

Curriculum Vitae

Anne Brunet, PhD

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Education

1992 BS Biology, Ecole Normale Supérieure, Paris, France
1992–1997 PhD, Dr Jacques Pouysségur's laboratory, University of Nice, France
1998–2003 Post-doctoral training, Dr Michael Greenberg's laboratory, Harvard Medical School, MA

Professional Experience

09/1992–12/1997 Graduate student, Jacques Pouysségur's laboratory, University of Nice, France
01/1998–12/2003 Post-doctoral fellow, Michael Greenberg's laboratory, Harvard Medical School, MA
02/2004–02/2011 Assistant Professor of Genetics, Stanford University, CA
02/2011–12/2014 Associate Professor of Genetics, Stanford University, CA
12/2014–present Professor of Genetics, Stanford University, CA
01/2011–present Co-director of the Paul F. Glenn Laboratories for the Biology of Aging at Stanford
2015-present Michele and Timothy Barakett Professor of Genetics, Stanford University

Honors and Awards

1992 BS *summa cum laude*
1993–1997 Pre-doctoral fellowship, Ecole Normale Supérieure
1993 EMBO Short-Term Fellowship
1997 EMBO Long-Term Post-Doctoral Fellowship
1998–2000 Human Frontier Science Program Post-Doctoral Fellowship
2000 Medical Foundation Post-Doctoral Fellowship
2000–2002 Goldenson-Berenberg Post-Doctoral Fellowship, Harvard Medical School
2003 Radcliffe Institute for Advanced Studies Fellowship
2003 Lacaze-Policart Lacassagne Prize (French Academy of Science)
2005 Pfizer/AFAR Innovation in Aging Research Award
2005 Klingenstein Award in the Neurosciences
2005 Ellison Medical Foundation New Scholar Award (awarded)
2005 Damon Runyon Scholar Award (awarded)
2006 Sloan Research Fellowship
2006 Brain Tumor Foundation Award
2007 Glenn Award for Research in Biological Mechanisms of Aging
2007 McCormick Award for Women in Science
2008 California Institute of Regenerative Medicine New Faculty Award
2009 NARSAD Young Investigator Award
2009 Ellison Medical Foundation Senior Scholar Award
2010 Mentoring Award from the Stanford University Post-doctoral Association
2012 Vincent Cristofalo "Rising Star" Award in Aging Research

2012	NIH Director Pioneer Award
2014	Bennett J. Cohen Award for Research in Aging
2015	Michele and Timothy Barakett Endowed Professorship

Professional Service

Advisory Panels and Editorial Boards

2007-present	Reviewer for the American Federation for Aging Research (AFAR)
2011-2013	Reviewer for the Ellison Medical Foundation
2010-2012	Ad Hoc Reviewer for NIH Program Projects
2012-2015	Permanent Member of NIH Study Section (CMAD)
2015-2016	Chair of NIH Study Section (CMAD)
2011-present	Member of <i>Faculty of 1000</i>
2009-present	Editorial Board, <i>Aging</i>
2011-present	Editorial Board, <i>Longevity & Healthspan</i>
2012-present	Editorial Board, <i>Aging Cell</i>
2015-present	Editorial Board, <i>Cell Reports</i>
2017-present	Editorial Board, <i>Genes & Development</i>

Meeting Organization

2013	NIH Geroscience Summit – Epigenetics and aging session
2014	Cold Spring Harbor Laboratory Meeting – PTEN Pathway and Targets
2015	Les Treilles Foundation – Aging and metabolism
2015	International Society for Stem Cell Research committee
2016	Keystone Symposium – Epigenetics and Metabolic Regulation of Aging
2016	Cell Symposium – Metabolism and Aging
2016	Cold Spring Harbor Laboratory Meeting – PI3K/mTOR/PTEN Network

Invited Lectures

Talks at National or International Meetings

2004	Upstate Cell Signaling Symposium. Dundee, Scotland
2004	Cell Press Symposium, Aging and Human Disease Meeting. Italy
2004	Stowers Institute for Medical Research. Kansas City, MO
2005	Kavli Institute for Theoretical Physics Symposium, Networks in Growth, Death, and Aging. Santa Barbara, CA
2005	University of Texas South Western. Dallas, TX
2006	Cold Spring Harbor Meeting, PTEN pathways. Cold Spring Harbor, NY
2006	ASBMB meeting. San Francisco, CA
2006	CNIO Cancer Conference, PTEN and the AKT route. Madrid, Spain
2006	Gordon Conference, Phosphorylation and G-protein mediated signaling networks. Biddeford, Me
2006	20 th IUBMB International Congress of Biochemistry and Molecular Biology and 11 th FAOBMB Congress. Kyoto, Japan
2006	Steiner Foundation Meeting. Brunnen, Switzerland
2006	Cold Spring Harbor Laboratory. Cold Spring Harbor, NY
2006	University of California Irvine. Irvine, CA
2006	University of California, San Diego. San Diego, CA
2007	Keystone Symposium, Cell Signaling and Proteomics. Steamboat Spring, CA
2007	American Association for Cancer Research Annual Meeting. Los Angeles, CA

2007 Xth International Symposium on Insulin Receptors and Insulin Action. Stockholm, Sweden

2007 The New York Academy of Science, The PI3K-PTEN-AKT-TOR Signaling Pathway in Cancer, Metabolism, and Aging. New-York, NY

2007 FASEB Summer Research Conference, Obesity, Energy Balance and Disease. Indian Wells, CA

2007 The 4th Key Symposium, The Biology of Ageing. Stockholm, Sweden

2007 Buck Institute Symposium, Nutrient Signaling and Aging. Novato, CA

2008 Keystone Symposium, Metabolic Pathways of Longevity. Copper Mountain, CO

2008 American Diabetes Association. San Francisco, CA

2008 International Symposium on Olfaction and Taste. San Francisco, CA

2008 California Institute of Regenerative Medicine Annual Meeting. San Francisco, CA

2008 Cold Spring Harbor Meeting on the Genetics of Aging. Cold Spring Harbor, NY

2008 Harvard/California meeting on Stem Cell Biology. Los Angeles, CA

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

2008 University of Utah. Salt Lake City, UT

2008 Buck Institute for Age Research. Novato, CA

2008 Massachusetts General Hospital, Harvard Medical School. Boston, 2009

2009 Gordon Research Conference, Biology of Aging. Ventura, CA

2009 Gordon Research Conference, Signal Transduction within the Nucleus. Ventura, CA

2009 Keystone Symposium, PI3-kinase signaling in disease. Olympic Valley, CA

2009 Banbury Meeting, Molecular Biology of Sirtuins. The Banbury Center, NY

2009 Brown University '09 Colloquium. Brown University, RI

2009 American Aging Association, 38th Annual Meeting. Scottsdale, AZ

2009 CNIO Cancer Conference, The Energy of Cancer. Madrid, Spain

2009 Buck Institute Symposium, Systems Biology of Aging. Novato, CA

2008 Rockefeller Institute. New-York City, NY

2009 Gladstone Institute. San Francisco, CA

2009 Harvard Medical School, Department of Pathology. Boston, MA

2009 Duke University. Durham, NC

2009 University of Cologne, Germany

2010 Cellular Stress and Aging Symposium. University of North Carolina, NC

2010 Keystone Symposium, New Insights into Healthspan and Diseases of Aging. Tahoe City, CA

2010 Cold Spring Harbor Meeting, PTEN Pathways and Targets. Cold Spring Harbor, NY

2010 Signaling and Cellular Regulation Symposium, University of Boulder, CO

2010 Paul Glenn Symposium, Biology of Aging, Santa Barbara, CA

2010 Keynote Speaker, Signaling Quebec 2010, Canada

2010 Ellison Medical Foundation Annual Meeting, Woods Hole, MA

2010 Gordon Conference on Aging, Les Diablerets, Switzerland

2010 AMPK: Central Regulatory System in Metabolism & Growth, FASEB Conference, Kyoto, Japan

2010 Cancer Metabolism, Barcelona Biomed Conference, Spain

2010 Symposium Nijmegen, The Netherlands

2010 Glenn Symposium, Salk Institute
 2010 University of Strasbourg, France
 2010 University of Utrecht, The Netherlands
 2010 National Cancer Institute. Amsterdam, The Netherlands
 2010 UC Irvine, CA
 2010 Burnham Institute, CA
 2010 Curie Institute, Paris, France
 2010 University of Pennsylvania, Philadelphia, PA
 2011 Genome, Cancer & Ageing Symposium, 3rd Monaco Age Oncology
 2011 The forefront of therapeutic approaches to Neurodegeneration: Age
 modifiers, proteostasis, and stem cells, The Bahamas
 2011 Gordon Conference, Oxidative Stress & Disease, Ventura, CA
 2011 Gordon Conference, Signal Transduction within the nucleus, Ventura, CA
 2011 Keynote Speaker at the Retreat for MD Anderson, TX
 2011 French American Biotechnology Symposium, Approaches of Aging, San
 Francisco, CA
 2011 3rd Else Kröner-Fresenius Symposium on Molecular Mechanisms
 of Stem Cell Aging, Germany
 2011 The 24th Sigrid Juselius Symposium on post-translational modification
 networks as survival determinant, Espoo, Finland
 2011 The Paul F. Glenn Symposium on Aging, Boston, MA
 2011 FASEB Summer Research Conference, Epigenetics, Chromatin &
 Transcription, Snowmass, CO
 2011 Gordon Conference, Epigenetics, Easton, MA
 2011 Stem Cells in Development and Disease, Berlin, Germany
 2011 Rostock Symposium on System Biology and Bioinformatics in Ageing
 Research, Rostock, Germany
 2011 Symposium on Genetics of Aging and Life History, Pohang, Korea
 2011 EMBO Molecular Medicine Conference on Molecular Insights for
 innovative therapies, Heidelberg, Germany
 2011 Gladstone, UCSF, San Francisco, CA
 2011 Stowers Institute for Medical Research, Kansas City, MO
 2011 Washington University, St-Louis, MO
 2011 University of Washington, Seattle, WA
 2011 Harvard Medical School, Childrens Hospital, Boston, MA
 2011 University of California, Berkeley, CA
 2011 University of California, San Francisco, CA
 2011 University of Southern California, Los Angeles, CA
 2011 University of San Antonio, San Antonio, TX
 2012 Keystone Symposium, Stem Cells, Squaw Valley, CA
 2012 Keystone Symposium, Organ Regeneration, Breckenridge, CO
 2012 Spector Prize lecture Symposium, Columbia University, NY
 2012 Cell Press LabLinks meeting on Neural Stem Cells, San Francisco, CA
 2012 ASBMB meeting, San Diego, CA
 2012 AGE meeting, Fort Worth, TX
 2012 Meeting Fondation Les Treilles, France
 2012 Wilsede Meeting, Wildsede, Germany
 2012 Cold Spring Harbor Meeting on the Genetic and Molecular mechanisms
 of aging, Cold Spring Harbor, NY
 2012 9th Nestlé International Nutrition Symposium, Lausanne, Switzerland
 2012 Keystone Symposia Aging and Disease of Aging, Tokyo, Japan

2012 Stem Cells and Metabolism Abcam, La Jolla, CA
2012 Weill Cornell Medical School, New-York, NY
2012 Sloan Kettering, New-York, NY
2012 Gurdon Institute, Cambridge, UK
2012 Babraham Institute, Cambridge, UK
2012 Joslin Diabetes Center, Boston, MA
2013 Council Meeting, NIA, Washington, DC
2013 Epigenetic Symposium, University of Pennsylvania, Philadelphia, PA
2013 Miami 2013 Winter Symposium, Miami, FL
2013 Keystone Symposia Stem Cell Regulation in Homeostasis and Disease, Banff, Canada
2013 Keystone Symposia Epigenetic Marks and Cancer, Santa Fe, NM
2013 NCI Symposium Epigenetics in Development, Bethesda, MD
2013 First Cologne Aging Conference, Cologne, Germany
2013 V Else Kröner-Fresenius Symposium Adult Stem Cell in Aging, Wartburg, Germany
2013 25th Pezcoller Symposium, Metabolism and Tumorigenesis, Trento, Italy
2013 Gordon Conference Developmental Biology, Lucca, Italy
2013 Ellison Medical Foundation Symposium, Woods Hole, MA
2013 Gordon Conference on Aging, Lucca, Italy
2013 14th Annual Skirball Symposium, Metabolism – from molecules to behavior, New-York, NY
2013 JB Little Symposium – Harvard School of Public Health, Boston, MA
2013 Advances in Geroscience: Impact on healthspan and chronic diseases, NIH, Bethesda, MD
2013 Abcam meeting – Chromatin Structure and function, Grand Cayman Island
2013 Cold Spring Harbor Laboratories, Cold Spring Harbor, NY
2013 Columbia University, NY
2013 MIT, Boston, MA
2013 Brandeis, Boston, MA
2013 Pasteur Institute, Paris, France
2013 Koshland Lecture, UC Berkeley, CA
2013 Albert Einstein College of Medicine, NY
2014 Keystone Meeting – Tumor metabolism, Whistler, Canada
2014 Cold Spring Harbor Meeting PTEN, Cold Spring Harbor, NY
2014 Keystone Meeting – Epigenetic Programming and Inheritance, MA
2014 Yale University, New Haven, CT
2014 Cornell University, Ithaca, NY
2014 Gordon Conference Meeting – Phosphorylation and G-protein mediated signaling network, Biddeford, ME
2014 Beatson International Cancer Conference, Scotland
2014 EMBL meeting metabolism, Heidelberg, Germany
2014 University of Michigan, Ann Arbor, MI
2014 University of California at San Diego, San Diego, CA
2014 University of Utah, Salt Lake City, UT
2015 Aging Symposium, Burnham Institute, San Diego, CA
2015 World Economic Forum, Davos, Switzerland
2015 Fusion Conference – Intervention in Aging, Cancun, Mexico
2015 Gordon Conference – Stem Cells and Cancer, Ventura, CA
2015 Les Treilles Symposium – Physiology, Les Treilles, France

2015 EMBO Workshop on Developmental Circuits in Aging, Heraklion, Crete
 2015 Cold Spring Harbor Meeting, 21st Century Genetics – Genes at Work, NY
 2015 Les Treilles Symposium – The Role of Metabolism in Ageing and Ageing
 Related Disease, Les Treilles, France
 2015 Gordon Conference - Developmental Biology, South Hadley, MA
 2015 FASEB–Transcription, Chromatin, and Epigenetics, West Palm Beach, FL
 2015 Gordon Conference - Biology of Aging, Newry, ME
 2015 Cold Spring Harbor Meeting - Mitochondria and Cancer, NY
 2015 Cold Spring Harbor Asia - Molecular Basis of Aging and Disease, China
 2015 Janelia Conference – Behavioral Epigenetics, Ashburn, VA
 2015 Stanford Neuroscience Institute Symposium, Stanford, CA
 2015 ABCAM – Epigenetics, Obesity and Metabolism, Cambridge, UK
 2015 Jacques Monod Conference – Comparative Biology of Aging, France
 2015 UCSF, San Francisco, CA
 2015 University of Colorado, Aurora, CO
 2015 ABCAM – Chromatin: Structure and Function 2015, Grand Cayman
 Island
 2016 Stem Cell Symposium - Seattle, WA
 2016 Keystone Symposium – Noncoding RNAs in Health and Disease, NM
 2016 Keystone Symposium – Chromatin regulation in cancer, Whistler, Canada
 2016 Development Symposium – Chicago, IL
 2016 Baylor College of Medicine, Houston, TX
 2016 Rockefeller University, New-York, NY
 2016 Princeton University, Newark, NJ
 2016 UT Southwestern, Dallas, TX
 2016 Stowers Institute for Medical Research, Kansas City, MO
 2016 Keystone Symposium – Epigenetic and Metabolic Regulation of Aging
 and Aging-related Diseases, Santa Fe, NM
 2016 Department of Cell Biology, Harvard Medical School, Boston, MA
 2016 ISSCR Stem Cell meeting, San Francisco, CA
 2016 Cell Symposium – Transcriptional Regulation in Development and
 Disease, Chicago, IL
 2016 University of Wisconsin-Madison – Aging, Metabolism, Stress,
 Pathogenesis and Small RNAs in *C. elegans*, Madison, WI
 2016 SDB-ISD International Conference, Boston, MA
 2016 EMBL Conference – Transcription and Chromatin, Heidelberg,
 Germany
 2016 Cold Spring Harbor Laboratory – Mechanisms of Aging, NY
 2016 Cold Spring Harbor Laboratory – Germ Cells, NY
 2016 ITMAT International Symposium, Philadelphia, PA
 2016 University of Dundee - Cell Signaling Lecture, Scotland, UK
 2016 GSA Pre-Conference Session - A Phylogenetic View of Interventions
 in Aging, New Orleans, LA
 2016 Miami Epigenetics and Cancer Symposium, Miami Beach, FL
 2016 NIH Common Fund High-Risk, High-Reward Research Symposium,
 Bethesda, MD
 2017 Strategic Conference of Zebrafish Investigators, Pacific Grove, CA
 2017 Scripps Florida Symposium – The Biology of Aging, Jupiter, FL
 2017 Gordon Research Conference – Stem Cells & Cancer, Lucca, Italy
 2017 Fusion Conference – Interventions in Aging, Cancun, Mexico
 2017 Sloan Kettering Institute, New York, NY

2017	Yale University School of Medicine, New Haven, Connecticut
2017	Harvard University, T.H. Chan School of Public Health, Boston, MA
2017	Harvard University, Department of Molecular & Cellular Biology, Cambridge, MA
2017	ASBMB Annual Meeting, Chicago, IL
2017	EMBO Conference - Advances in Stem Cells and Regenerative Medicine, Heidelberg, Germany
2017	UCSF – DSCB Symposium, San Francisco, CA
2017	Pasteur Institute – Developmental & Stem Cell Biology, Paris, France
2017	Cold Spring Harbor Laboratory – Genome Engineering: The CRISPR/Cas Revolution, Cold Spring Harbor, NY
2017	Marine Biological Laboratory Friday Evening Lecture, Woods Hole, MA
2017	FASEB – Reversible Acetylation on Health and Disease, Big Sky, MT
2017	QB3 Berkeley – Rewriting Genomes, Berkeley, CA
2017	EMBO Meeting – Gene regulatory mechanisms in neural fate decisions, San Juan de Alicante, Spain
2017	Foresight Institute – Atomic Precision for Healthspan and Longevity, Palo Alto, CA
2017	Scripps Research Institute – The TSRI Distinguished Cell and Molecular Biology Lecture Series, La Jolla, CA
2017	Molecular Biology of Ageing Meeting, Groningen, The Netherlands
2017	Chan Zuckerberg Biohub, San Francisco, CA
2017	Broad Institute – Cell Circuit and Epigenomics Seminar, Cambridge, MA
2017	Whitehead Institute Seminar Series, Cambridge, MA
2017	Stanford University – Inflammation, Aging and Chronic Disease Conference, Stanford, CA
2018	Wellcome Genome Campus – Healthy Ageing: From Molecules to Organisms, Hinxton, Cambridge, UK
2018	Keystone Conference – Cancer Epigenetics: New Mechanisms, New Therapies, Breckenridge, CO
2018	Fusion Conference – Neuroepigenetics and Neuroepitranscriptomics, Cancun, Mexico

Research Support

Current Research Support

2016-2021	NIH R01 Sponsor: NIH Title: Link between epigenetic modifiers and fat metabolism for healthy aging Role: PI
2017-2018	Glenn Foundation for Medical Research The Paul F. Glenn Center for Biology of Aging Research at Stanford University Role: Co-PI
2017-2018	NIH P01

Sponsor: NIH
Title: Molecular Regulation of Stem Cell Aging
Role: Co-PI

2017-2019 Zaffaroni Alzheimer's Research Fund
Title: Developing the African killifish as a new system to model the age-dependency, genetics, and spread of Alzheimer's disease.
Role: Co-PI

2017-2022 NIH R01
Sponsor: NIH
Title: Discovery of protein aggregates during vertebrate aging and neurodegeneration
Role: PI

2017-2022 NIH R01
Sponsor: NIH
Title: Proteostasis in the aging brain
Role: PI

Past Research Support

2005-2007 Pfizer/AFAR Innovation in Aging Research Award
Sponsor: Pfizer/American Foundation for Aging Research
Title: Role of FOXO Transcription Factors In Mammalian Longevity
Role: PI

2005-2008 Klingenstein Fellowship Award in Neuroscience
Sponsor: Klingenstein Fund
Title: Role of the FOXO Family of Forkhead Transcription Factors In the Nervous System
Role: PI

2006-2008 Fellowship Award Brain Tumor Society
Sponsor: Brain Tumor Society
Title: Defining the role of Foxo transcription factors and Sirt1 deacetylase in suppressing glioblastoma
Role: PI

2006-2008 Sloan Research Fellowship
Sponsor: Alfred P. Sloan Foundation
Title: Does the Nervous System Regulate Overall Longevity?
Role: PI

2006-2008 Investigator-initiated Research Grant
Sponsor: American Institute for Cancer Research
Title: AMPK: a mediator of caloric restriction's ability to suppress cancer
Role: PI

2007-2009 Paul Glenn Foundation Award
Sponsor: Paul Glenn Foundation
Role: PI

2007-2009 McCormick Award
Sponsor: McCormick Foundation

	Title: Defining the interaction between FOXO and the tumor suppressor p53 in cells and in mice Role: PI
2008-2010	NIH R21 AG030464 Sponsor: NIH (NIA) Title: An unbiased search for genes underlying longevity in a short-lived fish model Role: PI
2005-2010	NIH R01 AG026648 Sponsor: NIH (NIA) Title: Forkhead transcription factors in the stress response Role: PI
2009-2011	Investigator Award Sponsor: NARSAD Title: Role of FOXO6 in cognitive function and mood regulation during aging Role: PI
2012-2013	SINTN Seed Grant Funding Title: Circuit-level understanding of age-dependent decline in hippocampal memory Role: Co-Investigator with Mark Schnitzer
2009-2013	Ellison Senior Scholar Award Sponsor: Ellison Medical Foundation Title: Role of Longevity Genes in Reprogramming Somatic Cells into Pluripotent Stem Cells Role: PI
2008-2013	California Institute of Regenerative Medicine New Faculty Award Sponsor: CIRM Title: Molecular mechanisms involved in adult neural stem cell maintenance Role: PI
2011-2016	NIH P01 Sponsor: NIH (NIA) Title of project: Mechanisms of neural stem cell regulation during aging Title of core: Genomics and ultra high throughput sequencing Role: Co-Investigator (PI: Tom Rando)
2011-2016	NIH P01 Sponsor: NIH Title: Effect of age and longevity genes on epigenomic mechanisms of reprogramming Role: Co-Investigator with Joseph Wu (PI: Mike Snyder)
2013-2016	Basic Biology Award Sponsor: CIRM

Title: Energy metabolism and aging pathways in human stem cell reprogramming and differentiation
Role: PI

2011-2017 NIH P01
Sponsor: NIH
Title: Molecular Regulation of Stem Cell Aging
Role: Co-PI

2009-2017 NIH R56
Sponsor: NIH
Title: Molecular Mechanisms Underlying Lifespan Extension by Environmental Stimuli
Role: PI

2012-2017 Pioneer Award
Sponsor: NIH Director's Fund
Title: Transgenerational epigenetic inheritance of longevity
Role: PI

Publications

H index: 61 – based on Google Scholar, 02/23/2018

Total number of citations: 32,755 – based on Google Scholar, 02/23/2018

Peer-Reviewed Journal Articles

1. Lenormand P, Sardet C, Pagès G, L'Allemain G, **Brunet A** and Pouyssegur J (1994) Growth factors induce nuclear translocation of MAP kinases (p42mapk and p44mapk) but not their activator MAP kinase kinase (p45mapkk) in fibroblasts. *J Cell Biol*, 122: 1079-1088.
2. Pagès G*, **Brunet A***, L'Allemain G and Pouyssegur J (1994) Constitutive mutant and putative regulatory serine phosphorylation site of mammalian MAP kinase kinase (MEK1). *EMBO J*, 13: 3003-3010. *: both authors have contributed equally to the work.
3. **Brunet A**, Pagès G and Pouyssegur J (1994) Constitutively active mutants of MAP kinase kinase (MEK1) induce growth factor-relaxation and oncogenicity when expressed in fibroblasts. *Oncogene*, 9: 3379-3387.
4. **Brunet A***, Pagès G* and Pouyssegur J (1994) Growth factor-stimulated MAP kinase induces rapid retrophosphorylation and inhibition of MAP kinase kinase (MEK1). *FEBS Lett*, 346: 299-303. *: both authors have contributed equally to the work.
5. Papin C, Eychène A, **Brunet A**, Pagès G, Pouyssegur J, Calothy G and Barnier JV (1995) B-Raf protein isoforms interact with and phosphorylate MEK-1 on serine residues 218 and 222. *Oncogene*, 10: 1647-1651.
6. Pagès G, Stanley ER, Le Gall M, **Brunet A** and Pouyssegur J (1995) The mouse p44 mitogen-activated protein kinase (extracellular signal-regulated kinase 1) gene. *J Biol Chem*, 270: 26986-26992.
7. **Brunet A** and Pouyssegur J (1996) Identification of MAP kinase domains by re-directing stress signals into growth factor responses. *Science*, 272: 1652-1655.
8. Lavoie JN, L'Allemain G, **Brunet A**, Müller R and Pouyssegur J (1996) Cyclin D1 expression is regulated positively by the p42/p44MAPK and negatively by the p38/HOG MAPK pathway. *J Biol Chem*, 271: 20608-20616.

9. Brondello JM, **Brunet A**, Pouyssegur J and McKenzie FR (1997) The dual specificity Mitogen-activated protein kinase phosphatase-1 and-2 are induced by the p42/p44MAPK cascade. *J Biol Chem*, 272: 1368-1376.
10. Briant L, Robert-Hebmann V, Sivan V, **Brunet A**, Pouyssegur J and Devaux C (1998) Involvement of extracellular signal-regulated kinase module in HIV-mediated CD4 signals controlling activation of nuclear factor-kappa B and AP-1 transcription factors. *J Immunol*, 160: 1875-1885.
11. Englaro W, Bertolotto C, Busca R, **Brunet A**, Pagès G, Ortonne J-P and Ballotti R (1998) Inhibition of the mitogen-activated protein kinase pathway triggers B16 melanoma cell differentiation. *J Biol Chem*, 273: 9966-9970.
12. Lenormand P, Brondello J-M, **Brunet A** and Pouyssegur J (1998) Growth factor-induced p42/p44 MAPK nuclear translocation and retention requires both MAPK activation and neosynthesis of nuclear anchored proteins. *J Cell Biol*, 142: 625-633.
13. **Brunet A**, Roux D, Lenormand P, Dowd S, Keyse S and Pouyssegur J (1999) Nuclear translocation of p42/p44 mitogen-activated protein kinase is required for growth factor-induced gene expression and cell cycle entry. *EMBO J*, 18: 664-674.
14. **Brunet A**, Bonni A, Zigmond MJ, Lin MZ, Juo P, Hu LS, Anderson MJ, Arden KC, Blenis J, Greenberg ME (1999) Akt promotes cell survival by phosphorylating and inhibiting a Forkhead transcription factor. *Cell*, 96: 857-868.
15. Bonni A, **Brunet A**, West AE, Datta SR, Takasu MA, Greenberg ME (1999) Cell survival promoted by the Ras-MAPK signaling pathway by transcription-dependent and transcription-independent mechanisms. *Science*, 286: 1358-1362.
16. Nichols A, Camps M, Gillieron C, Chabert C, **Brunet A**, Wilsbacher J, Cobb M, Pouyssegur J, Shaw JP, Arkinstall S (2000) Substrate recognition domains within extracellular signal-regulated kinase mediate binding and catalytic activation of mitogen-activated protein kinase phosphatase-3. *J Biol Chem*, 275: 24613-24621.
17. **Brunet A**, Park J, Tran H, Hu LS, Hemmings BA, Greenberg ME (2001) The protein kinase SGK mediates survival signals by phosphorylating the Forkhead transcription factor FKHRL1/FOXO3a. *Mol Cell Biol*, 21: 952-965.
18. Shin I, Bakin AV, Rodeck U, **Brunet A**, Arteaga CL (2001) Transforming growth factor beta enhances epithelial cell survival via Akt-dependent regulation of FKHRL1. *Mol Biol Cell*, 12: 3328-3339.
19. **Brunet A***, Kanai F*, Stehn J, Xu J, Sarbassova D, Frangioni D, Dala JV, DeCaprio JA, Greenberg ME and Yaffe MB (2002) 14-3-3 Transits to the Nucleus and Actively Participates in Dynamic Nucleo-Cytoplasmic Transport. *J Cell Biol*, 156: 817-828 *: both authors have contributed equally to the work.
20. Tran H*, **Brunet A***, Grenier JM, Datta SR, Fornace Jr AJ, DiStefano PS, Chiang LW and Greenberg ME (2002). DNA repair pathway stimulated by the Forkhead transcription factor FOXO3a (FKHRL1) through the GADD45 protein. *Science*, 296: 530-534. *both authors have contributed equally to the work.
21. Chou FL, Hill JM, Hsieh JC, Pouyssegur J, **Brunet A**, Glading A, Uberall F, Ramos JW, Werner MH and Ginsberg MH (2003) PEA-15 binding to ERK1/2 MAP kinases is required for its modulation of integrin activation. *J Biol Chem*, 278: 52587-52597.
22. **Brunet A**, Sweeney LB, Sturgill FJ, Chua KF, Greer PL, Lin Y, Tran H, Ross SE, Mostoslavsky R, Cohen H, Hu LS, Cheng H-L, Jedrychowsky M, Gygi SP, Sinclair DA, Alt FW, Greenberg ME (2004) Stress-Dependent Regulation of FOXO transcription factors by the SIRT1 Deacetylase. *Science*, 303: 2011-2015.
23. Greer EL, Dowlatshahi D, Banko MR, Hoang K, Blanchard D, and **Brunet A** (2007) An AMPK FOXO pathway mediates the extension of lifespan induced by a novel method of

dietary restriction in *C. elegans*. **Curr Biol**, 17: 1646-1656.

24. Greer EL, Oskoui PR, Banko MR, Maniar JM, Gygi MP, Gygi SP, and **Brunet A** (2007) The energy sensor AMP-activated protein kinase directly regulates the mammalian FOXO3 transcription factor. **J Biol Chem**, 282: 30107-30119.
25. Greer EL and **Brunet A** (2009) Different dietary restriction regimens extend lifespan by both independent and overlapping genetic pathways in *C. elegans*. **Aging Cell**, 8: 113-127.
26. Renault VM, Rafalski VA, Morgan AA, Salih DAM, Brett JO, Webb AE, Villeda SA, Thekkat PU, Guilleroy C, Denko NC, Palmer TD, Butte AJ, and **Brunet A** (2009) FoxO3 regulates neural stem cell homeostasis. **Cell Stem Cell**, 5: 527-539.
27. Valenzano DR, Kirschner J, Kamber RA, Zhang E, Weber D, Cellerino A, Englert C, Platzer M, Reichwald K and **Brunet A** (2009) Mapping loci associated with tail color and sex determination in the short-lived fish *Nothobranchius furzeri*. **Genetics**, 183: 1385-1395.
28. de la Torre-Ubieta L, Gaudillière B, Yang Y, Ikeuchi Y, Yamada T, DiBacco S, Stegmüller J, Schüller U, Salih DA, Rowitch D, **Brunet A** and Bonni A (2010) A FOXO-Pak1 transcriptional pathway controls neuronal polarity. **Genes & Dev**, 8: 799-813.
29. Greer EL, Maures TJ, Hauswirth AG, Green EM, Leeman DS, Maro, GS, Han S, Banko MR, Gozani O and **Brunet A** (2010) Members of the H3K4 trimethylation complex regulate lifespan in a germline-dependent manner in *C. elegans*. **Nature**, 466: 383-387.
30. Renault VM, Thekkat PU, Hoang KL, White JL, Brady CA, Kenzelmann Broz D, Venturelli OS, Johnson TM, Oskoui PR, Xuan Z, Santo EE, Zhang MQ, Vogel H, Attardi LD, **Brunet A** (2011) The pro-longevity gene FoxO3 is a target of the p53 tumor suppressor. **Oncogene**, 30: 3207-3221.
31. Brett JO, Renault VM, Rafalski VA, Webb AE and **Brunet A** (2011) The microRNA cluster miR-106b~25 regulates adult neural stem and progenitor cell proliferation and neuronal differentiation. **Aging**, 3: 108-124.
32. Arnold CP, Tan R, Zhou B, Yue SB, Schaffert S, Biggs JR, Doyonnas R, Lo MC, Perry JM, Renault VM, Sacco A, Somerville T, Viatour P, **Brunet A**, Cleary ML, Li L, Sage J, Zhang DE, Blau HM, Chen C, and Chen CZ. (2011) MicroRNA programs in normal and aberrant stem and progenitor cells. **Genome Res**, 21: 798-810.
33. Maures TJ, Greer EL, Hauswirth AG, and **Brunet A** (2011). H3K27 demethylase UTX-1 regulates *C. elegans* lifespan in a germline-independent, insulin-dependent, manner. **Aging Cell**, 10: 980-990.
34. Greer EL, Maures TJ, Ucar D, Hauswirth AG, Mancini E, Lim JP, Benayoun BA, Shi Y and **Brunet A** (2011) Transgenerational epigenetic inheritance of longevity in *Caenorhabditis elegans*. **Nature**, 479: 365-371. **Full article**.
35. Banko MR, Allen JJ, Schaffer BE, Wilker EW, Tsou P, White JL, Villen J, Wang B, Kim SR, Sakamoto K, Gygi SP, Cantley LC, Yaffe MB, Shokat KM and **Brunet A** (2011) Chemical genetic screen for AMPK α 2 substrates uncovers a network of proteins involved in mitosis. **Mol Cell**, 44:878-892.
36. Valenzano DR, Sharp S and **Brunet A** (2011) Transposon-mediated transgenesis in the short-lived African killifish *Nothobranchius furzeri*, a vertebrate model for aging. **G3, Genes Genome Genetics**, 1: 531-538. **Cover article**.
37. Calnan DR, Webb AE, White JL, Stowe TR, Goswami T, Shi X, Espejo A, Bedford MT, Gozani O, Gygi SP, and **Brunet A** (2012) Methylation by Set9 modulates FoxO3 stability and transcriptional activity. **Aging**, 4: 462-79.
38. Salih DA, Rashid AJ, Colas D, de la Torre-Ubieta L, Zhu RP, Morgan, AA, Santo EE, Cole CJ, Madison DV, Shamloo M, Butte AJ, Bonni A, Josselyn SA and **Brunet A** (2012) FoxO6 regulates memory consolidation and synaptic function. **Genes & Dev**, 26: 2780-801.

39. Rafalski VA, Ho PO, Brett JO, Ucar D, Dugas JC, Pollina EA, Chow LML, Ibrahim A, Baker SJ, Barres BA, Steinman L, and **Brunet A** (2013) Expansion of oligodendrocyte progenitor cells upon SIRT1 inactivation in the adult brain. *Nat Cell Biol*, 15: 614-624. **Full article.**
40. Liu L, Cheung TH, Charville GW, Hurgo BM, Leavitt T, Shih J, **Brunet A**, and Rando TA (2013) Chromatin Modifications as Determinants of Muscle Stem Cell Quiescence and Chronological Aging. *Cell Rep*, 4: 189-204.
41. Webb AE, Pollina EA, Vierbuchen T, Urban N, Ucar D, Leeman D, Sewak M, Rando TA, Guillemot F, Wernig M, and **Brunet A** (2013) Genome-wide interaction between the pro-longevity factor FOXO3 and the neuronal determinant ASCL1 in adult neural stem/progenitor cells. *Cell Rep*, 4: 477-491.
42. Wapinski OL, Vierbuchen T, Qu K, Lee QY, Chanda S, Fuentes DR, Giresi PG, Ng YH, Marro S, Neff NF, Drechsel D, Martynoga B, Castro DS, Webb AE, Südhof TC, **Brunet A**, Guillemot F, Chang HY, Wernig M (2013) Hierarchical mechanisms for direct reprogramming of fibroblasts to neurons. *Cell*, 155: 621-635.
43. Maures TJ, Booth LN, Benayoun BA and **Brunet A** (2014) Males shorten the life span of *C. elegans* hermaphrodites via secreted compounds. *Science* 343: 541-544.
44. Gopinath SD, Webb AE, **Brunet A** and Rando TA (2014) FOXO3 promotes quiescence in adult muscle stem cells during the process of self-renewal. *Stem Cell Reports*, 2: 414-426.
45. Benayoun BA, Pollina EA, Ucar D, Mahmoudi S, Karra K, Wong E, Devarajan K, Daugherty AC, Kundaje A, Mancini E, Rando TA, Snyder MP, Baker JC, Cherry M and **Brunet A** (2014) H3K4me3 breadth is linked to cell identity and transcriptional consistency. *Cell*, 158: 673-688.
46. Kareta MS, Gorges LL, Hafeez S, Benayoun BA, Marro S, Zmoos AF, Cecchini MJ, Spacek D, Batista LF, O'Brien M, Ng YH, Ang CE, Vaka D, Artandi SE, Dick FA, **Brunet A**, Sage J, Wernig M (2015) Inhibition of pluripotency networks by the Rb tumor suppressor restricts reprogramming and tumorigenesis. *Cell Stem Cell*, 16: 39-50.
47. Harel I, Benayoun BA, Machado M, Singh PP, Hu CK, Pech MF, Valenzano DR, Zhang E, Sharp SC, Artandi SE and **Brunet A** (2015) A Platform for rapid exploration of aging and diseases in a naturally short-lived vertebrate. *Cell*, 160: 1013-26
48. Li YH, Luo J, Mosley YC, Hedrick VE, Paul LN, Chang J, Zhang G, Wang YK, Banko MR, **Brunet A**, Kuang S, Wu JL, Chang CJ, Scott MP, Yang JY (2015) AMP-Activated Protein Kinase Directly Phosphorylates and Destabilizes Hedgehog Pathway Transcription Factor GLI1 in Medulloblastoma. *Cell Rep*, 12: 599-609
49. Schaffer BE, Levin RS, Hertz NT, Maures TJ, Schoof ML, Hollstein PE, Benayoun BA, Banko MR, Shaw RJ, Shokat KM and **Brunet A** (2015) Identification of AMPK Phosphorylation Sites Reveals a Network of Proteins Involved in Cell Invasion and Facilitates Large-Scale Substrate Prediction. *Cell Metab*, 22: 907-921.
50. Pech MF, Garbuzov A, Hasegawa K, Sukhwani M, Zhang RJ, Benayoun BA, Brockman SA, Lin S, **Brunet A**, Orwig KE, Artandi SE (2015) High telomerase is a hallmark of undifferentiated spermatogonia and is required for maintenance of male germline stem cells. *Genes & Dev*, 29: 2420-34.
51. Valenzano DR, Benayoun BA, Singh PP, Zhang E, Etter PD, Hu CK, Clement-Ziza M, Willemsen D, Cui R, Harel I, Machado BE, Yee, MC, Sharp SC, Bustamante CD, Beyer A, Johnson EA, and **Brunet A** (2015) The African turquoise killifish genome provides insights into evolution and genetic architecture of lifespan. *Cell*, 163: 1539-1554.

52. Webb AE, Kundaje A and **Brunet A** (2016). Characterization of the direct targets of FOXO transcription factors throughout evolution. *Aging Cell*, 15: 673-685.
53. Ahlenius H, Chanda S, Webb AE, Yousif I, Karmasin J, Prusiner SB, **Brunet A**, Sudh f TC and Wernig M (2016). FoxO3 regulates neuronal reprogramming of cells from postnatal and aging mice. *Proc Natl Acad Sci*, 113: 8514-8519.
54. Harel I, Valenzano DR and **Brunet A** (2016). Efficient genome engineering approaches for the short-lived African turquoise killifish. *Nature Protocols*, 10: 2010-2028.
55. Dulken BW, Leeman DS, Boutet SC, Hebestreit K and **Brunet A** (2017). Single-cell transcriptomic reveals heterogeneity and transcriptional dynamics in the neural stem cell lineage. *Cell Rep*, 18: 777-790.
56. Han S, Schroeder EA, Silva-Garcia CG, Hebestreit K, Mair WB and **Brunet A** (2017). Mono-unsaturated fatty acids link H3K4me3 modifiers to *C. elegans* lifespan. *Nature*, 544: 185-190. **Full article.**
57. Theret M, Gsaier L, Schaffer B, Juban G, Ben Larbi S, Weiss-Gayet M, Bultot L, Collodet C, Foretz M, Desplanches D, Sanz P, Zang Z, Yang L, Vial G, Viollet B, Sakamoto K, **Brunet A**, Chazaud B, Mounier R (2017). AMPK α 1-LDH pathway regulates muscle stem cell self-renewal by controlling metabolic homeostasis. *EMBO J*, 36: 1946-1962.
58. Tan MH, Li Q, Shanmugam M, Piskol R,...Pollina EA, Leeman DS,...**Brunet A**, Conrad DF, Samuel CE, O'Connell MA, Walkley CR, Nishikura K and Li JB (2017). Dynamic landscape and regulation of RNA editing in mammals. *Nature*, 550: 249-254.
59. Daugherty AC, Yeo RW, Buenrostro JD, Greenleaf WJ, Kundaje A, and **Brunet A** (2017). Chromatin accessibility dynamics reveal novel functional enhancers in *C. elegans*. *Genome Research*, 27: 2096-2107
60. Leeman DS, Hebestreit K, Ruetz T, Webb AE, McKay A, Pollina EA, Dulken BW, Zhao X, Yeo RW, Ho TT, Mahmoudi S, Devarajan K, Passequ  E, Rando TA, Frydman J, and **Brunet A** (2018). Lysosome activation clears aggregates and enhances quiescent neural stem cell activation during aging *Science*, 359: 1277-1283.

Invited Reviews and Commentaries

1. **Brunet A**, Brondello JM, L'Allemain G, Lenormand P, McKenzie F, Pag s G and Pouyssegur J (1995) MAP kinase module: role in the control of cell proliferation *C R Seances Soc Biol*, 189: 43-57
2. **Brunet A** (1998) Signal transduction from membrane to the nucleus: variation on common themes. *Bull Cancer*, 85: 527-537
3. Datta SR, **Brunet A** and Greenberg ME (1999) Cellular survival: a play in three Akts. *Genes & Dev*, 13: 2905-2927.
4. **Brunet A**, Datta SR and Greenberg ME (2001) Transcription-dependent and -independent control of neuronal survival by the PI3K-Akt signaling pathway. *Curr Opin Neurobiol*, 11: 297-305.
5. Tran H, **Brunet A**, Griffith E, and Greenberg ME (2003) The Many Forks in FOXO's Road. *Sci STKE*, 172: RE5.
6. Greer EL, and **Brunet A** (2005) FOXO transcription factors at the interface between longevity and tumor suppression. *Oncogene*, 24:7410-7425.
7. Carter, ME, and **Brunet A** (2007) FOXO transcription factors. *Curr Biol*, 7: R113-114.
8. **Brunet A** and Rando T (2007) Aging: From stem to stern. *Nature*, 449: 288-289.

9. **Brunet A** (2007) Aging and cancer: killing two birds with one worm. *Nature Genetics*, 39: 1306-1307.
10. Greer EL and **Brunet A** (2008) FOXO transcription factors in ageing and cancer. *Acta Physiol*, 192: 19-28.
11. Greer EL and **Brunet A** (2008) Signaling networks in aging. *J Cell Sci*, 121: 407-412.
12. Calnan DR and **Brunet A** (2008) The FoxO code. *Oncogene*, 27: 2276-2288.
13. Salih DAM and **Brunet A** (2008) FoxO transcription factors in the maintenance of cellular homeostasis during aging. *Curr Opin Cell Biol*, 20: 126-136.
14. Greer EL, Banko MR and Brunet A (2009) AMP-activated protein kinase and FoxO transcription factors in dietary restriction-induced longevity. *Ann NY Acad Sci*, 1170: 688-692.
15. **Brunet A** (2009) Cancer: When restriction is good. *Nature*, 458: 713-714.
16. Rafalski V and **Brunet A** (2011) Energy metabolism in adult neural stem cell fate. *Prog Neurobiol*, 93: 182-203
17. Pollina EA and **Brunet A** (2011) Epigenetic regulation of aging stem cells. *Oncogene* 30: 3105-26
18. **Brunet A** (2011) A CRTCal link between energy and life span. *Cell Metab*, 13: 358-360.
19. Han S and **Brunet A** (2012) Histone methylation: making its mark on longevity. *Trends in Cell Biol*. 22: 42-9.
20. Mahmoudi S and **Brunet A** (2012) Aging and reprogramming: a two-way street. *Curr Opinion in Cell Biol*, 24: 744-756.
21. Rafalski VA, Mancini E and **Brunet A** (2012) Energy metabolism and energy-sensing pathways in mammalian embryonic and adult stem cell fate. *J Cell Science*, 125: 5597-608.
22. Lim JP and **Brunet A** (2013) Bridging the transgenerational gap with epigenetic memory. *Trends in Genetics*, 29:176-186.
23. Webb AE and **Brunet A** (2013) FOXO flips the longevity SWItch. *Nat Cell Biol*, 15: 444-6.
24. Leeman DS and **Brunet A** (2014) Stem cells: Sex specificity in the blood. *Nature*, 505:488-490.
25. Webb AE and **Brunet A** (2014) FOXO transcription factors: key regulators of cellular quality control. *Trends Biochem Sci*, 39: 159-169.
26. **Brunet A**, Berger SL (2014) Epigenetics of aging and aging-related disease. *J Gerontol A Biol Sci Med Sci Suppl*, 1: S17-20.
27. Kennedy BK, Berger SL, **Brunet A**, Campisi J, Cuervo AM, Epel ES, Franceschi C, Lithgow GJ, Morimoto RI, Pessin JE, Rando TA, Richardson A, Schadt EE, Wyss-Coray T, and Sierra F (2014) Geroscience: linking aging to chronic disease. *Cell*, 159:709-713.
28. Han S and **Brunet A** (2015) Cell biology: Lysosomal lipid lengthens life span. *Science*, 347: 32-33.
29. Dulken B, **Brunet A** (2015) Stem Cell Aging and Sex: Are We Missing Something? *Cell Stem Cell*, 16:588-90.
30. Booth LN, **Brunet A** (2015) Shockingly early: Chromatin-mediated loss of the heat shock response. *Mol Cell*, 59:515-6.
31. Schroeder EA, **Brunet A** (2015) Lipid Profiles and Signals for Long Life. *Trends Endocrinol Metab*, 26(11):589-92.
32. Benayoun BA, Pollina EA, **Brunet A** (2015) Epigenetic regulation of aging: linking environmental inputs to genomic stability. *Nat Rev Mol Cell Biol*, 16:593-610.
33. Harel I, **Brunet A** (2015) The African Turquoise Killifish: A Model for Exploring Vertebrate Aging and Diseases in the Fast Lane. *Cold Spring Harb Symp Quant Biol*, In Press.
34. Hardie DG, Schaffer BE, **Brunet A** (2016) AMPK: An Energy-Sensing Pathway with Multiple

Inputs and Outputs. *Trends Cell Biol*, 26(3):190-201.

35. Yeo R and **Brunet A** (2016). Deconstructing dietary restriction: a case for systems approaches in aging. *Cell Metab*, 23:395-96.
36. Booth LN and **Brunet A** (2016). The aging epigenome. *Molecular Cell*, 62:728-44.
37. Mahmoudi S and **Brunet A** (2016). Burst of reprogramming: a path to extend lifespan? *Cell*, 167:1672-1674.
38. **Brunet A** and Rando T (2017). Interaction between epigenetic and metabolism in stem cell aging. *Current Opinion in Cell Biology*, doi: 10.1016/j.ceb.2016.12.009
39. Kao AW, McKay A, Singh PP, **Brunet A**, Huang EJ (2017). Progranulin, lysosomal degradation and neurodegenerative disease. *Nature Rev Neuroscience*, doi:10.1038/nrn.2017.36.
40. Russell JJ, Theriot JA, Sood P, Marshall WF, Landweber LF, Fritz-Laylin L, Polka JK, Oliferenko S, Gerbich T, Gladfelter A, Umen J, Bezanilla M, Lancaster MA, He S, Gibson MC, Goldstein B, Tanaka EM, Hu CK, **Brunet A** (2017) *BMC Biol*, 15: 55.
41. Dulken BW and **Brunet A** (2018). Same path, different beginnings. *Nature Neuroscience*, published online: 25 January, 2018, <https://doi.org/10.1038/s41593-017-0063-3>.

Book Chapters

1. **Brunet A** and Pouysségur J (1997) Mammalian MAP kinase modules: how to transduce specific signals. *Essays Biochem*, 32: 1-16.
2. **Brunet A**, Tran H and Greenberg ME (2003) The FOXO family of transcription factors: key targets of the PI3K-Akt pathway that regulate cell proliferation, survival and organismal aging. *Handbook of Cellular Signaling*. 3: 251.
3. Greer EL and **Brunet A** (2010) The genetic network of lifespan extension by caloric restriction. *Handbook on the Biology of Aging*.
4. **Brunet A**, Mahmoudi S, Mancini E, Rafalski VA, and Webb AE (2014) Longevity pathways in mammalian stem cells. *Annual Review of Gerontology and Geriatrics*, Volume 34, 2014: Genetics.

Commentaries on our Research

1. Chen E and Finkel T (2009) Preview. The Tortoise, the hare, and the FoxO. *Cell Stem Cell*, 5: 451-452.
2. Suh Y. and Vijg J (2010) Preview. The Long and Short of Fertility and Longevity *Cell Metabolism*, 12: 209-210
3. Mango SE (2011). News and Views. Ageing: generations of longevity. *Nature*, 479: 302-303.
4. Muers M (2011). New and Views. Epigenetics: inheriting a long life. *Nat Rev Genet*, 12:806-807.
5. Berger SL (2012). Preview: Transgenerational Inheritance of Longevity: Epigenetic Mysteries Abound. *Cell Metabolism*, 15: 6-7.
6. Robitaille AM and Hall MN (2012) Ramping up mitosis: an AMPK α 2-regulated signaling network promotes mitotic progression. *Molecular Cell*, 45: 8-9.
7. Zuccaro E and Arlotta P (2013) The quest for myelin in the adult brain. *Nat Cell Biol* 2013 15: 572-575.
8. Promislow DE and Kaeberlein M (2014) Chemical warfare in the battle of the sexes. *Science*, 343: 491-492

9. Finch CE and Tower J (2014) Sex-specific aging in flies, worms, and missing great-granddads. **Cell**, 156: 398-399.
10. Wang AM, Promislow DE, Kaeberlein M (2015) Fertile water for aging research. **Cell**, 160:814-815.
11. Lakhina V, Murphy CT (2015) Genome Sequencing Fishes out Longevity. **Cell**, 163:1312-1313.