

## Curriculum Vitae

Anne Brunet, PhD

### Address

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### Education

1992 BS, Biology, *summa cum laude*, Ecole Normale Supérieure (France)  
1992–1997 PhD, Biology, University of Nice (France)  
1998–2003 Post-doctoral training, Harvard Medical School

### 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  
02/2004–02/2011 Assistant Professor of Genetics, Stanford University  
02/2011–12/2014 Associate Professor of Genetics, Stanford University  
12/2014–present Professor of Genetics, Stanford University  
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 *Summa cum laude*, Ecole Normale Supérieure  
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
2018	NIH Director Transformative Research Award
2022	Lurie Prize in Biomedical Sciences

### Keynote and Named Lectures

2013	Koshland Lecture, UC Berkeley
2014	Bennett J. Cohen Lecture – University of Michigan
2015	World Economic Forum, Davos, Switzerland
2017	Keynote Lecture - Strategic Conference of Zebrafish Investigators, Pacific Grove
2017	Keynote Lecture - EMBO Conference - Advances in Stem Cells and Regenerative Medicine, Heidelberg, Germany
2017	Sager Lecture - Marine Biological Laboratory Friday Evening Lecture, Woods Hole
2018	Keynote Lecture - University of Wisconsin-Madison – Aging, Metabolism, Stress, Pathogenesis and Small RNAs in <i>C. elegans</i>
2018	Keynote Lecture - Society for the Study of Reproductions – Pathways to Discovery: Signals for Reproduction, Development and Longevity, New Orleans
2018	Keynote Lecture – Biology of Time – Exciting Biologies, Phoenix
2021	Keynote Lecture – Harvard Stem Cell Institute, Cambridge, MA
2021	Named Lecture – NIH Florence Mahoney Lecture on Aging, Bethesda, MD
2021	Keynote Lecture – EMBO EMBL Symposium – Metabolism Meets Epigenetics, Heidelberg, Germany

### External Advisory Panels and Boards

2007-present	American Federation for Aging Research (AFAR) Reviewing Committee
2011-2013	Ellison Medical Foundation Reviewing Committee
2010-2012	NIH Program Project Ad Hoc Reviewer
2012-2015	NIH Study Section (CMAD) - Permanent Member
2015-2016	NIH Study Section (CMAD) - Chair
2011-2016	Member of <i>Faculty of 1000</i>
2020-2021	External Advisory Board, T32 UC Berkeley
2011-2022	Editorial Board, <i>Longevity &amp; Healthspan</i>
2012-2022	Editorial Board, <i>Aging Cell</i>
2009-present	Editorial Board, <i>Aging</i>
2015-present	Editorial Board, <i>Cell Reports</i>
2017-present	Editorial Board, <i>Genes &amp; Development</i>
2020-present	Editorial Board, <i>Cell Stem Cell</i>
2020-present	External Advisory Board, Nathan Shock Center, University of Washington
2020-present	External Advisory Board ( <u>Chair</u> ), Salk's AHA/Allen Center for Aging and Alzheimer's Disease

## Stanford University Service

2009-2015	Genetics Retreat Committee
2011, 2017, 2019	Genetics Faculty Search Committee
2014-2021	Bio-X Leadership Council
2014-2021	Review Committee BioX
2018-2021	Review committee Big Ideas – Stanford Neuroscience Institute
2015-2021	T32 co-Director (with Tom Rando) – Aging
2017-2021	T32 PI (with David Kingsley) – Genetics and Developmental Biology
2011-2022	Dean's post-doctoral fellowship review committee
2005-present	Genetics Graduate Student Admission Committee
2022-present	Steering committee – Knight Initiative
2011-present	Co-Director of Glenn Center (with Tom Rando and Tony Wyss-Coray)

## National and International Meeting Organization

2013-present	Bay Area Aging Meeting at Stanford
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
2018	Keystone Symposium – Cancer Epigenetics: New Mechanisms, New Therapies
2018	FASEB – Transcription, Chromatin, and Epigenetics
2018	Cell Symposia – Aging and Metabolism
2018	Cold Spring Harbor Laboratory Meeting – Nutrient Signaling
2022	FASEB – Transcription, Chromatin and Epigenetics in Aging Meeting

## Invited Lectures

### 2004

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

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

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 <sup>th</sup> IUBMB International Congress of Biochemistry and Molecular Biology and 11 <sup>th</sup> 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**

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 4<sup>th</sup> Key Symposium, The Biology of Ageing. Stockholm, Sweden  
2007 Buck Institute Symposium, Nutrient Signaling and Aging. Novato, CA

**2008**

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  
Gordon Research Conference, Biology of Aging. Ventura, CA

**2009**

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, 38<sup>th</sup> 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**

- 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**

- 2011 Genome, Cancer & Ageing Symposium, 3<sup>rd</sup> 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 3<sup>rd</sup> Else Kröner-Fresenius Symposium on Molecular Mechanisms of Stem Cell Aging, Germany
- 2011 The 24<sup>th</sup> 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**

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**

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 25<sup>th</sup> 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 14<sup>th</sup> 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**

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**

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, 21<sup>st</sup> 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**

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**

2017 **Keynote Lecture** - 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 **Keynote Lecture** - 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**
- 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
- 2018 Genentech, South San Francisco, CA
- 2018 University of Southern California – Regenerative Medicine and Stem Cell Research, Los Angeles, CA
- 2018 Buck Student Aging Symposium, Novato, CA
- 2018 University of Washington – Basic Biology of Aging Seminar, Seattle, WA
- 2018 Columbia University – Genetics and Development Departmental Seminar, New York, NY
- 2018 CNIO “La Caixa” Foundation Frontiers Meeting - Molecular, Cellular and Organismal Hallmarks of Aging, Madrid, Spain
- 2018 Max Planck Institute for Biology of Ageing, Nothobranchius Symposium, Cologne, Germany
- 2018 **Keynote Lecture** - University of Wisconsin-Madison – Aging, Metabolism, Stress, Pathogenesis and Small RNAs in *C. elegans*, Madison, WI
- 2018 RAND Summer Institute, Santa Monica, CA
- 2018 **Keynote Lecture** - Society for the Study of Reproductions – Pathways to Discovery: Signals for Reproduction, Development and Longevity, New Orleans, LA
- 2018 FASEB – Protein Phosphorylation Networks in Health and Disease, Snowmass, CO
- 2018 University of Basel – Stem Cell Dynamics Throughout Life: From Development to the Adult, Basel, Switzerland
- 2018 Max Planck Institute for Biology of Ageing – 10<sup>th</sup> Anniversary Symposium, Cologne, Germany
- 2018 FASEB – Transcription, Chromatin, and Epigenetics, Florence, Italy
- 2018 Cell Symposia – Aging and Metabolism, Sitges, Spain
- 2018 **Keynote Lecture** – Biology of Time – Exciting Biologies, Phoenix, AZ
- 2018 Cold Spring Harbor Laboratory – Nutrient Signaling, Cold Spring Harbor, NY
- 2018 Sanford Burnham Prebys Medical Discovery Institute – Epigenetics of development, aging and disease, La Jolla, CA

- 2018 Sylvester Comprehensive Cancer Center – Miami Epigenetics and Cancer Symposium, Miami Beach, FL
- 2018 Gerontological Society of America Meeting, Boston, MA
- 2018 Northwestern University – SQE Epigenetics, Chromatin, and Human Disease, Chicago, IL
- 2018 Buck Institute – 30<sup>th</sup> Anniversary Symposium, Novato, CA
- 2018 American Society for Cell Biology – Beyond Homeostasis: Stem Cells Under Stress, San Diego, CA
- 2018 NASA Ames Research Center – XO Seminar, Mountain View, CA
- 2019**
- 2019 University of California, San Francisco – Basic Science Seminar, San Francisco, CA
- 2019 UCSF Gladstone Institutes – GICD/CVRI Seminar, San Francisco, CA
- 2019 Fusion Neurogenesis Conference, Nassau, Bahamas
- 2019 University of Washington, Seattle, WA
- 2019 Keystone Symposia – Epigenetics and Human Disease, Banff, Alberta, Canada
- 2019 McGill University – Molecular Seminar, Montréal, Canada
- 2019 Harvard Medical School – Department of Genetics Seminar, Boston, MA
- 2019 Brown University – Biology of Aging Seminar, Providence, Rhode Island
- 2019 University of Oregon – Institute of Molecular Biology Seminar, Eugene, OR
- 2019 Les Treilles Symposium – Nutrient Sensing and the Metabolic Control of Cell Growth, Les Treilles, France
- 2019 Eurogenesis Meeting 2019 - Bordeaux, France
- 2019 Marabou Symposium – Nutrition and Stem Cell Integrity in Ageing, Stockholm, Sweden
- 2019 Erasmus University Medical Center – Ageing, Health and Rejuvenation, Rotterdam, The Netherlands
- 2019 Gordon Research Conference – Molecular, Cellular and Physiological Determinants of Lifespan and Healthspan, Sunday River, Newry, Maine
- 2019 Morgridge Metabolism Symposium – Frontiers in Metabolism - Mechanism of Metabolic Disease, Madison, WI
- 2019 Fondation des Treilles – Stem Cells, Aging and Stress Response Mechanisms, Tourtour, France
- 2019 University of Michigan – Department of Molecular and Integrative Physiology, Ann Arbor, MI
- 2019 Yale School of Medicine – Genetics Department Seminar Series, New Haven, CT
- 2019 University of California, San Francisco – Hillblom Aging Symposium, San Francisco, CA
- 2019 Gerontological Society of America Scientific Meeting – Strength in Age: Harnessing the Power of Networks, Austin, TX
- 2019 Barcelona BioMed Conference – Immunotherapy beyond cancer. A cure for age-related diseases, Barcelona, Spain

2019 Harvard University – Department of Molecular and Cellular Biology, Cambridge, MA

**2020**

2020 Albert Einstein College of Medicine – Stem Cell Symposium – Gene Editing and RNA Biology in Stem Cells, Bronx, NY

2020 Keystone Symposia – Gene Regulation: From Mechanisms to Disease, joint meeting with Cancer Epigenetics: New Mechanisms and Therapeutic Opportunities, Keystone, CO

2020 Keystone Symposia – Intra- and Intercellular Mechanisms of Aging, Vancouver, Canada

2020 (Virtual) Northwestern University - Proteostasis Consortium Seminar Series – Working to solve aging and neurodegenerative disease, Evanston, IL

2020 (Virtual) Aging Science Talks – The African killifish – a vertebrate model to study aging and ‘suspended animation’

2020 (Virtual) Baylor College of Medicine – MCB Seminar Series, Houston, TX

2020 (Virtual) MIT Aging Brain Symposium – Cellular & Molecular Mechanisms of Neurodegeneration, Cambridge, MA

2020 (Virtual) Cold Spring Harbor Laboratory – Mechanisms of Aging, Cold Spring Harbor, NY

2020 (In-Person) Los Altos Hills Conference – Tackling Biology’s Final Frontier, Los Altos Hills, CA

2020 (Virtual) Oregon Health and Science University – Epigenetics Symposium, Portland, OR

2020 (Virtual) Cedars-Sinai – Center for Neural Science and Medicine Seminar, Los Angeles, CA

2020 (Virtual) MRC Laboratory of Molecular Biology – LMB Seminar, Cambridge, England, UK

2020 (Virtual) GSA Annual Scientific Meeting – Turning 75: Why Age Matters, Philadelphia, Pennsylvania

2020 (Virtual) Genentech – Neuroscience Department, South San Francisco, CA

**2021**

2021 (Virtual) UCSF Biomedical Sciences Seminar, San Francisco, CA

2021 (Virtual) Inserm Conference, Paris, France

2021 (Virtual) NYU School of Medicine, Kimmel Center of Stem Cell Biology, New York, NY

2021 (Virtual) Northeastern Biology Colloquium, Boston, MA

2021 (Virtual) UCSD – Biomedical Sciences Program, San Diego, CA

2021 (Virtual) Calico Life Sciences, South San Francisco, CA

2021 (Virtual) Memorial Sloan Kettering Cancer Center – MSK Kravis Women in Science Symposium, New York, NY

2021 (Virtual) University of Wisconsin-Madison – Molecular and Cellular Pharmacology Seminar, Madison, WI

2021 (Virtual) University of Massachusetts, Worcester, MA

2021 **Named Lecture** - (Virtual) NIH Florence Mahoney Lecture on Aging, Bethesda, MD

- 2021 (Virtual) Stanford Distinguished Careers Institute Colloquium, Stanford, CA
- 2021 **Keynote Lecture** - (Virtual) Harvard Stem Cell Institute, Cambridge, MA
- 2021 (Virtual) Cold Spring Harbor Laboratory – Cellular Dynamics and Models, Cold Spring Harbor, NY
- 2021 (Virtual) Cold Spring Harbor Laboratory – Biological Time Keeping, Cold Spring Harbor, NY
- 2021 (Virtual) Keystone Symposia - Molecular and Cellular Biology, Denver, CO
- 2021 (Virtual) Pezcoller Symposium – Aging and Cancer, Trento, Italy
- 2021 (Virtual) International Society for Stem Cell Research, Hamburg, Germany
- 2021 (In-Person) Aging Research and Drug Discovery Conference (ARDD), Copenhagen, Denmark
- 2021 (Virtual) Center for Molecular Medicine Cologne Symposium (CMMC) – 25 Years of Progress in Molecular Medicine: From Basic Research to Clinical Application, Cologne, Germany
- 2021 (Virtual) Genentech – Journeys in Science Seminar, South San Francisco, CA
- 2021 (Virtual) Cold Spring Harbor Laboratory – Mechanisms of Metabolic Signaling, Cold Spring Harbor, NY
- 2021 (Virtual) University of Pennsylvania – Institute for Regenerative Medicine Symposium, Philadelphia, PA
- 2021 (Virtual) University of Cambridge – Department of Physiology, Development and Neuroscience Seminar, Cambridge, United Kingdom
- 2021 **Keynote Lecture** - (Virtual) EMBO|EMBL Symposium – Metabolism Meets Epigenetics, Heidelberg, Germany
- 2021 (Virtual) University of Pennsylvania – Developmental, Stem Cell, and Regenerative Biology, Philadelphia, PA
- 2021 (Virtual) Fritz Lipmann Institute Seminar, Jena, Germany
- 2022**
- 2022 (Virtual) University of Washington, Seattle, WA
- 2022 (In-Person) Harvard Medical School – Cell Biology Seminar Series, Boston, MA
- 2022 (Virtual) University of Toronto – Medicine by Design Global Speaker Series, Toronto, Canada
- 2022 (In-Person) Monte Verità Conference – Neurogenesis from Development to Adulthood in Health and Disease, Monte Verità, Ascona, Switzerland
- 2022 (In-Person) Euro-Geroscience Conference, Toulouse, France
- 2022 (Virtual) Keystone Symposia – Cancer: Aging in the Driver’s Seat, Snowbird, UT
- 2022 (In-Person) Cell Symposia – Metabolites in Signaling and Disease, Lisbon, Portugal
- 2022 (In-Person) Fusion Conference – Epigenetics: From Mechanisms to Disease, Cancun, Mexico
- 2022 (In-Person) EMBO Workshop – Developmental Circuits in Aging, Heraklion, Greece

- 2022 (In-Person) Keystone Symposia – Tissue Fibrosis and Repair: Mechanisms, Human Disease and Therapies, Keystone, CO
- 2022 (In-Person) University of Wisconsin-Madison – Metabolism, Aging, Pathogenesis, and Stress in *C. elegans*, Madison, WI
- 2022 (In-Person) FASEB Meeting – Transcription, Chromatin and Epigenetics in Aging, Sicily, Italy

## Publications

### 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.
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#### **Invited Reviews and Commentaries**

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