, Russia – Forecast for Tomorrow - *Aging 2.0*

October 2013, Buck Advisory Council Meeting, Lisbon, Portugal

January 2014, Pacific Union Club, San Francisco

February 2014, Commonwealth Club Marin Conversations, with Dean Ornish, Mill Valley, CA.

May 2014, Dean’s Advisory Council, University of Buffalo School of Management, San Diego, CA

May 2014, Buck Advisory Council Meeting, Novato, CA

July 2014, Rotary Club, San Rafael, CA

August 2014, Albuquerque International Association, Albuquerque, New Mexico

October 2014, Buck Advisory Council Meeting, Bodrum, Turkey

December 2014, The Middle East Family Office and Investment Conference, Campden Wealth, Abu Dhabi, UAE

December 2014, 5th Bosphorus Summit, Istanbul, Turkey

February 2015, Book Passage Event – Healthy Mind Cookbook, Novato, CA

February 2015, Sonoma Community Foundation, Sonoma CA

May 2015, Buck Advisory Council Meeting, Novato, CA

July 2015, Grain of Salt Group, St. Petersburg, Russia

October 2015, Buck Advisory Council Meeting, Singapore

October 2015, Ascent Private Capital Management Entrepreneurs and Innovators Meeting, Half Moon Bay, CA

Participation in Grant Review Panels

2006 - 2012 Cellular Mechanisms of Aging and Development Study Section, NIH/CSR

2006 - 2012 American Federation for Aging Research Grants

2007 NIH R13 Conference Grants Study Section

2008 American Federation for Aging Research Postdoctoral grants

2009 NIH Grand Opportunity Applications

2010 - 2012 Chair, Cellular Mechanisms of Aging and Development Study Section, NIH/CSR

2010 - NIA Interventions Testing Program Access Committee

2012 NIA Program Project Review Panel

2012 NHLBI-DIR, Board of Scientific Counselors Scientific Review

2012 NIH SBIR Small Business: Cell, Computational, and Molecular Biology Review Panel

2014 Chair, NIH Cellular Biology Topics Panel

2015 NIH CSR Comparison Pilot Study

2015 NIH CSR Comparison Pilot Study

2015 Chair, NIA Program Project Review Panel (x2)

2015 NIA U34 Panel, Epigenetic Analyses of Aging as a Risk Factor for Multiple Chronic Conditions

Ad Hoc review for 14 other funding agencies.

**Ad Hoc Journal Review**

Ageing Research Reviews Journal of Biological Chemistry

Aging Cell Immunology Letters

American Journal of Pathology Journal of Biological Engineering

American Journal of Physiology Journal Cell Biology

- Heart and Circulatory Physiology Journal of Cell Science

BBA - Molecular and Cellular Biology Journal of Clinical Investigation

of Lipids Journal of Experimental Medicine

Biochemical Journal Journal of Gerontology

Biological Reviews Journal of Translational Medicine

BMC Medical Genetics Cell Mechanisms of Ageing and Development

Cell and Molecular Life Sciences Metabolism

Cell Metabolism Molecular & Cellular Biology

Cell Reports Molecular & Cellular Probes

Cell Research Molecular Biology of the Cell

Cell Stem Cell Molecular Cell

Cell Systems Molecular Endocrinology

Circulation Molecular Therapy

Circulation Research Nature

Clinical Genetics Nature Cell Biology

Current Biology Nature Communications

Developmental Biology Nature Protocols

Developmental Cell Nature Reviews MCB

eLife Neuroscience

EMBO Journal NPJ: Aging and Mechanisms of Disease

Endocrine-Related Cancer Nucleic Acids Research

Evolution Nucleus

Experimental Gerontology Oncogene

Experimental Cell Research PLoS Biology

FASEB Journal PLoS Genetics

FEBS Journal PLoS ONE

Food and Chemical Toxicity Proc. Natl. Acad. Sci., USA

Frontiers in Bioscience Proc. of the Indian Natl. Sci. Acad.

Genes & Development Rejuvenation Research

Genome Research Science

Gerontology Science Translational Medicine

Hormone Research Trends in Cell Biology

Human Molecular Genetics Trends in Molecular Medicine

**Teaching – University of Washington**

**Buck Institute**

2015 Lecture in GERO 602A – Seminars on Discovery in Biogerontology for Buck-USC Ph.D. students.

**University of Washington**

2002 – 2009 HuBio514 – Biochemistry for Medical students

2002 – 2009 Biochemistry 542 - Graduate literature review

2004 – 2005 BIOC533 – Minicourse on Nuclear Organization for graduate students

### Other Professional Activities

2006,08,10,11 Lecturer, Molecular Biology of Aging Program, Woods Hole Marine Biological Laboratory

2006 - Associate Editor, Journal of Gerontology: Biological Sciences

2007 - 2010 Executive Committee, Genetic Approaches to Aging Training Grant, University of

Washington

2009 Genetics and Cell Biology Subcommittee, NIA Division of Aging Biology Report

2009 - Editorial Board, *Cell Cycle*

2009 - Editorial Board, *Aging Cell*

2011 - co-Editor in Chief, *Aging Cell*

2011 co-Organizer, 1st Trinations Aging Symposium, Dongguan, P.R. China

2011 co-Organizer, Power-Aging Symposium, Seoul, Korea

2012 co-Organizer, Stem Cell Research and Aging, Buck Institute, Novato, CA

2012 - Scientific Advisory Board, CAS-MPG Partner Institute for Computational Biology, PICB, Shanghai

2012 - Scientific Advisory Board, Akbaraly Foundation, Madagascar

2012 - Scientific Advisory Board, Max Planck Institute for Biology of Ageing, Cologne, Germany

2012 - Review Editor, *Frontiers in Genetics of Aging*

2013, 2015 co-Organizer, CSH Asia – Molecular Basis of Aging and Disease, Suzhou, China

2013 - Scientific Advisory Committee, FSH Society – Facioscapulohumeral Muscular Dystrophy

2014 - Scientific Advisory Board, Nutritional Research Foundation

2014 co-Organizer, 3rd Conference on Genetics of Aging and Longevity, Sochi, Russia

2014 - Editorial Board, *Health Systems and Reform*

2014 - Buck Institute for Research on Aging Board of Trustees

2014 - American Aging Association Board of Directors

2015 co-Organizer, Fusion Conference, Interventions in Aging, Cancun Mexico

2015 Chair, Strategic Plan for Aging Research Institute, Mexico City, Mexico

2015 - Editorial Board, *Bulletin of Ural Medical Academic Science*

2015 Chairman, Board of Directors, Mt. Tam Biotechnologies

2015 - Advisory Committee of the International Anti-aging Healthcare Industry Experimental Area in Emei Mountainside Qiliping, China

2015 Associate Editor, *Handbook on Theories of Aging*

2015 External Advisory Committee, Robert and Arlene Kogod Center on Aging, Mayo Clinic

**Patents**

U.S. Patent No. 7,622,271 Identification of Aging Genes Through Large-Scale Analysis

U.S. Patent No. 6,787,300 Identifying lifespan-altering agents

U.S. Patent Nos. 5,874,210, 5; 5,919,618; 6,218,512

Genes determining cellular senescence in yeast

**Company**

2012 Co-Founder, Delos Pharmaceuticals

2014 Co-Founder, Nuvicta, Inc.

2015 - Board Chairman, Mt. Tam Biotechnologies

**Student Training**

**Thesis students**

Maria Konovalenko, 2015 -

Chris Burtner, 2005 – 2010 (Postdoctoral Fellow – Fred Hutchinson Cancer Research Center)

Steven Chen, 2007 – 2012 (Postdoctoral Fellow – UCSF)

Richard Frock, 2001 – 2009 (Postdoctoral Fellow – Harvard Medical School)

Brian Kudlow, 2002 – 2007 (Scientist – Thermo Fisher Scientific)

Damian Lee, 2001 – 2008 (Postdoctoral Fellow – University of British Columbia)

Ryan Nitta, 2001 – 2007 (Postdoctoral Fellow – Stanford University)

Tom Schmidlin, 2004 – 2012 (Postdoctoral Fellow – University of Washington)

Kristan Steffen, 2003 – 2009 (Postdoctoral Fellow – UC Berkeley)

**Masters students**

Christopher Pobre, 2011 – 2012

Denise Ortiz, 2012 - 2014

**Postdoctoral Fellows**

Regina Brunauer, Ph.D., 2011 -

Chong He, Ph.D., 2012 -

Yuehmei Hsu, Ph.D., 2015 -

Chen-Yu Liao, Ph.D., 2011 -

Mark McCormick, Ph.D., 2010 –

Shih-yin Tsai Ph.D., 2009 –

Lindus Conlan, Ph.D., 2004 – 2006 (Research Officer, St. Vincent’s Institute of Medical Research Australia)

Mike Garelick, Ph.D., 2009 – 2012 (Postdoctoral Fellow, NYU)

Katherine Hughes, Ph.D., 2009 – 2015 (Mt. Holyoke College)

Joseph Marx, Ph.D., 2005 – 2007 (Employee – FBI)

Monique O’Leary Ph.D., 2007 – 2015 (University of Michigan)

Erica Smith, Ph.D., 2003 – 2006 (Research Assistant Professor – Northwestern University Med. School)

**Publications (in reverse chronological order)**

1. McCormick, M.A., Delaney, J.R., Tsuchiya, M., Tsuchiyama, S., Shemorry, A., Sim, S., Chou, A.C.-Z., Ahmed, U., Carr, D., Murakami, C.J., Schleit, J., Sutphin, G.L., Wasko, B.M., Bennett, C.F., Wang, A.M., Olsen, B., Beyer, R.P., Bammler, T.K., Prunkard, D., Johnson, S.C., Pennypacker, J.K., An, E., Anies, A., Castanza, A.S., Choi, E., Dang, N., Enerio, S., Fletcher, M., Fox, L., Goswami, S., Higgins, S.A., Holmberg, M.A., Hu, D., Hui, J., Jelic, M., Jeong, K.-S., Johnston, E., Kerr, E.O., Kim, D., Kim, J., Kirkland, K., Klum, S., Kotireddy, S., Liao, E., Lim, M., Lin, M.S., Lo, W.C., Lockshon, D., Miller, H.A., Moller, R.M., Muller, B., Oakes, J., Pak, D.N., Peng, Z.J., Pham, K.M., Pollard, T.G., Pradeep, P., Pruett, D., Rai, D., Robison, B., Rodriguez, A.A., Ros, B., Sage, M., Singh, M.K., Smith, E.D., Snead, K., Solanky, A., Spector, B.L., Steffen, K.K., Tchao, B.N., Ting, M.K., Vander Wende, H., Wang, D., Welton, K.L., Westman, E.A., Brem, R.B., Liu, X.-G., Suh, Y., Zhou, Z., Kaeberlein, M. and **Kennedy, B.K**. 2015. A comprehensive analysis of replicative lifespan in 4,698 single-gene deletion strains uncovers novel mechanisms of aging. *Cell. Metab.* 22: 895-906. PMID: 26456335.
2. Nyström, T., **Kennedy, B.K**. and Osiewacz, H.D. 2015. Microbial Models. In J. Vijg, J. Campisi and G. Lithgow (Eds.) Molecular and Cellular Biology of Aging. Chapter 3.
3. **Kennedy, B.K.**, Kaeberlein, M. and Partridge, L. 2015. Small Metazoans. In J. Vijg, J. Campisi and G. Lithgow (Eds.) Molecular and Cellular Biology of Aging. Chapter 4.
4. Tsai, S., Sitzmann, J.M., Dastidar, S.G., Rodriguez, A.A., Vu, S.L., McDonald, C.E., Academia, E.C., O’Leary, M.N., Ashe, T.D., La Spada, A.R. and **Kennedy B.K**. 2015. Activated muscle 4E-BP1 signaling improves metabolic parameters during aging and obesity. *J. Clin. Invest.* 125: 2952-2964. PMID: 26121750.
5. Longo, V.D., Antebi, A., Bartke, A., Barzilai, N., Brown-Borg, H.M., Caruso, C., Curiel, T.J., de Cabo, R., Franceschi, C., Gems, D., Ingram, D.K., Johnson, T.E., **Kennedy, B.K.**, Kenyon, C., Klein, S., Kopchick, J.J., Lepperdinger, G., Madeo, F., Mirisola, M.G., Mitchell, J.R., Passarino, G., Rudolph, K.L., Sedivy, J.M., Shadel, G.S., Sinclair, D.A., Spindler, S.R., Suh, Y., Vijg, J., Vinciguerra, M., and Fontana, L. 2015. Interventions to slow aging in humans: Are we ready? *Aging Cell*, 14: 497-510. PMID: 25902704.
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National Institute on Aging

Nutrient signaling and stem cell maintenance in aging epithelia

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National Institute on Aging

System approaches to determine mechanisms underlying yeast replicative aging

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The Ellison Medical Foundation

Enhanced Longevity Associated with Altered Ribosome Function

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Small Molecule Aging Intervention in Progeria

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1 R01 AG024287-01 (Kennedy-PI) 08/15/04 – 07/31/14

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Novel Longevity Functions of Sir2

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