CURRICULUM VITAE

JUDITH CAMPISI

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Education

1979	Ph.D.	State University of New York, Stony Brook (Biochemistry) Mentor: Dr Carl Scandella
1974	B.A.	State University of New York, Stony Brook (Chemistry)

Academic Positions:

1980 - 1984	Postdoctoral Fellow/Instructor, Dana-Farber Cancer Institute; Harvard Univ Medical School Mentor: Dr Arthur Pardee
1984 - 1989	Assistant Professor, Department of Biochemistry, Boston University School of Medicine
1989 - 1990	Associate Professor, Department of Biochemistry, Boston University School of Medicine
1990 - Present	Senior Scientist, Life Sciences Division, Lawrence Berkeley National Laboratory (LBNL)
1992 - 1997	Group Leader, Carcinogenesis & Differentiation, LBNL
1994 - 1999	Head, Department of Cell & Molecular Biology, LBNL
1999 - 2008	Co-Head, Center for Research and Education on Aging, LBNL and Univ California Berkeley
2002 - Present	Professor, Buck Institute for Research on Aging
2015 - Present	Adjunct Professor, University of Southern California

Major Research/Achievement Awards

1979	Postdoctoral Fellowships, American Cancer Society & National Institutes of Health
1985	Evangeline Athanas Cancer Research Scholar Award, American Cancer Society
1988	Established Investigator of the American Heart Association
1995, 2005	MERIT Awards, National Institute on Aging
1997	AlliedSignal Award for Research on Aging
1998	Senior Scholar Award, Ellison Medical Foundation
1999	Glenn Foundation Award, Gerontological Society of America
2002	Irving Wright Award of Distinction, American Federation for Aging Research
2010	Longevity Prize, IPSEN Foundation, Paris
2011	Bennett Cohen Award, University of Michigan
2011	Elected fellow, American Association for the Advancement of Science
2013	Schober Award, Halle University Hospital, Germany
2015	International Prize in Natural Sciences and Medicine, Olav Thon Foundation
2015	ICCNS-Springer Award, International CCN Society
2018	Lifetime Achievement Award, University of Manchester, UK
2018	Elected member, US National Academy of Science

Major Scientific Review and Advisory Positions

1985 - Present	Ad hoc Reviewer, Center for Scientific Research, National Institutes of Health
1988 - 1992	Biological and Clinical Aging Review Committee, National Institute on Aging
1990 - 1991	Biomedical Study Section, California Tobacco-Related Disease Research Program
1991 - 2000	Scientific Advisory Committee, California Tobacco-Related Disease Research Program
1992 - Present	Organizing Faculty, annual NIA Summer Training Course in Aging Research
1993 - Present	Science Advisory Board, Alliance for Aging Research
1994 - 1998	Board of Scientific Counselors, National Institute on Aging
1997	President's Panel on Cancer
1999 - 2002	National Advisory Council on Aging, National Institutes of Health
2000 - 2003	Board of Directors, American Federation for Aging Research
2001 - 2014	Ellison Medical Foundation, Initial Review Group
2003 - 2013	Co-Chair, American Association for Cancer Research Task Force on Aging and Cancer
2003 - 2012	Scientific Advisory Board, Keystone Symposia
2003	Science Advisory Member, Max Planck Commission on Gerontology
2004 - Present	Medical Research Committee, Progeria Research Foundation
2005, 2014	National Institute on Aging, Biology of Aging Extramural Program Review Committee
2005	American Society for Cell Biology, Program Committee
2007	National Academies-Keck Foundation, Future Initiatives (Aging) Steering Committee

2008 - Present Scientific Advisory Board, Biogerontology Research Foundation, UK
2008 National Institute on Aging, Biology of Aging Summit, Steering Committee
2008 National Academies, Grand Challenges of an Aging Society, Planning Committee
2011 - 2017 Steering Committee, National Institute on Aging Intervention Testing Program
2017 - present Steering Committee, Nat'l Cancer Inst Age-Related Consequences of Cancer and Treatments

Editorial Board Memberships

Aging (2008-present)
Aging Cell (2002-present)
Aging & Disease (2010-present)
Aging Reviews (2018-present)
Cancer Convergence (2016-present)
Cell Cycle (2002-present)
EBioMedicine (2016-present)
Experimental Cell Research (1991-present)
Exoerimental Gerontology (2018-present)
FASEB Journal (2016-present)
International Journal of Cancer (2006-2009)
Journal of Cellular Biochemistry (1991-present)
Journal of Cellular Physiology (1996-present)
Journals of Gerontology (1992-1995)
Mechanisms of Ageing and Development (1999-present)
Molecular Biology Reports (1996-present)
Molecular and Cellular Oncology (2014-present)
Oncoscience (2015-present)
Oncotarget (2015-present)
Public Library of Science Biology (PLoS Biol) (2013-2019)
Rejuvenation Research (1999-present)
Science of Aging Knowledge Environment (2000-2006)

Organizer, Major Conferences and Courses

1998 Cold Spring Harbor Conference on Genetics of Aging
1999 Keystone Symposium on Aging: Genetic & Environmental Influences on Life Span
1999 American Society for Biochemistry & Molecular Biol, Symposium on Cellular Aging and Immortalization
2002 Keystone Symposium on DNA Helicases, Cancer and Aging
2006 Cold Spring Harbor Conference on Molecular Genetics of Aging
2006 NIA Summer Training Course in Experimental Aging Research
2007 American Association for Cancer Research, Translational Research at the Aging and Cancer Interface
2008 Cold Spring Harbor Conference on Molecular Genetics of Aging
2009 NIA Summer Training Course in Experimental Aging Research
2010 Cold Spring Harbor Conference on Molecular Genetics of Aging
2012 Progeria Research Foundation, Frontiers in Progeria Research
2012 NIA Summer Training Course in Experimental Aging Research
2012 Keystone Symposium on Diseases of Aging
2012 Cold Spring Harbor Conference on Molecular Genetics of Aging
2015 NIA Summer Training Course in Experimental Aging Research
2016 Zing Conference on Cell Fate Diversity in Aging

Scientific Founder

UNITY Biotechnology (co-founders: Jan van Deursen, Mayo Clinic and Daohong Zhou, University of Arkansas)
See https://unitybiotechnology.com/

Current basic research support

1. NIH/NIA, R37 AG009909 Cellular senescence and control of gene expression
3/01/06 – 6/30/18 Role: PI
This project has been the recipient of two consecutive MERIT awards and is the major grant that funds the fundamental biology of cellular senescence and aging in my laboratory. It continues to explore the molecular and cellular causes of cellular senescence, and the effects of senescent cells on aging phenotypes and age-related pathologies using both mouse models and human cells and tissues. Currently on R56 bridge grant extension.

2. NIH/NIA, P01 AG017242 DNA repair, mutations and cell aging

4/01/14 – 3/31/19 Role: Subproject PI; Program PI: J Vijg, Albert Einstein College of Medicine
This subproject explores the role of somatic mutations and defects in DNA repair in causing cellular senescence and aging phenotypes using human and mouse cell cultures and mouse models.

3. NIH/NIA, T32-AG00266 Training in basic aging research and age-related disease
5/01/17 – 4/30/22 Role: PI; Co-PI: Lisa Ellerby, Buck Institute (no salary as per NIH policy)
This grant provides stipends for 10 postdoctoral fellows per year in >30 laboratories at the Buck Institute for Research on Aging, the Lawrence Berkeley National Laboratory, Stanford University and the University of California Berkeley.

4. NIH/NIA, R56 AG052988 Senescent cells as a source of pro-geronic factors
04/01/17 – 3/31/19 Role: PI; Irina Conboy, co-PI
This bridge grant provides funds to acquire additional preliminary data exploring the role of senescent cells in creating a pro-aging systemic milieu in mice in anticipation of resubmission. Currently on no-cost extension.

5. NIH/NIA, AG051729 Cellular senescence as a mediator of mitochondrial dysfunction-induced aging
10/01/16-- 09-30/21 Role: PI; Martin Brand, co-PI
This proposal will explore how mitochondrial dysfunction induces cellular senescence, a characteristic secretory phenotype and age-related phenotypes and pathologies in human cells and mouse models.

6. SENS Research Foundation Immune modulation of senescent cells.
3/01/17-2/29/19 Role: PI
This project explores the role of two innate immune cell types, natural killer cells and macrophages, in recognizing and killing senescent cells.

Publications

Full list of published work as found in My Bibliography:
http://www.ncbi.nlm.nih.gov/sites/myncbi/1VSa_Rnfwi5k2/bibliography/43735851/public/?sort=date&direction=ascending

CITATIONS: GOOGLE SCHOLAR: Judith Campisi

Original Research Articles

Suzuki H, Nishimura Y, Iketani H, Campisi J, Hirashima A, Inouye M, Hirota Y. 1976. A novel mutation that causes a structural change in a lipoprotein in the outer membrane of *Escherichia coli.*. J Bact 127:494-2501.

Campisi J, Scandella CJ. 1978. Fertilization-induced changes in membrane fluidity of sea urchin eggs. Science 199:1336-1337.

Campisi J, Scandella CJ. 1980. Bulk membrane fluidity increases after fertilization and partial activation of sea urchin eggs. J Biol Chem 255:5411-5419.

Campisi J, Scandella CJ. 1980. Calcium induces a decrease in membrane fluidity of the sea urchin cortex after fertilization. Nature 286:185-186.

Campisi J, Pardee AB. 1981. Cellular mutations and drug resistance probed by herpes simplex virus. J Cell Physiol 109:469-480.

Campisi J, Medrano EE, Morreo G, Pardee AB. 1982. Restriction point control of cell growth by a labile protein: Evidence for increased stability in transformed cells. Proc Natl Acad Sci USA 79:436-440.

Campisi J, Pardee AB. 1982. An artifact in measurement of S phase initiation and its implications for the kinetics of S phase-specific enzyme activities. Exp Cell Res 140:389-393.

Campisi J, Hafner J, Boorstein RB, Pardee AB 1983. Hereditary orotic aciduria, xeroderma pigmentosum and Lesch-Nyhan syndrome probed by herpes simplex virus: ^{125}I--Iododeoxycytidine incorporation as an assay for viral growth. J Cell Physiol 114:21-28.

Campisi J, Medrano EE. 1983. Cell cycle perturbations in normal and transformed cells caused by detachment from the substratum. J Cell Physiol 114:53-60.

Boorstein R, Campisi J, Pardee AB. 1983. The study of DNA repair defects using ^{125}I-Iododeoxycytidine incorporation as an assay for viral growth. Mutation Res 112:85-95.

Campisi J, Gray HE, Pardee AB, Dean M, Sonenshein GE. 1984. Cell cycle control of *c-myc* but not *c-ras* is lost following chemical transformation. Cell 36:241-247.

Campisi J, Morreo G, Pardee AB. 1984. Kinetics of G_1 transit following brief starvation for serum factors. Exp Cell Res 152:459-466.

Campisi J, Pardee AB. 1984. Post-transcriptional control of the onset of DNA synthesis by insulin-like growth factor. Molec Cell Biol 4:1807-1814.

Levine RA, Campisi J, Wang S-Y, Gudas LJ. 1984. Butyrate inhibits the retinoic acid-induced differentiation of F9 teratocarcinoma stem cells. Dev Biol 105:443-450.

Fingerman E, Campisi J, Pardee AB. 1984. A defect in calcium metabolism in Duchenne muscular dystrophy

fibroblasts: Effects on cellular and viral growth. Proc Natl Acad Sci USA 81:7117-7621.
Dean M, Levine RA, Campisi J. 1986. *c-myc* regulation during retinoic acid-induced differentiation of F9 cells is posttranscriptional and associated with growth arrest. Molec Cell Biol 6:518-524.
Dean M, Levine RA, Ran W, Kindy MS, Sonenshein GE, Campisi J. 1986. Regulation of *c-myc* transcription and mRNA abundance by serum growth factors and cell contact. J Biol Chem 261:9161-9166.
Ran W, Dean M, Levine RA, Henkle C, Campisi J. 1986. Induction of *c-fos* and *c-myc* mRNA by epidermal growth factor and calcium ionophore is cAMP-dependent. Proc Natl Acad Sci USA 83:8216-8220.
McCaffrey P, Ran W, Campisi J, Rosner MR. 1987. Two independent growth factor-generated signals regulate *c-fos* and *c-myc* mRNA levels in Swiss 3T3 cells. J Biol Chem 262:1442-1445.
Nepveu A, Levine RA, Campisi J, Greenberg ME, Ziff EB, Marcu KB. 1987. Alternate modes of *c-myc* regulation in growth factor stimulated and differentiating cells. Oncogene 1:243-250.
Wright TC, Pukac LA, Castellot JJ, Karnovsky MJ, Levine RA, Kim-Park, H-Y, Campisi J. 1989. Heparin suppresses the induction of *c-fos* and *c-myc* mRNA in murine fibroblasts by selective inhibition of a protein kinase C-dependent pathway. Proc Natl Acad Sci USA 86:3199-3203.
Lu K, Levine RA, Campisi J. 1989. *c-ras-Ha* gene expression is regulated by insulin or insulin-like growth factor and epidermal growth factor in murine fibroblasts. Molec Cell Biol 9:411-3417.
Seshadri T, Campisi J. 1990. *c-fos* repression and an altered genetic program in senescent human fibroblasts. Science 247:205-209.
Clement A, Campisi J, Farmer SR, Brody JS. 1990. Constitutive expression of growth-related mRNAs in proliferating and nonproliferating lung epithelial cells in primary culture: Evidence for growth-dependent translational control. Proc Natl Acad Sci USA 87:318-322.
Levine RA, Seshadri T, Hann SR, Campisi J. 1990. Posttranscriptional changes in growth factor-inducible gene regulation caused by antiproliferative interferons. Cell Regulation 1:215-226.
Park HY, Campisi J. 1990. Posttranslational regulation of cAMP-dependent protein kinase by phorbol esters in normal and chemically transformed 3T3 fibroblasts. Cancer Res 50:7145-7152.
Lu K, Campisi J. 1992. *Ras* proteins are essential and selective for the action of IGF-I late in the G1 phase of the cell cycle in BALB/c mouse fibroblasts. Proc Natl Acad Sci USA 89:3889-3993.
Desprez PY, Roskelley C, Campisi J, Bissell MJ. 1993. Isolation of functional cell lines from a mouse mammary epithelial cell strain: The importance of basement membrane and cell-cell interaction. Molec Cell Differentiation 1:99-110.
Seshadri T, Uzman A, Oshima J, Campisi J. 1993. Identification of a transcript that is selectively down-regulated in senescent human fibroblasts: Cloning, sequence analysis and regulation of the human L7 ribosomal protein gene. J Biol Chem 268:18474-18480.
Oshima J, Steinman K, Campisi J, Schlegel R. 1993. Modulation of cell growth, p34/cdc2 and cyclin A levels by SV40 large T antigen. Oncogene 8: 2987-2993.
Hara E , Yamaguchi T, Nojima H, Ide T, Campisi J, Okayama H, Oda K. 1994. Id-related genes encoding helix-loop-helix proteins are required for G1 progression and are repressed in senescent human fibroblasts. J Biol Chem 269:2139-2145.
Dimri GP, Campisi J. 1994. Altered profile of transcription factor binding activities during cellular senescence. Exp Cell Res 212:132-140.
Dimri, GP, Hara E, Campisi J. 1994. Regulation of two E2F-related genes in presenescent and senescent human fibroblasts. J Biol Chem 269:16180-16186.
Hara E, Campisi J. 1994. cDNA synthesis and asymmetric PCR on Oligotex for subtractive cDNA cloning. J NIH Res 6:77.
Oshima J, Campisi J, Tannock CA, Sybert VP, Martin GM. 1995. Regulation of c-fos in senescing Werner syndrome fibroblasts differs from that observed in senescing fibroblasts from normal donors. J Cell. Physiol 162: 277-283.
Desprez P, Hara E, Bissell M, Campisi J. 1995. Suppression of mammary epithelial cell differentiation by the helix-loop-helix protein, Id-1. Molec Cell Biol 15:3398-3404.
Dimri G, Lee, X, Basile G, Acosta M, Scott G, Roskelley C, Medrano EE, Linskens M, Rubelj I, Pereira-Smith O, Peacocke M, Campisi J. 1995. A novel biomarker identifies senescent human cells in culture and aging skin in vivo. Proc Natl Acad Sci USA 92:9363-9367.
Hara E, Uzman JA, Dimri GP, Nehlin JO, Testori A, Campisi J. 1996. The helix-loop-helix protein Id-1 and a retinoblastoma protein binding mutant of SV40 T antigen synergize to reactivate DNA synthesis in senescent human fibroblasts. Dev Genet 18:161-172.
Dimri GP, Nakanishi M, Desprez PY, Smith JR, Campisi J. 1996. Inhibition of E2F activity by the p21 inhibitor of cyclin-dependent protein kinases in cells expressing or lacking a functional retinoblastoma protein. Molec Cell Biol 16:2987-2997.
Chen H, Campisi J, Padmanabhan R. 1996. SV40 large T antigen transactivates the human cdc2 promoter by inducing a CCAAT-box binding factor. J Biol Chem 271:13959-13967.
Good LF, Dimri GP, Campisi J, Chen KY. 1996. Regulation of dihydrofolate reductase gene expression and E2F components in human diploid fibroblasts during growth and senescence. J Cell Physiol 168:580-588.

Nehlin JO, Hara E, Kuo W, Collins C, Campisi J. 1997. Genomic organization, sequence and chromosomal localization of the human helix-loop-helix Id-1 gene. Bioch Biophys Res Comm 231:628-634.
Rubelj R, Venable SF, Lednicky J, Butel JS, Bilyeu T, Darlington G, Surmacz E, Campisi J, Pereira-Smith OM. 1997. Loss of T antigen sequences allows SV40-transformed human cells to escape crisis and acquire the senescent phenotype. J Gerontol 52:8229-8234.
Chen QM, Bartholomew JC, Campisi J, Acosta M, Reagen JD, Ames BN. 1998. Molecular analysis of H2O2-induced senescent-like growth arrest in normal human fibroblasts: p53 and Rb control G(1) arrest but not cell replication. Biochem J 332:43-50.
Desprez PY, Thomasset N, Lin CQ, Sympson CJ, Bissell MJ, Campisi J. 1998. A novel pathway for mammary epithelial cell invasion induced by the helix-loop-helix protein Id-1. Molec Cell Biol 18:4577-4588.
Huang S, Li B, Gray MD, Oshima J, Mian S, Campisi J. 1998. The premature aging syndrome protein WRN is a 3' to 5' exonuclease. Nature Genet 20:114-116.
Kim SH, Kaminker P, Campisi J. 1999. Tin2, a new regulator of telomere length in human cells. Nature Genet 23:405-412.
Dimri GP, Acosta M, Itahana K, Campisi J. 2000. Regulation of a senescence checkpoint by the E2F1 transcription factor and p14/ARF tumor suppressor. Molec Cell Biol 20:273-285.
Xu W, Haddad MM, Bischof O, Campisi J, Medrano EE. 2000. Regulation of Microphtalmia-associated transcription factor MITF levels by association with the ubiquitin-conjugating enzyme hUBC9. Exp Cell Res 255:135-143.
Xu W, Haddad MM, Angelis K, Shardy DL, Bischof O, Campisi J, Stavenezer E, Medrano E. 2000. SKI acts as a co-repressor of Smad2 and Smad3 to regulate the response to TGF-β. Proc Natl Acad Sci USA. 97: 5924-5929.
Lin CQ, Singh J, Murata K, Itahana Y, Parrinello S, Liang SH, Gillett CE, Campisi J, Desprez P. 2000. A role for Id-1 in the aggressive phenotype and hormone response of human breast cancer cells. Cancer Res 60:1332-1340.
Huang S, Beresten S, Li B, Oshima J, Ellis NA, Campisi J. 2000. Characterization of the human and mouse WRN 3' to 5' exonuclease. Nucl Acids Res 28:2396-2405.
Hsu HL, Gilley D, Galande SA, Hande MP, Allen B, Kim SH, Li GC, Campisi J, Kohwi-Shigematsu T, Chen DJ. 2000. Ku acts in a unique way at the mammalian telomere to prevent end joining. Genes Dev 14:2807-2812.
Bischof O, Galande S, Farzaneh F, Kohwi-Shigematsu T, Campisi J. 2001. Selective cleavage of BLM, the Bloom syndrome protein, during apoptotic cell death. J Biol Chem 276:12068-12075.
Bischof O, Kim SH, Irving J, Beresten S, Ellis NA, Campisi J. 2001. Regulation and localization of the Bloom syndrome protein in response to DNA damage. J Cell Biol 153:367-380.
Kaminker PG, Kim SH, Taylor RD, Zebarjadian Y, Funk WD, Morin GB, Yaswen P, Campisi J. 2001. TANK2, a new TRF1-associated PARP, causes rapid induction of cell death upon overexpression. J Biol Chem 276:35891-35899.
Yannone SM, Roy S, Chan D, Murphy M, Huang S, Campisi J, Chen D. 2001. Werner syndrome protein is regulated and phosphorylated by DNA-dependent protein kinase. J Biol Chem 276:38242-38248.
Krtolica A, Parrinello S, Lockett S, Desprez P, Campisi J. 2001. Senescent fibroblasts promote epithelial cell growth and tumorigenesis: A link between cancer and aging. Proc Natl Acad Sci USA. 98:12072-12077.
Parrinello S, Lin CQ, Murata K, Itahana Y, Singh J, Krtolica A, Campisi J, Desprez PY 2001. Id-1, ITF-2 and Id-2 comprise a network of helix-loop-helix proteins that regulate mammary epithelial cell proliferation, differentiation and apoptosis. J Biol Chem 276:39213-39219.
Lim CS, Mian IS, Dernburg A, Campisi J. 2001. *C. elegans clk-2*, a gene that limits life span, encodes a telomere length regulator similar to yeast telomere binding protein Tel2p. Curr Biol 11:1706-1710.
Oshima J, Huang S, Pae C, Campisi J, Schiestl RH. 2002. Lack of WRN facilitates extensive deletion at non-homologous joining ends. Cancer Res 62:547-551.
Itahana K, Dimri GP, Hara E, Itahana Y, Zou Y, Desprez P, Campisi J. 2002. A role for p53 in maintaining and establishing the quiescence growth arrest in human cells. J Biol Chem 277:18206-18214.
Rubio MA. Kim SH, Campisi J. 2002. Reversible manipulation of telomerase expression and telomere length: Implications for the ionizing radiation response and replicative senescence of human cells. J Biol Chem 277:28609-28617.
Dimri GP, Martinez JL, Jacobs J, Keblusek P, Itahana K, van Lohuizen M, Campisi J, Wazer DE, Band V. 2002. BMI-1 oncogene induces telomerase and immortalizes human mammary epithelial cells. Cancer Res 62:4736-4745.
Krtolica A, Ortiz de Solorzano C, Lockett S, Campisi J. 2002. Quantification of epithelial cell proliferation in co-culture with fibroblasts by fluorescence image analysis. Cytometry 49:73-82.
Itahana K, Zou Y, Itahana Y, Martinez JL, Beausejour C, Jacobs J, van Lohuizen M, Band V, Campisi J, Dimri GP. 2003. Control of the replicative life span of human fibroblasts by p16 and the polycomb protein Bmi-1. Molec Cell Biol 23:389-401.
Kim SH, Parrinello S, Kim J, Campisi. 2003. *Mus musculus* and *Mus spretus* homologues of the human telomere associated protein TIN2. Genomics 81:422-432.
Kim SH, Han S, You YH, Chen DJ, Campisi J. 2003. The human telomere-associated protein TIN2 stimulates interactions between telomeric DNA tracts *in vitro*. EMBO Rep 4:685-691.
Parrinello S, Samper E, Krtolica A, Goldstein J, Melov S, Campisi J. 2003. Oxygen sensitivity severely limits the replicative senescence of murine cells. Nature Cell Biol 5:741-747.

Beausejour CM, Krtolica A, Galimi F, Narita M, Lowe S, Yaswen Y, Campisi J. 2003. Reversal of human cellular senescence: Roles of the p53 and p16 pathways. EMBO J 22:4212-4222.
Chen LJ, Huang S, Lee L, Davalos A, Schiestl RH, Campisi J, Oshima J. 2003. WRN, the protein deficient in Werner syndrome, plays a critical structural role in optimizing DNA repair. Aging Cell 2:191-199.
Davalos A, Campisi J. 2003. Bloom syndrome cells undergo p53-dependent apoptosis and delayed assembly of BRCA1 and NBS1 at stalled replication forks. J Cell Biol 162:1197-1209.
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Chen D, Xu W, Bales E, Colmenares C, Conacci-Sorrell M, Ishii S, Stavenezer E, Campisi J, Fisher DE, Ben-Ze'ev A, Medrano EE. 2003. SKI activates Wnt/beta-catenin signaling in human melanoma. Cancer Res 63:6626-6634.
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Parrinello S, Coppe JP. Krtolica A, Campisi J. 2005. Stromal-epithelial interactions in aging and cancer: Senescent fibroblasts can alter epithelial cell differentiation. J Cell Sci 118:485-496.
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Busuttil RA, Rubio M, Dolle MET, Campisi J, Vijg J. 2006. Mutation frequencies and spectra depend on growth state and passage number in cells cultured from lacZ-plasmid reporter mice. DNA Repair 5:52-60.
Huang S, Chen L, Libina N, Janes J, Martin GM, Campisi J, Oshima J. 2006. Correction of cellular phenotypes of Hutchinson-Gilford Progeria cells by RNA interference. Hum Molec Genet 118:444-450.
Chiang J, Nguyen M, Gurunathan S, Kaminker P, Tessarollo L, Campisi J, Hodes R. 2006. Generation and characterization of telomere length maintenance in tankyrase 2-deficient mice. Molec Cell Biol 26:2037-2043.
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Bhaumik D, Scott GK, Schokrpur S, Patil CK, Campisi J, Benz CC. 2008. Expression of microRNA 146 suppresses NF-kB activity with reduction of metastatic potential in breast cancer cells. Oncogene 27:5643-5647.
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Training activities

Graduate students trained

Name	Degree/year
Wendy Ran	PhD, 1987
Tara Seshadri	PhD, 1990
Kuanghui Lu	PhD, 1990
Junko Oshima	PhD, 1992
Simona Parrinello	PhD, 2005
Jean-Philippe Coppe	PhD, 2007
Adam Freund	PhD, 2010
Bridget Gengler	MS, 2010
Lili Zhou	PhD, 2011
Marco Demaria	PhD, 2012
Kevin Perrott	PhD, 2017
Chandani Limbad	PhD, 2017
Chisaka Kuenemann	PhD, expected 2019

Serban Ciotlos	PhD, expected 2022

Postdoctoral fellows trained

Name	Last known affiliation
Roy A. Levine	Cornell University, Ithaca NY
Hee-Young (Kim) Park	Boston University Medical School, Boston MA
Annick Clement	Hopital Trousseau, Paris, France
Amlan RayChaudhury	Harvard University Medical School, Boston MA
Ewa Surmacz	Jefferson Cancer Center, Philadelphia PA
Akif James Uzman	University of Houston, Houston TX
Eiji Hara	Osaka University, Osaka, Japan
Goberdhan Dimri	George Washington University, Washington DC
George Basile	Stanford University, Palo Alto CA
Jan Nehlin	Gerontological Research Center, Copenhagen, Denmark
Pierre Desprez	California Pacific Medical Center, San Francisco CA
Claudia Lin	Geron Corp, Menlo Park CA
Oliver Bischof	Pasteur Institute, Paris, France
Koji Itahana	Duke-NUS Medical School, Singapore
Shurong Huang	University of Washington, Seattle WA
Ana Krtolica	StemLifeLine, San Carlos CA
Patrick Kaminker	Human Genome Sciences, Baltimore MD
Baomin Li	University of Southern California, Los Angeles CA
Hiromi Fujisawa	Nara University, Kyoto, Japan
Albert Davalos	San Francisco State University, San Francisco CA
Sashwati Roy	University of Ohio, Columbia OH
Miguel Rubio	Netherlands Cancer Institute, Amsterdam, Netherlands
Seok-Jin Heo	Children's Hospital Oakland Research Institute, Oakland CA
Christian Beausejour	Ste Justine Hospital Research Center, U Montreal, Montreal, Canada
Young You	University of California, Los Angeles CA
Joshua Goldstein	Novartis Research Foundation, San Diego CA
Francis Rodier	University of Montreal, Montreal, Canada
Dipa Bhaumik	Buck Institute for Research on Aging, Novato CA
Christopher Patil	Broad Institute, Boston MA
Sahn-ho Kim	Henry Ford Health Sciences Research Center, Detroit MI
Arturo Orjalo	Genentech, South San Francisco CA
Peter de Keizer	Erasumus University, Rotterdam, Netherlands
Julie Mangada	Buck Institute Educational Department, Novato CA
Marco Demaria	European Institute for the Biology of Aging, Groningen, Netherlands
Michael Velarde	University of the Philippines Diliman. Philippines
Remi-Martin Laberge	Unity Biotechnology, Brisbane CA
Su Liu	BioMarin, Novato CA
Christopher Wiley	Present
Fatouma Alimirah	Present
Amit Sharma	Present
Abhijit Kale	Present
Jose Lopez-Dominguez	Present
Nate Bastisty	Present
Clare Kim	Present
Nicholas Aguirre	Present
Okhee Jeon	Present

Recent Invited Scientific Speaking Engagements (since 2015)

2015

Seminar, University of Calgary, Calgary CANADA
Speaker, Beckman workshop on Initiative for Macular Research, Irvine CA
Seminar, Harvard University Medical School, Boston MA
Seminar, University of British Columbia, Vancouver CANADA
Seminar, Baylor College of Medicine, Houston TX
Speaker and Achievement Awardee in Natural and Medical Sciences, Olav Thon Award symposium, Oslo NORWAY
Distinguished Speaker, University of Texas Medical Branch, Galveston TX

Seminar, University of Oklahoma, Oklahoma City OK
Seminar, University of Pittsburgh Medical School, Pittsburgh PA
Speaker, University of California NIEHS student and postdoctoral training grant annual symposium, Davis CA
Speaker, American Association for Cancer Research (AACR): Aging and Senescence symposium, Philadelphia PA
Speaker, Science in the Theater, Oakland CA
Speaker, Cell Cycle and Genomic Instability symposium, University of Virginia, Charlottesville VA
Distinguished Scientist Lecture, German Cancer Research Center, Heidelberg GERMANY
Speaker, EMBO workshop on Developmental Circuits in Aging, Heraklion GREECE
Speaker, Glenn Foundation 50th anniversary symposium, Santa Barbara CA
Lecturer on Aging, RAND mini-Med School, Los Angeles CA
Keynote speaker, European Cell Senescence Association, Santiago de Compostela SPAIN
Speaker and Scientific Achievement Awardee, International CCN Society, Nice FRANCE
Speaker, Cell symposium on Cell Death and Immunity, Berkeley CA
Seminar, University of Texas Southwest Medical Center, Dallas TX

2016

Speaker, Transatlantic Conference in Lung Disease, Aging, Lung Injury and Regeneration, Lucerne SWITZERLAND
Distinguished Scientist Seminar, National Jewish Health, Denver CO
Speaker, AACR Precision Med Series: Cancer Cell Cycle, Tumor Progression & Therapeutic Responses, Orlando FL
Speaker, Nature symposium on Cancer as an Evolving and Systemic Disease, New York NY
Plenary speaker, EMBO symposium on Tumor Microenvironment and Signaling, Heidelberg GERMANY
Seminar, University of Washington, Seattle WA
Speaker, Disease Drivers of Aging, New York Academy of Sciences, New York NY
Speaker, Pfizer 9th annual Frontiers Symposium, Boston MA
Keynote Lecture, Institute for Food Research, Norwich UK
Seminar, Pasteur Institute, Paris FRANCE
Participant, Progeria Research Foundation summit meeting, Boston MA
Seminar, Stanford University Medical School, Stanford CA
Speaker, Nobel symposium on Progeria, Stockholm SWEDEN
Speaker, Nobel symposium on Cell Cycle, Stockholm SWEDEN
Seminar, University of Washington Saint Louis, St Louis MO
Organizer and Speaker, NCI Workshop on Oncogenic Senescence, Bethesda MD
Speaker, International Cell Senescence Association, Rebhevot ISRAEL
Lecturer, RAND Mini-Med School, Los Angeles CA
Speaker, Center for Animal Disease Models International Symposium, Tokyo JAPAN
Seminar, Cornell University, Ithaca NY
Speaker, Rejuvenation Biotechnology Conference, Novato CA
Speaker, Benzon Conference on Genomic Instability and Neurodegeneration, Copenhagen DENMARK
Speaker, NIA workshop on Autonomous and Non-autonomous Mechanisms of Aging, Bethesda MD
Speaker, 16th Biennial Conference of the Metastasis Research Society, Chengdu CHINA
Organizer and Speaker, Zing Conference on Cell Fate Diversity in Aging, Dubrovnik CROATIA
Speaker, 2ND Internaltional Conference on Aging and Disease, Palo Alto CA
Speaker, Cell Press/IPSEN workshop on Biology of Commitment, Phoenix AZ
Seminar,Yale University, New Haven CT
Seminar, Georgetown University, Washington DC
Speaker, American Society for Matrix Biology annual meeting, St Petersburg FLA
Seminar, Temple University, Philadelphia PA
Seminar, University of West Virginia, Morgantown WV
Keynote Speaker, German Society for Aging Research, Ulm GERMANY
Participant, NIA workshop on Human Longevity, Bethesda MD

2017

Speaker, Society of Actuaries, Orlando FL
Speaker, Initiative for Macular Research, Doheny Eye Institute, Irvine, CA
Speaker, Genome Dynamics in Neuroscience, Kowloon HONG KONG
Speaker, Advances in Therapeutic Approaches to Extend Health Span, Scripps, Jupiter FL
Advisor, Nathan Shock Center, University of Washington, Seattle WA
Speaker, Workshop on Cancer and Aging, UCLA, Los Angeles CA
Seminar, University of Alabama, Birmingham AL
Speaker, Cancer Progress Conference, New York, NY
Keynote speaker, Society for Reproductive Investigations, Orlando FL

Seminar, University of Pennsylvania, Philadelphia PA
Speaker, American Association for Cancer Research, Washington DC
Seminar, Tulane University, New Orleans LA
Seminar, University of Texas Southwest Medical Center, Dallas TX
Seminar, University of Minnesota, Minneapolis MN
Speaker, Stress Response and Genome Integrity, Sendai JAPAN
Keynote speaker, International Cell Senescence Association, Paris FRANCE
Speaker, NCI Workshop on Inflammation, Rockville MD
Speaker, AGE Conference, New York NY
Speaker, Café Scientifque, Palo Alto CA
Speaker, Conference on p53 Isoforms, Bergen NORWAY
Speaker, Glenn symposium, Harvard University, Boston MA
Public Lecturer, British Society for Research on Aging, Exeter UK
Speaker, Meeting of the Research Advisory Committee on Gulf War Veterans Illnesses, San Francisco CA
Speaker, Cold Spring Harbor conference on Cell Death, Cold Spring Harbor NY
Speaker, 8th International meeting on Research on Aging, Halle GERMANY
Aurbach Lecture, American Society for Bone and Mineral Research, Denver CO
Keynote speaker, UCSF Center for Musculoskeletal Biology and Medicine retreat, San Francisco CA
Speaker, British Association for the Study of the Liver, Warwick ENGLAND
Schmitt lecture, Tufts University Medical School, Boston MA
Murray Barr Lecture, Western University, London, Ontario CANADA
Seminar, Brown University, Providence RI
Seminar, University of Colorado Medical School, Aurora CO
Speaker, Inflammation, Aging and Disease conference, Stanford CA

2018 (through June, 2018)
Seminar, Oregon Health Sciences University, Portland OR
Speaker, Aging, Proteostasis and Stress Responses, Northwestern University, Chicago IL
Speaker, 25th anniversary meeting of the Seattle Study Club, La Quinta CA
Speaker, Healthy Ageing conference, Hixton ENGLAND
Seminar, University of Chicago, Chicago IL
Dean's seminar, Einstein College of Medicine, New York NY
Speaker, Keystone symposium on Aging, Inflammation and Immunity, Austin TX
Speaker, Roche Tucson symposium, Tucson AZ
Moderator and speaker, Alzheimer's 2018—Moving Forward Blue Ribbon Panel, Hong Kong CHINA
Speaker, Perspectives on skin cancer prevention, Lausanne SWITZERLAND
Seminar, German Center for Neurodegenerative Disease, Bonn GERMANY
Speaker, Keystone symposium on Healthspan and Longevity, Hannover GERMANY
Speaker, Society for Experimental Biology and Medicine annual meeting, San Diego CA
Seminar, University of Southern California, Los Angeles CA
Spearker, Molecular hallmarks of aging, CNIO, Madrid SPAIN
Keynote and Achievement award speaker, Skin aging, University of Manchester, Manchester UK
Speaker, American Thoracic Society annual meeting, San Diego, CA
Memorial Lecture, University of North Carolina, Chapel Hill NC
Proctor & Gamble Lectureship, University of Cincinnati, Cincinnati OH
Keynote lecture, 3rd Australian Conference on the Biology of Aging, Brisbane AUSTRAILIA
Speaker/Moderator, International Cell Senescence Association meeting, Montreal CANADA