

**Jerry W. Shay**

## **CURRICULUM VITAE**

**Jerry W. Shay**

**Office Address:** Department of Cell Biology  
The University of Texas Southwestern Medical Center at Dallas  
5323 Harry Hines Boulevard  
Dallas, Texas 75390-9039

TEL: (214) 633-1994  
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 and Development (Dennis McKearin, Ph.D., John Abrams, 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-	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 Training, Senior Leadership Committee, The University of Texas Southwestern Simmons NCI Designated Comprehensive Cancer Center
2012-	ISI Highly Cited Researcher (F-7878-2011) Distinguished Honorary Professor Center of Excellence in Genomic Medicine Research King Abdulaziz University Jeddah, Saudi Arabia

### **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

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1998	Popular Science “Best of What’s New” Award for Science and Technology
1999	Burroughs Wellcome Fund and FASEB: Basic Medical Science Visiting Professorship
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 6 <sup>th</sup> 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 (SWAT)
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.

## **Teaching Experience:**

1. The University of Texas Southwestern Medical Center at Dallas:
  1. Body Structure Foundations, Microanatomy: Cells (2015-)  
Co-director with 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)
  9. Course Director, Cancer Biology for first year Graduate Students (2004-present)
  10. Lectures, Responses to Stress, Integrative Biology Course (2006-2010)

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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 Director, Hypothesis Testing/Grant Writing for second year and advanced graduate students in the Cancer Biology Program (2007-present)
  13. Course Co-director, Hallmarks of Cancer (2011-2013)
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:**

- |           |                                                                                                                  |
|-----------|------------------------------------------------------------------------------------------------------------------|
| 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, Simmons NCI Designated Comprehensive Cancer Center |

### **National Committees:**

- |           |                                                                                                                                      |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                            |
| 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.                                                                        |

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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-present	NY Stem Cell Initiative Review Committee
2008-present	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- present	Research Grants Council, Hong Kong
2013-present	Faculty of 1000
2015	Founding Scientist Elizabeth Pharmaceuticals, Inc.
2016-present	Research Grants Council, Singapore

## **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
1998-	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

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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 data: 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"
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

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19. U.S. Patent “Screening Methods to Identify Inhibitors of Telomerase Activity”  
# 6,391,554 Issue date: 5/21/2002
20. U.S. Patent “Detecting Cancerous Conditions by Assaying for Telomerase Activity”  
# 6,551,774 Issue date: 4/22/2003
21. U.S. Patent “Diagnostic Methods for Conditions Associated with Elevated Cellular Levels of Telomerase”  
#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 Submitted #25301016 03/24/2016 “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”

## 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 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, Faculty 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, Assistant Professor, University of Colorado Health Center, Denver)
11. Joseph Baur 1999-2003, Ph.D., 2003  
(Postdoctoral fellow, Harvard University 2003-2008, 2008- Assistant Professor, U. Pennsylvania)

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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.
19. Hirotooshi Hoshiyama 2005-2010, Telomerase promoter viral therapy, Oncolys BioPharma, Tokyo, Japan
20. Christin 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.
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
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
27. Mandy (Sze) Wong 2010-2014, DOD Pre-doctoral breast cancer fellowship, Postdoctoral fellowship in Adrian Kranier's lab Cold Spring Harbor Laboratories
28. Jerome Robin 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-Ashwamy 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



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38. Krisha Luitel – 2014 - HHMI Training Grant in Mechanisms of Disease, Cancer Center Fellowship
39. Busola Alabi - 2016 - CPRIT Predoctoral Fellowship 2016-2018

### **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, 1999-2005; 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)
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)

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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
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 Staff, 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)

## **Current Post-doctoral Trainees:**

69. Sang Bum Kim, Ph.D., 2009-present
70. Tsung-Po Lai 2013- CPRIT Training Grant 2016-2018
71. Ilgen Mender 2015- CPRIT Training Grant 2016-2018
72. Jennifer R. Peters-Hall 2013- T32 Training Grant, Cystic Fibrosis fellowship 2015-2018

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73. Jaewon Min 2014- CPRIT Training Grant, 2014-2016, T32 Training Grant 2017-

74. Enzo Tedone, 2015-present

### **Junior Faculty Trainees:**

75. Harry Papaconstantinou, M.D., 2003-2006 Assistant Professor Surgery, currently Scott and White full time clinical practice

76. Dojun Yoon, Ph.D. 2004-2007 – Associate Professor/visiting faculty, currently in academia in Korea

77. Danielle Robertson, D.O., 2004-2009 K08 co-mentor, Currently on faculty at UT Southwestern

78. Yong Zhao, Ph.D., 2009-2011 - Assistant Instructor, UT Southwestern, Cell Biology, Assistant Professor Sun Yat-Sen University, China

79. 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 Miami, FL

80. 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

### **Current Research Grant Support:**

Southland Corporation Distinguished Chair in Geriatrics Research (2005-present)

To explore novel areas of research (shared with Woodring Wright, Ph.D, M.D.)

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

NASA (NSCOR) – NNX15A121G (2015-2020)

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

RO1AG001228-35 (2014-2019)

Principal Investigator: Woodring Wright (Co-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

## **Jerry W. Shay**

T32 CA136515-06 (2014-2019)

Physician Scientist Training Grant

Stephen Skapek, PI, Jerry W. Shay, co-PI

Specific aim: to support the stipend of oncologists in training.

CPRIT RP160180 (2016-2019)

Jerry W. Shay, Principal Investigator

Development of therapeutic targeting truncated adenomatous polyposis (APC) as a novel prevention and intervention strategy for colorectal cancer

Cystic Fibrosis Foundation (2015-2018)

Jerry W. Shay, PI

Genomic editing of normal and CF human lung epithelial cells

Specific aim: To develop better lung epithelial culture conditions to permit genome editing and the potential use of the isogenic cell strains for drug screening.

NASA - NNX16AE08G (2016-2020)

Mouse models of cancer risk and prevention from space radiation

Jerry W. Shay, PI

### **Predoctoral and Postdoctoral Awards:**

CPRIT Cancer Intervention and Prevention Discoveries Post-doctoral award (2016-2018)

Jerry W. Shay and Woody Wright, co-mentors (Tsung-Po Lai, Post-doctoral trainee)

TeSLA, Telomere Shortest Length Assay, a method for measuring all the shortest telomeres

T32 Basic Science Training Grant, Post-doctoral award (2014-2015)

Cystic Fibrosis Foundation, Post-doctoral award (2015-2018)

Jerry W. Shay, mentor (Jennifer Peter-Hall, Post-doctoral trainee)

Novel models to study ex vivo models of lung disease.

NCI T32 Pre-doctoral award (2016-2018)

Jerry W. Shay, mentor, Krishna Lutiel

Mouse models of lung cancer initiation and progression

CPRIT Cancer Intervention and Prevention Discoveries Pre-doctoral award (2016-2018)

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 (2016-2018)

Jerry W. Shay, mentor (Ilgen Mender, Post-doctoral trainee)

A novel telomerase mediated telomere uncapping therapy for advanced cancer

**Jerry W. Shay**

**Major Invited Seminars and Symposia:**

**1995-2003 (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,  
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

## **Jerry W. Shay**

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

## **Jerry W. Shay**

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

### **Invited Seminars and Symposia 2004:**

January 14 – New York, NY - Skin and Aging Symposium, Keynote Speaker

February 19-22: – San Diego, CA - Targeted therapies for the treatment of lung cancer, invited faculty

March 11-14: – Milan Italy - IFOM-IEO Cancer Symposium, Invited Speaker

April 3-7: – Cambridge England - EMBO/58th Harden Conference on Telomeres and Genome Stability

June 4-5: – St. Petersburg, FL - 33rd Annual meeting of the American Aging Association, Invited Speaker

June 24-27: Singapore - Keynote speaker: Third Asia Pacific Conference on Anti-Ageing Medicine

Sept 5-9: Honolulu, Hawaii - Invited speaker, International Society for Differentiation

Sept 11-17: – Aussois, France - Invited speaker, Gordon Conference on Aging

Sept 28 – Houston, TX - Blaffer lecture, M.D. Anderson Cancer Center

October 12-16: – North Cyprus - Invited speaker, British Association for Cancer Research, Stem Cells and Telomerase: Targets for transformation and therapeutic applications

November 3- 6: – San Francisco, CA - Symposium Chairman, AACR Special Conference on “Telomeres and Telomerase in Cancer”

November 16 – Philadelphia, PA - Invited speaker, University of Pennsylvania

Dec 3 – Fort Collins, CO - Invited speaker, Colorado State University

Dec 5 – AAAAM keynote speaker, Las Vegas, NV

### **Invited Seminars and Symposia 2005:**

Jan 19-22: – ISREC Conference, Cell and Molecular Biology of Cancer, Lausanne, Switzerland

Feb 10-13: – Targeted Therapies for Lung Cancer, Steamboat Springs, Colorado

March 3-9: – Invited Speaker Cellular Senescence and Cell Death, Keystone, Colorado

March 15-20: – Keynote Invited Speaker Genome Instability and Repair Taos, New Mexico

March 21 -25: – Garvan International Fellowship Program Sydney, Australia

April 14 – Edward Gall named lecture, University of Cincinnati Medical Center

April 29 – Nurses Oncology Conference: Keynote Symposium Invited Speaker

June 7 – Endocrinology Society Annual Meeting; Major Symposium Invited Speaker

July 24-29: – Gordon Research Conference on Cancer, Bryant College, NH, Invited Speaker

Aug 27-28: –Targeting Therapies for Cancer, Washington, D.C., Invited Speaker

Sept 22-24: – Leukemia and Lymphoma Society, Scottsdale, AZ, Invited Speaker

Sept 29-Oct 2: – Prostate Scientific Retreat, Scottsdale AZ, Invited Speaker

Nov 7-10: – Cancer and Aging, CNIO Cancer Conference, Madrid, Spain, Invited Speaker

Nov 10-12: – Cancer Stem Cell Symposium – St Andrews, Scotland, Invited Speaker

Nov 13-16: – NASA – Microdosimetry Conference – Venice, Italy, Invited Speaker

### **Invited Seminars and Symposia 2006:**

Jan 31-Feb 3: – Washington, D.C. AACR Special Conference on Cancer Stem Cells, Invited Speaker

March 25-28: – Taipei, Taiwan International Conference on Telomerase, Keynote Speaker

March 31 – Washington DC. AACR annual meeting, Invited Educational Workshop Speaker and Invited Speaker to major symposium

## **Jerry W. Shay**

April 4-5: Genome Stability ASBMB annual symposium, Invited Speaker  
April 20-23: – National Cancer Institute of the Netherlands, Invited Speaker  
April 26 – Kansas City, Mo. Stowers Institute, Invited Speaker  
May 7-9: RecQ helicases and other helicases in telomere maintenance and related pathways National Conference Center, Landowne, VA, Invited Speaker  
June 4-9: – NASA Investigator's meeting – Moscow and St Petersburg, Russia  
June 14 -17: – Wenner-Gren Foundation. Kristineberg, Sweden Marine Research Station on Aging  
June 23-29: – Istanbul 31<sup>st</sup> FEBS Congress 2006, Invited Speaker  
July 30-Aug 4 – Gordon Conference on Cancer, Bryant University, RI  
August 15-17: – SFFI International Congress, Davos, Switzerland  
Aug 30-Sept 3 – Telomeres and Genome Stability, Invited Speaker, Villar-sur-Oillon, Switzerland  
Sept 4-6: – Co-organizer BACR Conference on Stem Cells and Telomerase – York, UK  
Sept 16-20: – Istanbul 5<sup>th</sup> European Congress of Biogerontology, Invited Speaker  
Oct 24-30: – Beijing – 5<sup>th</sup> Pacific-Asian Cell Biology Conference, Invited Speaker  
November 3-4: – Boston, MA. John B. Little Symposium, Invited Speaker  
November 11-16: – Madrid, Spain, Co-organizer CNIO conference on telomeres and telomerase  
Nov 28-30: – 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.  
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: – 12<sup>th</sup> 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: – Vejle Denmark, Conference on Aging  
June 27-28: – UCLA Aging Conference invited speaker  
June 29-July 4: – NASA investigators meeting, Philadelphia  
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



## **Jerry W. Shay**

Nov 16-19: – AACR prevention meeting at the Gaylord, session organizer and speaker

Nov 18-22: – Palermo, Sicily (keynote talk) Aging Symposium

### **Invited Seminars and Symposia 2009:**

Feb 2-4: – NASA Human Research Program Investigator's Workshop, League City, TX

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: – 5<sup>th</sup> 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: - 50<sup>th</sup> 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

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

Dec 5-8: King Abdulaziz University, Distinguished highly-cited researcher program, the Center of Excellence in Genomic Medicine Research, Jeddah, Saudi Arabia

### **Invited Seminars and Symposia 2012:**

February 6-10: 14<sup>th</sup> 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

## **Jerry W. Shay**

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  
October 3-6: MBL course on stem cells and regeneration, Woods Hole, Invited faculty  
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, 29<sup>th</sup> annual meeting of ASGSR, Orlando, Florida

### **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

## **Jerry W. Shay**

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: 2<sup>nd</sup> Workshop on the Biological Diversity in Telomere Dynamics, invited speaker, Glasgow, Scotland  
November 29-Dec 2: 3<sup>rd</sup> International Genomic Medicine Conference, Invited Keynote Speaker, Jeddah, Saudi Arabia

### **Invited Seminars and Symposia 2016:**

January 28-29: 2<sup>nd</sup> 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  
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: 3<sup>rd</sup> 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: 3<sup>rd</sup> 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

## **Jerry W. Shay**

### **Invited Seminar and Symposia 2018:**

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

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

November 21-27 Cold Spring Harbor Asia Conference, Suzhou, China, Telomere and Telomerase, Co-organizer and Invited Speaker

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## **Jerry W. Shay**

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## III. Books/Special Volumes Edited

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6. Telomeres and Telomerase, J.W. Shay and W.E. Wright, Guest Editors, *Oncogene Reviews*, 2002.
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