

Jerry W. Shay

CURRICULUM VITAE

Jerry W. Shay

Office Address: Department of Cell Biology
The University of Texas Southwestern Medical Center at Dallas
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Dallas, Texas 75390-9039

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FAX: (214) 648-5814
e-mail: jerry.shay@utsouthwestern.edu

Personal Data: Born November 7, 1945
Dallas, Texas
Married (Jennifer A. Cuthbert, M.D., Ph.D.)

Education:

1966	B.A. (Zoology) The University of Texas at Austin
1968	M.A. (Zoology, Genetics) The University of Texas at Austin
1972	Ph.D. (Physiology and Cell Biology) The University of Kansas at Lawrence

Professional Appointments:

1972-1975	Postdoctoral Fellowship Department of Molecular, Cellular and Developmental Biology University of Colorado, Boulder, Colorado (Sponsor, Keith R. Porter, Ph.D.)
1972-1973	National Institutes of Health Fellowship
1973-1975	Muscular Dystrophy Association Fellowship
1975-1981	Assistant Professor, Department of Cell Biology and Neuroscience The University of Texas Southwestern Medical Center at Dallas
1981-1992	Associate Professor, Department of Cell Biology and Neuroscience The University of Texas Southwestern Medical Center at Dallas
1992-	Professor, Department of Cell Biology Southland Foundation Distinguished Chair in Geriatric Research Distinguished Teaching Professor The University of Texas Southwestern Medical Center at Dallas

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Professional Appointments: (continued)

1975-present	Member of the Graduate Faculty The University of Texas Southwestern Graduate School of Biomedical Sciences
1975-1991	Member of the Graduate Faculty in Cell Biology (William Snell, Ph.D., Program Director)
1982-1991	Member of the Graduate Faculty in Cell and Molecular Biology (Richard Anderson, Ph.D. Program Director)
1991-	Member of the Graduate Faculty in Genetics, Development and Disease (Ondine Cleaver, Ph.D., Program Director)
2009-	Member of the Graduate Faculty in Cancer Biology (Rolf Brekken, Ph.D, Program Director)
1995-2009	Member of the Graduate Faculty in Cell Regulation (Mark Lehrman, Ph.D., Paul Sternweis, Ph.D. Program Director)
1999-2009	Member of the Graduate Faculty in Integrative Biology (George DeMartino, Ph.D., Yi Liu, Ph.D., Program Director)
2002-2005	Associate Director for Basic Science Programs and Executive Committee, The University of Texas Southwestern Simmons Comprehensive Cancer Center
2005-2009	Director, Cancer Biology Training Track, Genetics and Development, Division of Biological Science
2009-2010	Director, Science of Medicine Interest Group (SMIG) on Cancer
2009-2018	Director, Cancer Biology Graduate Program, Division of Biological Sciences PI, T32 NCI Basic Science Training Grant, Co-PI, T32 NCI Physician Scientist Training Grant
2005-	Associate Director, Education and Career Enhancement, Senior Leadership Committee, The University of Texas Southwestern Simmons NCI Designated Comprehensive Cancer Center

Honors/Awards:

1978-1983	NIH Research Career Development Award
1995	AlliedSignal Award for Research on Aging (with Woodring Wright)
1997	Institute for Scientific Research - Most highly cited researchers
1998	Dallas Business Journal - Health Care Hero Award - Honorable Mention
1998	Popular Science "Best of What's New" Award for Science and Technology
1999	Burroughs Wellcome Fund and FASEB: Basic Medical Science Visiting Professorship

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- 1999-2003 Ellison Medical Foundation, Senior Scholar Award
- 2001 American Aging Association, 2001 Hayflick Award
- 2001 Southland Financial Corporation Distinguished Chair in Geriatric Research
- 2003 ISI Highly Cite Researcher in Molecular Biology and Genetics
- 2004 Ted Nash Award
- 2006 Doctors of the Decade (1995-2005): JW Shay ranked 6th in the list of most cited authors in General Biomedicine. Science Watch 17:1 2-3, 2006 (91 papers each cited greater than 100 times each, h-index 94)
- 2011 Anatomical Society Aging Cell Best Paper Prize 2011
- 2011 Distinguished Teaching Professor, elected to Southwestern Academy of Teachers
- 2012 Distinguished Honorary Professor, Center of Excellence in Genomic Medicine Research, King Abdulaziz University, Jeddah, Saudi Arabia
- 2012 Elected University of Texas Academy of Health Science Education (Medal)
- 2012 UT Regents' Outstanding Teaching Award (Medal and \$25,000)

- 2013 Minnie Stevens Piper Foundation Piper Professor (Certificate, Pin, and \$5,000)
- 2013 Highly influential biomedical researchers 1996-2011 (Boyack et al., Eur. J. Clin. Inves. Oct 21, 2013 DOI: 10.1111/eci.12171).
- 2015 Distinguished Basic Science Educator Award, UT Southwestern
- 2016 Mary Kay Foundation Distinguished Professorship in Women's Cancer Research in Honor of Jerry Shay, Ph.D.
- 2017 Eunice Kennedy Shriver NIH Alliance for Regenerative Rehabilitation Research and Training Pioneer Award.
- 2019 Honorary Membership, Japanese Cancer Association, for recognition of excellence in cancer research
- 2020 Albert Nelson Marquis Lifetime Achievement Award, highest honor in Marquis Who's Who.

Teaching Experience:

1. The University of Texas Southwestern Medical Center at Dallas:
 1. Body Structure Foundations, Microanatomy: Cells (2015-)
Director, Peter Michaely
 1. Biology of Cells and Tissues (1975-2015)
Co-director with Woodring Wright 1995-2003
Co-director with Judith Head 2003-2015
 2. Medical Genetics (1976-1995)
Director, Genetics and Development (1977-1979)
Director, Medical Genetics (1979-1986)

2. The University of Texas Southwestern Graduate School of Biomedical Sciences:
 1. Course Coordinator, Cell Fine Structure (1976)
 2. Readings Course in Cell Hybridization (1980)
 3. Readings and Laboratory Course in Somatic Cell Genetics (1982-1986)
 4. Advanced Cell Biology (1983)
 5. Advanced Topics in Cell and Molecular Biology (1984-1991)
 6. Fundamentals of Cell Biology (1988-1991)
 7. Core Curriculum Course for first year Graduate Students (1991-2000)
 8. Special Course on Aging for first year Graduate Students (1999-2003)

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9. Course Director, Cancer Biology for first year Graduate Students (2004-2010)
 10. Lectures, Responses to Stress, Integrative Biology Course (2006-2010)
 11. Course Director, Stem cells, cancer and cancer stem cell for second year and advanced Graduate Students in the Cancer Biology Program (2006-2010)
 12. Course Co-director, Hallmarks of Cancer (2011-2013)
 13. Lectures, Hallmarks of Cancer (2011-present)
 12. Course Director, Hypothesis Testing/Grant Writing for second year and advanced graduate students in the Cancer Biology Program (2007-present)
3. W. Alton Jones Cell Science Center, Lake Placid, New York
Course Director, Cell Hybridization Techniques in Cell Biology (1978)
 4. The University of Texas at Austin
Laboratory Instructor, Human Physiology (1966)
Laboratory Instructor, Cell Biology and Embryology (1967-1969)

Special Academic Activities and Professional Appointments:

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|-----------|--|
| 1979-1981 | Southwestern Medical School Student Admissions Committee |
| 1979-1987 | Southwestern Medical School Student Promotions Committee |
| 1978-1980 | Documentation Committee - Southwestern Graduate School |
| 1980-1983 | Elected to Southwestern Medical Center Committee of Delegates |
| 1976-1978 | Graduate Admissions Chairman, Cell Biology Program |
| 1977-1978 | President, Southwestern Medical School Sigma Xi Club |
| 1977-1988 | Cancer Center Executive Committee |
| 1986-1989 | Faculty Senate representative for the Department of Cell Biology |
| 1977-1991 | Elected-Graduate Studies Steering Committee, Cell Biology Program |
| 1990-1991 | Graduate Admissions Chairman, Cell Biology and Neuroscience |
| 1977-1994 | Cancer Center Scientific Review Committee |
| 1995-2007 | Multidisciplinary Oncology Training Program Committee |
| 1996-2004 | Executive Committee UT Southwestern Simmons Comprehensive Cancer Center |
| 2001 | Search Committee, Chair in Urology |
| 2001- | Internal Advisory Committee of the NCI designated P20 Cellular and Molecular Imaging Center for Cancer Research |
| 2001-2003 | Liason Committee on Medical Education |
| 2002-2003 | Search Committee, Chair in Radiation Oncology |
| 2002-2004 | Search Committee, Director Simmons Comprehensive Cancer Center |
| 2002- | Vice Chairman Department of Cell Biology |
| 2004- | Senior Leadership Committee, Associate Director of Education and Career Enhancement, Harold Simmons NCI Designated Comprehensive Cancer Center |

National Committees:

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|-----------|---|
| 1980-1981 | Member NCI Cancer Biology Study Section |
| 1982 | Member of the NIH Biotechnology Study Section |
| 1978-1982 | Tissue Culture Association Education Committee |
| 1984-1988 | Elected Member-at-Large Tissue Culture Association; National Executive Council;
1987 - Program Chairman; 1989 -Terminology Committee |
| 1989 | Ad Hoc Member of the NIH Mammalian Genetics Study Section |

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1989-1990 Ad Hoc Member of the NIH Human Genome Project Study Section
1990-1994 Member of the NIH Mammalian Genetics Study Section
1992-2006 Scientific Advisory Board, Geron Corporation, Menlo Park, CA.
1994-1998 Member of the NIH Reviewers Reserve
1995-1997 Scientific Advisory Board, BioWhittaker, Inc., Walkersville, MD.
1995-1997 Susan G. Komen Breast Cancer Foundation, Basic and Clinical Research Grant Review and Selection Committee
1996-present Mary Kay Ash Foundation, Chairman, Scientific Review Committee
1997-2014 External Advisory Board - Univ. Calif. San Diego Cancer Center
1997-1998 Scientific Advisory Board, Corixa, Inc. Seattle, WA.
1998-2002 American Federation for Aging Research, Scientific Advisory Council
1998-1999 Breast Cancer Integration Panel, DOD
2004 Breast Cancer Integration Panel, DOD
1998-2002 Board of Directors, International Society of Differentiation
1999-2002 Consultant to Clontech Laboratories, Inc. (Becton Dickinson Company)
2004-2008 Procter and Gamble, Cincinnati, OH (SAB and consultant)
2004-2008 External Advisor, Aging-Cancer Program Case Comprehensive Cancer Center
2002-2009 Rexahn Pharmaceutical, Inc., Rockville, MD (SAB)
2003-present Reata Pharmaceuticals Inc., Dallas, TX (SAB)
2006-2010 Sierra Science, Inc. Reno, NV (SAB)
2008-2015 NY Stem Cell Initiative Review Committee
2008-2017 Pennsylvania Department of Health, Cancer Review Committee
2010-present Life Length, Madrid, Spain, Scientific Advisor
2011-2014 ALT Solutions, Inc. Scientific Advisor
2011- present Chair, SAB, Center for Genomic Medical Research, Jeddah, Saudi Arabia
2013-2019 Research Grants Council, Hong Kong
2013-present Faculty of 1000
2015-present Founding Scientist Barricade Pharmaceuticals, Inc.
2018-present Founding Scientist, Thio Therapeutics, Inc.
2016-present Research Grants Council, Singapore
2019-present External Advisory Committee, Telomere Research Network
2019-present Scientific Advisory Board, Centaura
2020-present Founding Scientist, Telos

Editorial Work:

1979-1980 Editorial Board, Scanning Electron Microscopy, Inc.
1980-1988 Associate Editor, Tissue Culture Association Manual
1982-1985 Associate Editor, Texas Society for Electron Microscopy Journal
1982 Editor, Techniques in Somatic Cell Genetics
1980-1984 Editor, Cell and Muscle Motility (Volumes I - VI)
1986 Editor, Cell and Molecular Biology of the Cytoskeleton
1992-1998 Executive Editor, Cellular and Molecular Differentiation
1993- Editorial Academy, International Journal of Oncology
1993-1998 Associate Editor, In Vitro, Cellular and Developmental Biology
1994-1998 Editorial Board, Methods in Cell Science
1997-2007 Associate Editor, Cancer Research
1997-2000 Editorial Board, Journal of Clinical Pathology

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1998-2018	Editorial Advisory Board, Journal of the National Cancer Institute
1998-	Editorial Academy, International Journal of Molecular Medicine
1998-	Editorial Board, Journal of Antiaging Research
1998-2000	Associate Editor, Experimental Gerontology
1999-	Editorial Board, Clinical Cancer Research
1999-	Editorial Board, Neoplasia
2000-	Editorial Board Journal of Regenerative Medicine
2000-	Associate Editor, Differentiation
2001-	Associate Editor, Mechanisms of Aging and Development
2001-	Editor, Disease Markers
2002	Guest Editor, Oncogene Reviews
2009	Guest Editor, BBA, Molecular Basis of Disease
2009-	Editorial Board Genome Integrity

Patents:

1. U.S. Patent #5,489,508 Issue date: 02/06/96
"Therapy and Diagnosis of Conditions Related to Telomere Length and/or Telomerase Activity"
2. U.S. Patent #5,639,613 Issue date: 06/17/97
"Methods for Cancer Diagnosis and Prognosis"
3. U.S. Patent #5,645,986 Issue date: 07/08/97
"Telomerase Activity Inhibitor Screening"
4. U.S. Patent #5,648,215 Issue date: 07/15/97
"Telomerase Diagnostic Methods"
5. U.S. Patent #5,686,245 Issue date: 11/11/97
"Screening for Agents that Modulate Telomere Length"
6. U.S. Patent #5,686,306 Issue date: 11/11/97
"Methods and Reagents for Lengthening Telomeres"
7. U.S. Patent #5,693,474 Issue date: 12/2/97
"Methods for Cancer Diagnosis and Prognosis"
8. U.S. Patent #5,695,932 Issue date: 12/9/97
"Telomerase Activity Assays for Diagnosing Pathogenic Infections and Identifying Pathogen Telomerase Inhibitors"
9. U.S. Patent #5,707,795 Issue date: 1/13/98
"Diagnosis of Conditions Related to Telomere Length"
10. U.S. Patent #5,830,644 Issue date: 11/3/98
"Method for Screening for Agents which Increase Telomerase Activity in a Cell"
11. U.S. Patent #5,840,495 Issue date: 11/24/98
"Methods for Diagnosis of Conditions Associated with Elevated Levels of Telomerase Activity"
12. U.S. Patent #5,989,807 Issue date: 11/23/99
"Detecting Cancerous Conditions by Assaying for Telomerase Activity"
13. U.S. Patent #6,007,989 Issue date: 12/28/99
"Methods of Screening for Compounds that De-repress or Increase Telomerase Activity"
14. U.S. Patent #6,015,710 Issue date: 1/18/00; #6,046,307 Issue date: 4/4/2000
"Modulation of Mammalian Telomerase by Peptide Nucleic Acids"

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15. U.S. Patent #6,194,206 Issue date: 2/27/2001
"Oligonucleotide Telomerase Inhibitors to Reduce Telomere Length"
16. U.S. Patent # 6,210,915 Issue date: 4/3/2001
"Telomerase Extraction Method"
17. U.S. Patent # 6,294,650 Issue date: 9/25/2001
"Inhibition of Mammalian Telomerase by Peptide Nucleic Acids"
18. U.S. Patent # 6,368,789 Issue date: 4/9/2002
"Screening Methods to Identify Inhibitors of Telomerase Activity"
19. U.S. Patent # 6,391,554 Issue date: 5/21/2002
"Detecting Cancerous Conditions by Assaying for Telomerase Activity"
20. U.S. Patent # 6,551,774 Issue date: 4/22/2003
"Diagnostic Methods for Conditions Associated with Elevated Cellular Levels of Telomerase"
21. U.S. Patent #61/875,409 Issue Date: 7/22/2014. "Compounds Having Anti-Adhesive Effects on Cancer Cells"
22. U.S. Patent #61/809,575 Issue Date: 4/08/2014 "Telomerase Mediated Telomere Altering Compounds." International 14/336,443
23. U.S. Patent #61/875,933 Provisional Issue Date: 9/10/2013. "Therapeutics Targeting Truncated Adenomatous Polyposis Coli (APC) Proteins"
24. U.S. Patent #62/193,019 Provisional Issue Date: 7/15/2015 "Targeting Emopamil Binding Protein (EBP) with Small Molecules that Induce an Abnormal Feedback Response by Lowering Endogenous Cholesterol Biosynthesis".
25. U.S. Patent #16/450,430 Issue date: US-2019-0388453-A1 "Treatment of Drug Resistant Proliferative Diseases with Telomerase Mediated Telomere Altering Compound"
26. U.S. Patent #62/504,009 Provisional Issue Date: 05/10/2017 "TeSLA (Telomere Shortest Length Assay): A Method to Measure the Shortest Telomeres" International application 15/976,196 Filed date: 05/10/2018.
27. U.S. Patent #62,636,775 Provisional Issue Date: 02/28/2018 "Use of 6-thio-2'-deoxyguanosine (6-thio-dG) to Treat Melanoma"
28. U.S. Patent #62/646,820 Provisional Issue Date: 03/22/2018 "Use of 6-thio-dG to Treat Therapy-resistant Telomerase Positive Pediatric Brain Tumors"
29. U.S. Patent #16/304,538 Provisional Issue Date: 11/26/2018 (International PCT/US2017/0034706) "6-thio-deoxyguanosine (6-thio-dG) Results in Telomerase Dependent Telomere Dysfunction and Cell Death in Various Models of Therapy Resistant Cancer Cells.

Ph.D. Advisor for the Following Graduate Students:

1. Michael Clark 1975-1981, Ph.D., 1981
(Professor, University of Kentucky)
2. Lamont Weide 1975-1981, Ph.D., 1981; M.D., 1985
(Associate Professor, University of Nebraska Medical Center)
3. Andrew Crenshaw 1976-1979, M.D., 1982
(in private practice)
4. Cheryl Walker 1979-1984, Ph.D., 1984
(Professor, University of Texas Cancer System, Smithville) Elected to National Academy of

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Science 2016

5. William Rainey 1981-1985, Ph.D., 1985
(Professor, University of Michigan, School of Medicine, Conn Professorship)
6. Deborah Iman 1984-1988, Ph.D., 1988
(High School science teacher, Albuquerque, New Mexico)
7. Dennis Pierce 1985-1989, Ph.D., 1989
(Associate Professor, University of Utah)
8. Ruben Ramirez 1995-2000, Ph.D., 2000
(Assistant Professor, Veterans Administration, Dallas, Professor UT Dallas)
9. Patrica McChesney 1997-2001, Ph.D. 2001
(Postdoctoral fellow, Medical College of Virginia, Richmond)
10. Dara Aisner 1997-2001, Ph.D., 2001
(MSTP student, Pathology resident NCI, 2002-2007, Surgical Pathology, U. Penn, 2007-2010, 2010-present, Associate Professor, University of Colorado Health Center, Denver)
11. Joseph Baur 1999-2003, Ph.D., 2003
(Postdoctoral fellow, Harvard University 2003-2008, 2008- Associate Professor, U. Pennsylvania)
12. Ying Zou 2000-2004
(2004-2007 - Postdoctoral training in Clinical Cytogenetics, Mayo, 2007- Director of Clinical Cytogenetics, Boston University)
13. Gunner Dikmen 2002-2005
(Professor and Chair, University of Hacettepe, Faculty of Medicine, Ankara, Turkey)
14. Agnel Sfeir 2002-2006 , PhD, 2006 selected for Nominata Award, top award for all graduate students
(Postdoctoral fellow, Rockefeller University, in Titia deLange Lab 2006-2011, 2011-present Associate Professor, NYU, Skirball Institute)
15. Vikash Bhagwhandin 2004-2008, Ph.D. 2008 Postdoctoral fellow UCSF, laboratory of Michael Bishop
16. Christy Duncan 2005-2007 Completed Master degree and took a position in industry
17. Oliver Delgado 2005-2009 T32 training grant award, first place NASA annual investigators meeting for graduate student posters, PhD awarded December 2009
18. Nuno Gomes 2005-2009, PhD EMBO Pre-doctoral fellowship. Veterinarian Pathology in Lisbon
19. Hirotooshi Hoshiyama 2005-2010, Telomerase promoter viral therapy, Oncolys BioPharma, Tokyo, Japan
20. Christine Buseman 2006-2010 -received DOD Pre-doctoral award, completing Masters of Public Health
21. Tracy Chow 2006-2011 DOD Pre-doctoral award, Post-doctoral fellow in Elizabeth Blackburn's Laboratory, UCSF, San Francisco, CA. Scientist II Celgene
22. Aric Whittington 2007-2012, Postdoctoral training UT Tyler, Executive Master's Degree in Health Care Administration
23. Ugur Eskiocak 2008-2011, CPRIT Pre-doctoral Fellowship, Post-doctoral fellowship in Sean Morrison's lab, UT Southwestern, Compass Pharmaceuticals, Senior Scientist, Boston
24. Peter Ly 2009-2012, CPRIT Pre-doctoral Fellowship, Post-doctoral fellowship in Don Cleveland's lab Ludwig Institute for Cancer Research, UC San Diego, CA, Assistant Professor UTSW Pathology
25. Sin (Sabrina) Mak, 2007-2014, received one of top five awards for UTSW graduate poster session, received DOD Predoctoral award, Teaching Univ of Dallas
26. Aadil Kaisani 2009-2014, DOD Pre-doctoral breast cancer fellowship, In medical school 2014

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27. Mandy (Sze) Wang 2010-2014, DOD Pre-doctoral breast cancer fellowship, Postdoctoral fellowship in Adrian Kranier's lab Cold Spring Harbor Laboratories
28. Jerome Robbins 2010-2014, Student from Paris France, on fellowship from home institution. Postdoctoral fellow at University of Nice, France
29. Dustin Boyd 2010-2012, MSTP, returned to medical school
30. Gaoxiang Ja - 2013-2014 Master's degrees in Cancer Biology, SMU bioengineering PhD student
31. Lu Zhang 2010-2014, Mechanism of Disease HHMI Program Fellowship Summer 2010, CPRIT Predoctoral Fellowship, 2011-2013, Senior Scientist, Abbvie, Chicago
32. Brody Holohan 2010-2015, Cancer Center Predoctoral Fellowship, Ph.D. 2015., Verifomics, Inc., CEO Co-founder
33. Mariam El-Ashmawy 2011-2015 MSTP, HHMI Gilliam Pre-doctoral Fellowship, MD/Ph.D. 2017. Resident, NYU School of Medicine
34. Ryan Laranger - 2012-2017 Mechanisms of Disease T32, 2014-2015, T32 Training Grant, Postdoctoral fellow at Yale University in Michael Mak's lab
35. Ejun Huang – 2012-2017 CPRIT Predoctoral Fellowship 2012-2016
36. Laura Yuan – 2013-2017 MSTP – Cancer Center Fellowship. T32 training grant 2016-2017, back in Medical School
37. Ning Zhang – 2014- Co-mentor with Gaudenz Danuser, CPRIT Predoctoral Fellowship 2014-2016
38. Krisha Luitel – 2014 - HHMI Training Grant in Mechanisms of Disease, Cancer Center Fellowship
39. Busola Alabi - 2016 - CPRIT Predoctoral Fellowship 2016-2019

Past Post-doctoral Trainees:

1. John W. Fuseler, Ph.D., 1977-1980
2. Marguerite Stauver, Ph.D., 1979-1982
3. Rosalie Ber, M.D., 1981-1982
4. Harold Werbin, Ph.D., 1982-1983
5. Jun-Ichi Hayashi, Ph.D., 1985-1986
5. Wang Zongren, Ph.D., 1985-1986
6. Xie Jing-Yu, Ph.D., 1986-1987
7. Shougo Ishii, M.D., 1986-1988
8. Liu Yinong, Ph.D., 1986-1989
9. Minakshi Banerjee, Ph.D., 1987-1989
10. Yuan Yang, Ph.D., 1987-1989
11. Ma Liandong, Ph.D., 1988-1989
12. Naohisa Kamimura, M.D., 1988-1990
13. Tsuneyoshi Baba, M.D., 1988-1990
14. Yan-ting Chou, Ph.D., 1989-1990
15. Qimin Zhan, M.D., 1989-1991 (Vice President of the Chinese Academy of Medical Sciences and Director of the National Key Lab of Molecular Oncology, Beijing China)
16. Michael West, Ph.D., 1989-1992 (1992-1998, VP Development, Geron Corp, Menlo Park, CA, 1999-2008 CEO and President Advanced Cell, Boston, MA, 2009- present, President and CEO, BioTime, Inc.)
17. Brigitte Van Der Haegen, M.D., Ph.D., 1990-1992 (VP Research, BioWhitaker)
18. Mieczyslaw A. Piatyszek, Ph.D., 1990-1995 (Senior Scientist, Geron Corporation, 1995-2005; consultant, Sierra Sciences, Reno, NV.
19. Isabelle Savre-Train, Ph.D., 1990-1993, 1995-1998 (Pasteur Institute, Paris France)
20. Walter Funk, Ph.D., 1991-1993 (Geron, 1993-2000; XGene, 2000-2006; Director, Parallax Venture Partners, San Bruno CA, 2006-present)

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21. Michel Ouellette, Ph.D., 1991-1999 (Professor, University of Nebraska Medical Center, Eppley Cancer Center, 2000-2009, Associate Professor, 2009-
22. Asha Rathi, Ph.D., 1992-1994 (Research Instructor, Hamon Cancer Center)
23. Yury Romanchikov, Ph.D., 1992-1994 (Staff Scientist, Sloan Kettering, NY)
24. Dana Brasiskyte, Ph.D., 1992-1995 (Staff Scientist, Sloan Kettering, NY)
25. Yan Ying, Ph.D., 1992-1994 (Assistant Professor, University of Nebraska Eppley Cancer Center)
26. Lauren Gollahon, Ph.D., 1993-1997 (Professor, Texas Tech University, Lubbock)
27. Shawn Holt, Ph.D., 1994-1998 (Associate Professor, Virginia Medical College, Richmond)
28. Takeshi Isomura, Ph.D., 1995-1996 (Assistant Professor, Tokyo Medical College, Japan)
29. Valerie Tesmer, Ph.D., 1996-1999 (University of Michigan, Research Scientist)
30. Deborah Fredericks, Ph.D., 1996-1997 (lost contact)
31. James Norton, Ph.D., 1996-1998 (Vice President, Amgen Corp., CA)
32. Charles Epstein, Ph.D., 1996-1997 (second postdoctoral position at Princeton)
33. Carmela Morales, M.D., 1996-2000 (Professor, UT El Paso)
34. Michael Hu, Ph.D. 1998-2000 (changed to computer science)
35. Kazuhiro Abeyama, M.D., Ph.D, 1998-1999 (academic position in Japan)
36. Lance Ford, Ph.D., 1998-2001 (Senior Scientist, Ambion, Inc. Austin, Senior Scientist, Bioos, Austin)
37. Xiaoming Yi, Ph.D., 1998-2002 (Research Scientist, UT Southwestern)
38. Laura White, M.D. 2000-2002 (private practice in Austin, TX)
39. Yu-Sheng Cong, Ph.D., 2000-2002 (2002-2005, Assistant Professor and Director of Proteomics, Department of Microbiology and Immunology, University of Louisville School of Medicine, KY; 2005- Professor of Cell Biology, Beijing Normal University, China)
40. Meaghan Petty Granger, M.D., 2000-2003 (Pediatric Oncology, Ft Worth, Texas)
41. Brittney-Shea Herbert, Ph.D. 1998-2002 (Associate Professor, University of Indiana Medical Center, Indianapolis, IN)
42. Susanne Steinert, Ph.D. 1998-2004 (Research Scientist, France)
43. Nicholas Forsyth, Ph.D., 2000-2004 (Senior Scientist, Roslin Institute, Edinburgh, Ireland)
44. Melville Vaughan, Ph.D. 1999-2004 (Associate Professor, Oklahoma State University),
45. Oliver Bechter, M.D., 2001-2004 (Associate Professor, Internal Medicine, Innsbruck, Austria)
46. Ginelle Gellert, Ph.D. 2003-2005 (Associate Professor, Tarrant County Community College, Ft Worth, TX, 2005-2007; Associate Professor, TCU 2007-present)
47. Masahiro Takakura, M.D., Ph.D. 2002-2005 (Professor, Kanazawa University School of Medicine, Obstetrics and Gynecology, Japan)
48. Weihang Chai, Ph.D., 2001-2005 (Associate Professor with tenure, Washington State University).
49. Virginia Pearce, Ph.D. 2001-2005 (Associate Professor, University of North Texas Health Science Center at Fort Worth, 2005-present)
50. Shalmica Jackson, Ph.D. 2004-2006 – Senior Research Scientist Sigma (Kansas City, KS)
51. Shobhana Natarjan, Ph.D. 2004-2006 – Scientific journal editor, 2012 Reata Pharmaceuticals
52. Jesper Graakjaer, Ph.D. 2005-2006–Professor, Department of Clinical Genetics, Vejle Denmark)
53. Virginia Pearce, Ph.D. 2001-2005 (Associate Professor, University of North Texas Health Science
54. Wallace Sharif, Ph.D. 2004-2007 – Assistant Professor Morehouse, Atlanta, Georgia
55. Chun-Hong Zhu, Ph.D. 2003-2008 – Assistant Professor Yangzhou University, China
56. Zhenjun Lou, Ph.D, 2004-2009 – Clinical cytogenetics program, 2012, Assistant Professor, Virginia Commonwealth University School of Medicine, Richmond, VA
57. Sebastian Biglioni, Ph.D. 2009-2010, Pharmacist
58. Calin Marian, Ph.D. 2005 –2008; Assistant Professor Department of Urology, UT Southwestern)
59. Phillip Smiraldo, Ph.D. 2006-2011 –. Senior Scientist at WIL Research, Ohio
60. Hua Guo, Ph.D., 2008-2011 Albany Medical College, second Post-doctoral Fellowship

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61. Jun Tang, Ph.D., 2008-2011 Beijing China, Started biotech company in Beijing
62. Jinyong Kim, Ph.D., 2005- 2011, second Post-doctoral Fellowship
63. Stina Singel, M.D., Ph.D., 2010- NCI T32 clinical oncology training grant award, 2010-2011, Komen Post-doctoral Fellowship 2011-2014, Current position Senior Medical Director, Genentech, San Francisco
64. Quan Wang, Ph.D. 2012-2014 Second postdoc in Indiana University
65. Guido Stadler, Ph.D. 2008-2014 American Federation of Aging Research senior postdoctoral fellowship, Senior Scientist, Berkeley Lights, Inc. Biotech, 2015
66. Wanil Kim, Ph.D., 2013-2016 (Research Scientist, Korea Pharmaceuticals)
67. Ronald Bozeman, Ph.D., 2014-2016 (Clinical Research Associate Medplace)
68. Lu Zhang, Ph.D., 2014-2018 (Senior Scientist, Abbvie, Chicago, IL)
69. Sang Bum Kim, Ph.D., 2009-2017 (Korean faculty position)
70. Tsung-Po Lai 2013-2018 CPRIT Training Grant 2016-2018 Assistant Professor, Rutgers University
71. Jennifer R. Peters-Hall 2013-2018 T32 Training Grant, Cystic Fibrosis fellowship 2015-2018. Research Scientist InGeneron, Houston TX

Current Post-doctoral Trainees:

71. Ilgen Mender 2015- CPRIT Training Grant 2016-2018, NCI T32, 2019-
72. Yanhui Li, 2016-present, NCI T32
73. Enzo Tedone, 2015-present
74. Silvia Siteni, 2018-present, CPRIT Training Grants, 2019-
75. Mazvita Maziveyi, 2018-present, T32 Training Grant

Junior Faculty Trainees:

76. Harry Papaconstantinou, M.D., 2003-2006 Assistant Professor Surgery, currently Scott and White full time clinical practice
77. Dojun Yoon, Ph.D. 2004-2007 – Associate Professor/visiting faculty, currently in academia in Korea
78. Danielle Robertson, D.O., 2004-2009 K08 co-mentor, Currently on faculty at UT Southwestern
79. Yong Zhao, Ph.D., 2009-2011 - Assistant Instructor, UT Southwestern, Cell Biology, Associate Professor Sun Yat-Sen University, China
80. Andres Roig, M.D. 2005– T32 training grant award, AGA transition to independence grant (July 2008- July 2010), Assistant Instructor UT Southwestern, Internal Medicine 2009-2010, Research Scholar Award 2010-2012; Linscheer Foundation named recipient as the highest ranked AGA Research Scholar applicant; Assistant Professor, Internal Medicine, 2010, DOCs award, 2012 private practice and affiliate with the University of Miami, Miami, FL
81. Andrew Ludlow, Ph.D. 2011-2014 NCI T32 Post-doctoral Fellowship, K99/R00 (May 2016). Assistant Instructor UT Southwestern, Assistant Professor University of Michigan, Ann Arbor, September, 2017
82. Jaewon Min 2014- CPRIT Training Grant, 2014-2016, T32 Training Grant 2017-2018, Assistant Instructor 2018-2019, Assistant Professor Columbia University Medical Center, effective January 1, 2020

Current Research Grant Support:

Southland Corporation Distinguished Chair in Geriatrics Research (2005-present)
To explore novel areas of research

Mary Kay Foundation Named Distinguished Professorship in Women's Cancer (2016-present)

Jerry W. Shay

NASA (NSCOR) – NNX15A121G (2015-2021)

Co-Principal Investigators: Albert Fornace and Jerry W. Shay

Space radiation and intestinal tumorigenesis: Risk assessment and countermeasure development

NCI Lung SPORE: P50 CA70907 (2014-2019)

Lung Cancer Specialized Programs of Research Excellence

Principal Investigator: John D. Minna (Co-investigator: Jerry W. Shay)

Project 5: Targeting telomerase for lung cancer therapeutics

Received score of 23

RO1AG001228-35 (2015-2020)

Principal Investigator: Jerry W. Shay

Gene expression in aging and development

Specific aim 1. To determine how telomere length affects nuclear organization and gene expression (Chromosome Looping, TPE),

Specific aim 2. To analyze telomere dynamics during replication, telomerase action and ALT

T32 CA124434-07 (2007-2022)

Cancer Biology Training Grant

Jerry W. Shay, Principal Investigator

Specific aim: To support pre-doctoral and post-doctoral trainees in the Cancer Biology Training Program

NASA - NNX16AE08G (2016-2021)

Mouse models of cancer risk and prevention from space radiation

Jerry W. Shay, PI

Mary Kay Ash Charitable Foundation (2019-2024)

International Postdoctoral Scholars in Cancer Research Training Program

Jerry W. Shay, PI

Current Predoctoral and Postdoctoral Awards:

NCI T32 Pre-doctoral award (2019-)

Jerry W. Shay, mentor, Ilgen Mender

Telomerase-dependent telomere targeting to enhance anti-cancer immune responses

CPRIT Cancer Intervention and Prevention Discoveries Pre-doctoral award (2016-2020)

Jerry W. Shay, mentor, Busola Alabi

3D models to study ex vivo model of intestinal disease

CPRIT Cancer Intervention and Prevention Discoveries Post-doctoral award (2018-2020)

Jerry W. Shay, mentor (Silvia Siteni, Post-doctoral trainee)

A novel approach to reducing colon cancer

NCI T32 Post-doctoral award (2018-2020)

Jerry W. Shay

Jerry W. Shay, mentor (Mazvita Maziveyi, Post-doctoral trainee)
Progressing newly identified small molecules to target metastases

Invited Seminars and Symposia:

1995-2006 (representative):

Dahlem Conference: Molecular Aspects of Aging - Berlin, Germany
Banbury Center Conference: Telomeres - Cold Spring Harbor, New York
Visiting Professor and Senior Graduate Lectureship: Umea University - Umea, Sweden
American Cancer Society, Science Writer Seminar - New Orleans, Louisiana
Senior Guest Faculty, University of Michigan Cancer/Geriatric Center, Research Retreat on Cancer and Aging - Ann Arbor, Michigan
Keynote Speaker: Fifth International Symposium of the Hiroshima Cancer Seminar: Telomeres and Cancer -Hiroshima, Japan
Keynote Speaker: Association of American Pathology - Minneapolis, Minnesota
New York Academy of Science Symposium: Telomerase - New York, New York
American Society for Hematology: Plenary Speaker - Seattle, Washington
Distinguished Invited Lecturer: Duke University Medical Center - Durham, North Carolina
AACR Conference: Cancer Susceptibility Genes and Molecular Carcinogenesis - Keystone, Colorado
9th NCI-EORTC Symposium on New Drugs in Cancer Therapy - Amsterdam, Holland
Albert Einstein 13th Annual Advances in Cancer Treatment Research - New York, New York
AACR Annual Meeting: Telomerase, Cell Senescence and Cancer - Washington D.C.
Austrian Society of Hematology and Oncology - Graz, Austria
Mayo Cancer Center Grand Rounds - Rochester, Minnesota
Johns Hopkins University: Distinguished Oncology Series - Baltimore, Maryland
Genetic Toxicology Association: Keynote Speaker - Wilmington, Delaware
New Jersey Annual Cancer Symposium: Keynote Speaker - New Brunswick, New Jersey
Program Chairman, NCI Sponsored Workshop: Telomerase as an Early Detector of Cancer - Bethesda
8th Pezcoller Symposium; Genomic Instability and Immortality in Cancer - Trento, Italy
Program Chairman: First Geron Telomerase and Cancer Symposium - Hawaii, Hawaii
The Molecular Biology of Colorectal Cancer: Keynote Speaker - Minneapolis, Minnesota
2nd Wendy Reves International Symposium on Breast Cancer Research - Dallas, Texas
Distinguished Visiting Scientist, Bristol-Myers Squibb - Princeton, NJ
Banbury Center Conference: Telomeres and Telomerase - Cold Spring Harbor, New York
15th International Bayer Pharmaceutical Press Seminar: New Approaches to Cancer Therapy - New York, Norway
Norwegian Oncology Forum: Keynote Speaker - Trondheim, Norway
Distinguished Lichfield Lectureship - University of Oxford
Ciba Foundation Symposium on Telomeres and Telomerase - London, UK
AACR Annual Meeting, Chairman Educational Session on "Telomerase, Senescence and Cancer" - San Diego, California
American Society for Clinical Oncology (ASCO) 33rd Annual Meeting, Chairman Scientific Symposium on Telomerase - Denver, Colorado
Distinguished visiting scientist lecture - Albany Medical College, NY
Keynote Speaker "Aging and Corneal Dystrophies" - Boston, MA
Winship Cancer Center - Emory University School of Medicine - Elkin Distinguished Lectureship - Atlanta, Georgia
American Society Hematology - Plenary Session - San Diego, CA
Keynote speaker: DNA diagnosis and tumor markers - Tokyo, Japan

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Ralph R. Braund Distinguished Visiting Scientist, Forum on Cancer Research -Memphis, TN
Program Chairman: 2nd Geron Cancer and Aging Symposium - Kapalua, Maui
Wellcome Visiting Professorship in Basic Medical Sciences, Duke University Medical
The Miami Nature Biotechnology Winter Symposium - Miami, FL
UC, San Diego Cancer Center and Division of Hematology-Oncology Lee Bartell Foundation
Visiting Professor.

Program Chairman, Telomerase and Telomere Dynamics in Cancer and Aging - San Francisco, CA
Peter P. Lamy Memorial Lecture - American Society of Consultant Pharmacists, Boston, MA
Cell Cycle 2001/ Molecular Basis of Cancer: Signaling to Cell Growth and Death
Keystone Symposium, Taos, New Mexico

US/Japan Cancer Symposium on Genetic Instability and Cancer, Tokyo, Japan

Rockefeller University: Seminar in Clinical Research

Stanford University Medical Center: "Frontiers in Cancer Series"

ARVO: "Symposium on Tissue Engineering" Ft. Lauderdale, FL

Univ. North Carolina - "Aging and Senescence Symposium"

Genentech Invited Seminar

M.D. Anderson Cancer Center: Cancer Medicine Grand Rounds

Eurocancer, Paris France, Plenary Speaker

UKEMS Invited Keynote Speaker "Cell senescence, telomere and telomerase in tumor
suppression and carcinogenesis" Nottingham, UK

Keynote Speaker "Biological Therapy of Cancer: From Basic Research to Clinical
Applications" EORTC/NCI/CRC/BTDG/DGHO Munich, Germany

Plenary Session Keynote Speaker: Japanese Society of Human Genetics: Tokyo, Japan
Dana Farber Cancer Center, Invited Seminar

Invited Speaker "Advances in Telomere Biology" ISREC, Lausanne, Switzerland

IARC, Cancer Genetics Course - Bertinoro, Forli, Italy.

Keystone Symposium - Genomics and Genetics of Senescence and Cancer

University of Pittsburg, Crano Lecture.

Invited Speaker "Impact of Cancer Biotechnology on Predictive Oncology and Therapy" Paris France

Student research week, Keynote Speaker Texas Tech University

AACR Annual Meeting- San Francisco Plenary speaker two sessions

Carnegie Mellon - student invitation

Cancer Congress - Keynote speaker San Luis Potosi, Mexico

Invited Speaker EURESCO Aging Conference Spetses, Greece

Invited Speaker Singapore Ageing and Age-related Disease

August 3-6: US/Japan NCI meeting on telomerase therapeutics, Maui, Hawaii

International Agency for Research on Cancer, Cancer Genetics Course - Bertinoro, Italy Italy.

British Association of Cancer Research Cancer Conference, Oxford

Invited Participant Banbury Conference on Immortalization, Cold Spring Harbor, NY

Keynote Speaker Millennial Frontiers in Biosciences, Cheongju, Korea

Frobeck Foundation Conference, Hilton Head, SC

Symposium Chairman, AACR Special Conference on "Telomeres and Telomerase in
Cancer" San Francisco, CA

Cold Spring Harbor Telomere meeting

Aspen Cancer Conference, Inc.

Vancouver, Canada - International Lung Cancer Symposium

Munich Germany - Biological therapy of cancer

Queen's College, Cambridge, England International Association of Biomedical Gerontology

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Sante Fe, NM: New therapies and diagnosis of lung cancer
Washington University School of Medicine, St Louis, MO: Leonard J. Tolmach Distinguished Lecture and Symposium
Madrid – Telomere meeting , Co-organizer
Singapore - BMRC Distinguished Visitor
San Diego, CA - Targeted therapies for the treatment of lung cancer, invited faculty
Milan Italy - IFOM-IEO Cancer Symposium, Invited Speaker
Cambridge England - EMBO/58th Harden Conference on Telomeres and Genome Stability
St. Petersburg, FL - 33rd Annual meeting of the American Aging Association, Invited Speaker
Singapore - Keynote speaker: Third Asia Pacific Conference on Anti-Ageing Medicine
Honolulu, Hawaii - Invited speaker, International Society for Differentiation
Aussois, France - Invited speaker, Gordon Conference on Aging
Houston, TX - Blaffer lecture, M.D. Anderson Cancer Center
North Cyprus - Invited speaker, British Association for Cancer Research, Stem Cells and Telomerase: Targets for transformation and therapeutic applications
San Francisco, CA - Symposium Chairman, AACR Special Conference on “Telomeres and Telomerase in Cancer”
Las Vegas, NM - AAAAM keynote speaker
Laussane Switzerland - ISREC Conference, Cell and Molecular Biology of Cancer, Lausanne, Switzerland
Keystone, CO - Invited Speaker Cellular Senescence and Cell Death
Taos, NM - Keynote Invited Speaker Genome Instability and Repair
Sydney, Australia - Garvan International Fellowship Program Distinguished Lecture
Cincinnati, OH - Edward Gall named lecture, University of Cincinnati Medical Center
Scottsdale, AZ - Leukemia and Lymphoma Society, Invited Speaker
Madrid, Spain - Cancer and Aging, CNIO Cancer Conference, Invited Speaker
St Andrews, Scotland - Cancer Stem Cell Symposium, Invited Speaker
Venice, Italy - NASA – Microdosimetry Conference, Italy, Invited Speaker
Washington, D.C. - AACR Special Conference on Cancer Stem Cells, Invited Speaker
Taipei, Taiwan - International Conference on Telomerase, Keynote Speaker
Washington D.C. - AACR annual meeting, Invited Educational Workshop Speaker and Invited Speaker to major symposium
Genome Stability ASBMB annual symposium, Invited Speaker
National Cancer Institute of the Netherlands, Invited Speaker
Kansas City, Mo. - Stowers Institute, Invited Speaker
Kristineberg, Sweden - Wenner-Gren Foundation. Marine Research Station on Aging
Davos, Switzerland - SFFI International Congress,
Villar-sur-Oillon, Switzerland - Telomeres and Genome Stability, Invited Speaker,
York, England - Co-organizer BACR Conference on Stem Cells and Telomerase
Istanbul, Turkey - 5th European Congress of Biogerontology, Invited Speaker
Beijing China - 5th Pacific-Asian Cell Biology Conference, Invited Speaker
Boston, MA. John B. Little Symposium, Invited Speaker
Madrid, Spain, Co-organizer CNIO conference on telomeres and telomerase
Innsbruck, Austria - European Research on Ageing Symposium, Invited Keynote Speaker

Invited Seminars and Symposia 2007:

Feb 21-23: – AACR special conference on Aging and Cancer – San Diego, CA.

Jerry W. Shay

March 24-28: – Jack Gross Memorial Lecture – Jerusalem, Israel
April 4-5: – Invited Speaker, University of Pittsburgh
April 10-15: – Aging Conference – Titisee Germany
May 2-4: – CSH meeting on telomeres, NY – invited speaker and session chair
May 7-9: – Invited speaker, National Institutes of Aging, Baltimore, MD
May 20-24: – 12th International Association for Biomedical Gerontology – Spetses, Greece
June 17-20: – Beatson International Cancer Conference, Glasgow, Scotland
July 13-15: – NASA Investigator's Workshop – Sonoma, CA
July 19-25: – Keynote Speaker, Genomic Instability and Cancer, Srinagar, Kashmir India
July 26-29: – Senescence, Aging, and Cancer - Ames, Iowa, Invited Speaker
Sept 1-6: – ISLAC International Congress – Seoul, Korea
Oct 4-7: – European Conference on Cancer and Ageing – Warsaw Poland
Oct 11-14 – Aging symposium - Jena Germany
Nov 4 – Distinguished Visiting Professor - Pathology Grand Round, Johns Hopkins
Dec 7-9: – AACR special conference on Telomerase – San Francisco, CA

Invited Seminars and Symposia 2008:

Feb 20-22: – Targeting therapies for lung cancer. Santa Monica, CA
April 27-30: – CSH Banbury Conference on Aging
May 18 – DDW GRG plenary speaker San Diego
June 1-4: – BACR (co-organizer) Stratford on Avon, UK Stem cell meeting
June 5-7: – Veilje Denmark, Conference on Aging
June 27-28: – UCLA Aging Conference invited speaker
Sept 9 – Texas A&M. Cell and Molecular Program lecture for students
Sept 15-19: EMBO telomeres and the DNA damage responses, invited speaker, Switzerland
Oct 18-22: – EMS keynote, plenary lecture, Puerto Rico
Nov 13-15: – Experimental Therapeutics - Early Novel Agents Session – Chicago
Nov 18-22: – Palermo, Sicily (keynote talk) Aging Symposium

Invited Seminars and Symposia 2009:

Feb 20-21: - Targeting therapies for lung cancer. Santa Monica, CA, Invited faculty
Feb 26-27: – External Advisory Board UC San Diego Cancer Center and Translation Oncology Symposium
July 6-10: – 5th International Workshop on Space Radiation Research, Cologne, Germany, organizing committee and invited speaker
Sept 29 – Invited seminar, Hematology/Oncology, U Penn School of Medicine
Oct 9-14: – Telomere biology and DNA repair, Keystone Conference, Ashmore, Australia, Invited
Oct 27 – Dean's Distinguished Lecture, Georgetown University Medical Center, Washington, DC
Nov 12 – Invited seminar, Salk, La Jolla, CA.

Invited Seminars and Symposia 2010:

Feb 24-27: - Targeted therapies for lung cancer. Santa Monica, CA, Invited faculty
Feb 27-March 2: - AACR Special Conference on Telomeres and Telomerase, Fort Worth, TX Keynote speaker
April 17-21 - AACR annual meeting, invited major symposium speaker, Washington, DC
June 11-16: - 50th BACR conference. Edinburgh Scotland, Invited speaker
September 20: Usha Mahajani Symposium - Salk Institute, La Jolla, CA, Invited Speaker
Sept 26-29: - Presidential Symposium Radiation Research Society, Maui, Invited Speaker

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Oct 19-22: - Human cell culture models, Montreal, Quebec, Invited Speaker
Nov 1-4: Dasan Conference: Translational Approaches to Aging, Keynote Speaker, Puyo, Korea
Dec 8-10: NCI workshop on Telomeres and Telomerase Dysfunction in Cancer, Bethesda, MD, Invited Speaker

Invited Seminars and Symposia 2011:

Feb 23-25: - Targeting therapies for lung cancer. Santa Monica, CA, Invited faculty
March 19-20: - Stem cells in liver diseases and cancer: discovery and promise. AALSD, Atlanta, Georgia, invited faculty
April 12-15: IAA Humans in Space Symposium, Houston, Texas, Invited speaker
April 20-23: - Frontier in human stem cells, Amman, Jordan, invited faculty
June 3-4: - Senescence in Cancer, Berlin, Germany
August 10-14: - Mechanisms & Models of Cancer, Salk Institute, La Jolla, CA, Invited faculty
Sept 9: Virginia Commonwealth University, School of Medicine, Distinguished Scientist Lecture Series
October 2-8: MBL course on stem cells and regeneration, Woods Hole, Invited faculty
Oct 21: UT MD Anderson Grand Rounds, Invited Speaker
November 15-16: - The next 20 years of telomere research, Ramon Areces Foundation, Co-Organizer, Madrid, Spain

Invited Seminars and Symposia 2012:

February 6-10: 14th International Workshop on Ataxia-Telangiectasis, New Delhi, India, Invited Speaker
February 18-19: Molecular Medicine Tri-Conference on Cancer Stem Cells, San Francisco, CA, Invited Speaker
February 27-28: Chair Study Section Cancer Panel: New York Stem Cell Initiative, Reston, VA
March 25-29: Gordon Conference on DNA damage, mutation and cancer, Ventura, CA, Invited Speaker
April 4-5: Lecture on Stem Cells, Advanced Diversity Training in the Frontiers of Aging and Regeneration Research, Howard University, Washington, DC., Invited Faculty
July 11-12: UT Academy Awards Ceremony and UT Regents' Outstanding Teaching Award
September 12-14, British Association of Cancer: Chasing cancer stem-like cells, Harrogate, North Yorkshire, Invited Speaker
October 1-6: MBL course on stem cells and regeneration, Woods Hole, Invited faculty
Oct 16-18: AACR Chemoprevention Conference, Invited Speaker, Anaheim, CA.

Invited Seminars and Symposia 2013:

Feb 2-9: Invited Faculty – Frontiers in Stem Cells in Cancer, Ponce, Puerto Rico
Feb 27-March 1: Panel member – DOD Breast Cancer Research Program
March 12: Keynote Invited Speaker – University of Pittsburgh Cancer Center – Annual Retreat
April 6-10: AACR Annual Meeting, Invited Speaker – Current Concepts in Aging, Telomeres and Cancer
July 20-23: Welcome Trust – Invited Speaker – Cell Senescence in Cancer and Ageing, Hinxton, Cambridge, UK
August 14-15: Invited seminar speaker U. of Michigan, Ann Arbor, MI
August 27-28: NCI invited participant Workshop on Organoids
September 22-25 Keynote invited speaker Workshop on 3D culture models for radiation and cancer research, Rotterdam, The Netherlands
Oct 16-18: NCI review panel on provocative questions on senescence, Bethesda, MD
Oct 27-30: New York Stem Cell Panel
November 3-6: Invited speaker, 29th annual meeting of ASGSR, Orlando, Florida

Jerry W. Shay

Invited Seminars and Symposia 2014:

April 28-30: NCI panel, Washington DC
May 10-12: Frontier in Aging and Regeneration Course, Faculty, Atlanta Georgia
May 14-16: NSF Workshop on Aging, Co-Organizer, Washington DC
June 11-12: Brookhaven National Laboratory, Faculty NASA summer school
June 15-19: Hong Kong Medical Research Council
July 7-14: Invited speaker at 3 universities in China, Guangzhou, Hanzhzhou, and Beijing
July 23-25: HHMI Gillam retreat, Washington DC
July 25-26: NCI lung cancer SPORE speaker, Washington DC
July 27-29: DOD breast cancer panel, Washington DC
September 9-10: Invited speaker Young Professional Organization (YPO), San Francisco, CA
September 11-12: Invited speaker Cleveland Heart Lab 2014 Symposium, Cleveland, OH
September 28-29: Invited faculty in the Frontiers in stem cells and regeneration, advanced training course, MBL, Woods Hole, MA
October 7-8: Invited speaker Morehouse College, Biology Seminar Series
October 20-21: NCI Institutional Training and Education Grants Study Section
October 29-30: NCI Special Emphasis Panel Provocative Questions Group B
November 17-20: Biological diversity in telomere dynamics, invited speaker, Glasgow, Scotland
November 29-December 2: Invited speaker Hacettepe University Faculty of Medicine, Ankara, Turkey

Invited Seminars and Symposia 2015:

February 25-26: University of Miami School of Medicine, Invited Consultant, Miami, FL
March 30-31: Invited Participant, UT Systems Workshop on Hepatocellular Carcinoma, Austin, TX
April 28-May 2: Cold Spring Harbor meeting on Telomeres and Telomerase, invited speaker
May 11-12: Frontiers in Aging and Regeneration Research, invited faculty, MBL, Woods Hole, MA.
June 15-18: Hong Kong Medical Research Council
June 22-23: Brookhaven National Laboratory, Faculty NASA summer school
August 17-20: SFR Research Symposium, invited speaker, San Francisco, CA
September 27-29: Frontier in Stem Cells and Regeneration, Advanced Training Course, invited faculty, MBL, Woods Hole, MA
October 19-20: Hallmarks of Cancer Symposium, invited speaker, Houston TX
October 25-27: Cancer Biology Retreat for CABTRAC, invited participant, Kiawah Island, SC
November 2-5: 2nd Workshop on the Biological Diversity in Telomere Dynamics, invited speaker, Glasgow, Scotland
November 29-Dec 2: 3rd International Genomic Medicine Conference, Invited Keynote Speaker, Jeddah, Saudi Arabia

Invited Seminars and Symposia 2016:

January 28-29: 2nd Think Tank on Integrating New Molecular Targets in Acute Leukemias and Myeloproliferative Neoplasms, Irving TX, invited speaker
February 8-11: Human Research Program, NASA, Galveston TX, invited speaker
February 24-26: University of Florida, Gainesville, FL, Endocrinology Grand Rounds, Internal Medicine Grand Rounds
April 20-21: Distinguished Visiting Scholar, The Chinese University of Hong Kong
June 15-18: Hong Kong Medical Research Council and lecture at Prince Wales Hospital
June 26-29: New Technologies Advance Toward a One-Time Cure of Cystic Fibrosis, Savannah, GA
September 3-4: Distinguished Visiting Scholar, Duke-NUS Medical School, Singapore

Jerry W. Shay

September 5-9: Cold Spring Harbor Asia Conference, Suzhou, China, Telomere and Telomerase,
Co-organizer and Keynote Speaker

September 10-13: Distinguished Visiting Scholar, Hangzhou Normal University School of Medicine,
Hangzhou, China

November 2-5: 3rd Workshop on the Biological Diversity in Telomere Dynamics, invited speaker,
Edinburgh, Scotland

Invited Seminar and Symposia 2017:

January 22-25: Human Research Program, NASA, Galveston TX, invited speaker

January 27-28: 3rd Think Tank on Integrating New Molecular Targets in Acute Leukemias and
Myeloproliferative Neoplasms, Dallas, Texas, invited speaker.

February 11-12: Frontiers in Stem Cells. Awarded the Eunice Kennedy Shriver NIH Alliance for
Regenerative Rehabilitation Research and Training Pioneer Award.

May 22-26: International Symposium on Space Radiation and Therapy, Suzhou, China, invited speaker

June 11-14: Hong Kong Medical Research Council

August 26-30: International Symposium on the Role of Aging and Cancer, Keynote speaker, Tokyo,
Japan

September 21-23: Distinguished lecture LSU School of Medicine, New Orleans

September 26-28: Second Neuroblastoma New Drug Development Strategy Meeting, Cambridge, UK

October 3-8: Telomere Diversity Workshop, Invited speaker, Edinburgh, UK

October 11-13: Frontier in Stem Cells and Regeneration, Advanced Training Course, invited faculty,
MBL, Woods Hole, MA

Invited Seminar and Symposia 2018:

February 2 Baylor College of Medicine, Department of Molecular Physiology and Biophysics, Invited
Retreat Keynote Speaker, Houston, TX

April 22-23: Phillip and Majorie Newmark Award Lecture, Molecular Bioscience Department, University
of Kansas Lawrence, KS

June 6-8: Chair, NCI PO1 Study Section Panel

June 13-15: The 2018 Conference on Human Cell Transformation: Advances in Cell Models for the
Study of Cancer and Aging. McGill University, Montreal Canada

June 21-22: Aging and Anti-Aging Center at the Integrative Genomics at the University of Lausanne,
Switzerland

October 19-21: International Conference on Ageing Biology, Changsha, China, Keynote Lecture

October 22-26: Cold Spring Harbor Asia Conference, Suzhou, China, Telomere and Telomerase,
Co-organizer and Invited Speaker

October 28-30: 13th International Skin Carcinogenesis Conference, Invited Speaker, Austin, TX

Nov 1-2: NCI panel on individual training application (F-grants)

November 8: Vontz Center Cancer Seminar Invited Speaker, University of Cincinnati

Dec 3-6: Hong Kong Research Grant Council and Symposium for Collaborative Research Grants

Invited Seminar and Symposia 2019:

March 26-27: Invited speaker, Cellular Senescence, Rostock, Germany

March 28-31: Invited speaker, Undoing Aging, Berlin Germany

April 8-9: Invited speaker, Kansas University Medical Center, Kansas City, MO

July 1-4: Invited speaker, Gordon Conference, Translational Cancer Genomics, Hong Kong

July 15-17: Invited Distinguished speaker, Human cell transformation, York, England

Jerry W. Shay

Sept 26-28: Invited Speaker, Japanese Cancer Association, Kyoto, Japan

October 8-11: Chair, Research Grants Council, Hong Kong

October 16-19: Forbeck Conference, Targeting Telomeres in Cancer, Co-organizer with Titia DeLange, Denver, CO

November 3-5: Distinguished lecture, Indiana University School of Medicine –South Bend, IN

December 1-5 : Invited speaker, Forbes conference on healthy aging.

Invited Seminar and Symposia 2020:

March 11-12: NCI panel on individual training application (F-grants)

September 13-16: Senescence and Crisis as Proliferative Barriers in Cancer, Edinburgh

October 26-28: Keynote speaker, Cancer Research and Drug Development, Baltimore MD

November 2-4: Frontiers in Cancer Science 2020, Singapore

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2. Rash J., **Shay, J. W.** and J. J. Biesele. Cilia in cardiac differentiation. *J. Ultrastruct. Res.*, 29:470-484, 1969.
3. **Shay J. W.**, Dobson W. J., Simmons, E. E., Biesele, J. J. and O. P. Breland. Subunits of flagellar accessory tubules. *Tissue Cell*, 1:593-596, 1969.
4. Rash, J., **Shay, J. W.** and J. J. Biesele. Preliminary biochemical investigations of the intermediate filaments. *J. Ultrastruct. Res.*, 33:399-408, 1970.
5. **Shay, J. W.** Electron microscope studies of spermatozoa of *Rhynchosciara sp.*: Disruption of microtubules by various treatments. *J. Cell Biol.*, 54:598-608, 1972.
6. **Shay, J. W.** Ultrastructural observations on the acrosome of *Lumbricus terrestris*. *J. Ultrastruct. Res.*, 41:572-578, 1972.
7. Veomett, G., Prescott, D., **Shay, J. W.** and K. R. Porter. Reconstruction of mammalian cells from nuclear and cytoplasmic components separated by treatment with cytochalasin B. *Proc. Natl. Acad. Sci. U.S.A.*, 71:1999-2002, 1974.
8. **Shay, J. W.**, Porter, K. R. and D. M. Prescott. The surface morphology and fine structure of CHO cells following enucleation. *Proc. Natl. Acad. Sci. U.S.A.*, 71:3059-3063, 1974.
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10. Veomett, G., **Shay, J. W.**, Hough, P. and D. M. Prescott. Large scale enucleation of mammalian cells. *Methods Cell Biol.*, 13:1-3, 1976.

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