# LAURA D. ATTARDI, Ph.D.

#### **Professor**

Stanford University School of Medicine
Departments of Radiation Oncology and Genetics

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### **EDUCATION**

1984–1988 B.A. in Biochemistry, Cornell University 1987 Junior year abroad, University of Paris

1988–1994 Ph.D. in Molecular and Cell Biology, University of California at Berkeley

#### **RESEARCH TRAINING**

1983-1984	Summer student, University	of Pittsburgh School of	Medicine, laboratory of
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Dr. Robert Glew.

1985 Summer student, Carnegie Mellon University, laboratory of Dr. Sarah

Hitchcock DeGregori.

1986 Summer student, Jackson Laboratory, Bar Harbor, ME, laboratory of Dr.

Jeffrey Saffer, as part of the summer student training program.

1988–1994 Graduate student, University of California, Berkeley

Rotations in the laboratories of Dr. Sydney Kustu and Dr. Elizabeth Blackburn

Graduate research in the laboratory of Dr. Robert Tjian

Thesis: "Activation Properties of *Drosophila* Transcription Factor NTF-1"

1994–2000 Postdoctoral fellow, Massachusetts Institute of Technology, laboratory of Dr.

Tyler Jacks

### **ACADEMIC APPOINTMENTS**

2000–2008 Assistant Professor, Departments of Radiation Oncology and Genetics,

Stanford University

2008–2014 Associate Professor, Departments of Radiation Oncology and Genetics,

Stanford University

2014–present Professor, Departments of Radiation Oncology and Genetics, Stanford

University

#### **TEACHING EXPERIENCE**

1987–1988 Teaching assistant, Cornell University

Autotutorial Biochemistry

1989 Teaching assistant, University of California at Berkeley

Biochemistry laboratory

1991 Teaching assistant, University of California at Berkeley

Molecular and Cellular Biology

1996-2000	Mentor to two u	ndergraduate students	working in the lah t	hrough the
1000	riciitoi to two u	maci gradauce stademes	Wolking in the lab t	m ougn the

MIT UROP program (Undergraduate Research Opportunity)

1997 Co-organizer and co-instructor with Dr. Andrea McClatchey,

Massachusetts Institute of Technology

"Tumor Suppressor Genes" undergraduate seminar class

2000 Fall Discussion Section Leader in Stanford University Cancer Biology Course 2000–present Lecturer in Stanford University Cancer Biology core course, CBIO 241

2000-present Lecturer in Radiation Oncology residents course, RADO 202

2001–2003 Fall Discussion Section Leader in Stanford University graduate student Advanced

Genetics course

2001–present Lecturer in MI 215: Principles of Biological Technologies

2004Discussion Section Leader in Stanford University Cancer Biology course2008–2011Lecturer in Scientific Basis of Clinical Cancer Therapy course, CBIO 2422009–2011 SpringParticipant in GENE 222: Method and Logic in Experimental Genetics2009 FallDiscussion Section Leader in Stanford University Cancer Biology course

2010–2011 Spring Lecturer in BIO 44X Pilot course
2011 Fall Lecturer in GENE 203 course
2013 Spring Lecturer in BIO 110 course

2014 Fall Discussion Section Leader in Stanford University Cancer Biology course Filmed 3 lectures for XGEN202, part of Stanford Genetics and Genomics

Certificate

# **HONORS AND AWARDS**

Maud Palmer four-year full scholarship to Cornell University
Phi Beta Kappa Honor Society
Graduation with Highest Distinction, Cornell University
National Institute of Health graduate research traineeship
American Cancer Society postdoctoral fellowship
Radcliffe College Bunting Institute Science Scholar
Merck/MIT Collaboration Program Postdoctoral Fellowship
Baxter Foundation Faculty Scholar Award
Damon Runyon Scholar Award
American Cancer Society Research Scholar
AAAS Fellow
Leukemia and Lymphoma Society Scholar Award
Stanford Gabilan Fellow
NIH NCI Outstanding Investigator Award

### **PROFESSIONAL EXPERIENCE**

1996-1998	"Headlines" contributor, Trends in Cell Biology
2002-2005	Instructor, Cold Spring Harbor Laboratory Eukaryotic Gene Expression
	Course
2005-2006	Contributor, Cancer Chapter, $5^{th}$ edition Molecular Biology of the Cell
	textbook
2006-present	Co-organizer for Mechanisms and Models of Cancer Meeting, Salk Institute,
	La Iolla, CA, August 2007, 2009, 2011, 2013, 2015

2011–present	Faculty Member of Faculty of 1000
2012, April-July	Mayent-Rothschild Sabbatical Fellow, L'Institut Curie, Paris, France
2013, July	Mayent-Rothschild Sabbatical Fellow, L'Institut Curie, Paris, France
2013-2014	Invited participant, Advanced Stanford Leadership Development Program
2014, July	Mayent-Rothschild Sabbatical Fellow, L'Institut Curie, Paris, France

#### **GRANT REVIEW**

2009–2012 Scientific Reviewer for Cancer Prevention and Research Institute of Texas

Research Programs

2011 CSR/NIH - Special Emphasis Panel/Scientific Review Group
 2012-present Member of the Lustgarten Foundation Scientific Review Board

2013, Feb Expert Mail Reviewer for CAMP-NIH R01

2013, Oct Ad hoc Reviewer, CAMP-NIH Study Section Review Group

#### EDITORIAL BOARDS AND JOURNAL REVIEW

2000-present Reviewer for Genes and Development, Nature, Science, Cell, EMBO Journal,

Molecular and Cellular Biology, Cancer Research, Molecular Biology of the Cell, Nature Cell Biology, Nature Genetics, Nature Medicine, PNAS, Molecular Cell,

Cell Stem Cell, Oncogene

2009–present Member, Editorial Board, Oncogene

2015–2017 Member, Editorial Board, The Journal of Cell Biology

2014–present Member, Editorial Committee, Annual Review of Cancer Biology

### **PROFESSIONAL MEMBERSHIP**

1994-present	American Association for the Advancement of Science
2001-present	American Association for Cancer Research

2001–present Radiation Research Society

2003–present Member of the Stanford Bio-X Program

2006–present Member of the Stanford Comprehensive Cancer Center

2009-present Member of the Stanford Institute for Stem Cell Biology and Regenerative

Medicine

#### **STANFORD UNIVERSITY SERVICE**

2002-2005	Cancer Biology Program Committee
2002 2005	Assistant Course Divertor, Concer Pielegy Core Co

2003–2005 Assistant Course Director, Cancer Biology Core Course

2006 School of Medicine Graduate Education Faculty Selection Committee

(for Lieberman Fellowship, Excellence in Graduate Student Teaching Award,

and Mason Case Fellowship)

2006 McCormick Lectureship Committee

2010–2011 Member, Genetics Department Faculty Search Committee

2012-present Member, Radiation Oncology Department Appointments and Promotions

Committee

2012-present Organizer of the Stanford University Cancer Biology and Tumor Biology

**Seminar Series** 

2012-2013	Member, Genetics Department Faculty Search Committee
2013-2014	Member, Radiation Oncology Department Faculty Search Committee
2013-present	Member, Medical Scientist Training Program Committee
2014-2016	Member, Pathology Department Chair Search Committee
2014-present	Member, Stanford Genome Training Program
2015-2016	Member, Radiation Oncology Department Faculty Search Committee

# **OUTSIDE COMMITTEE SERVICE**

2009-2010	Member, Scientific Program Committee for 2010 AACR Annual Meeting
2009-2010	Member, Oncogenes and Tumor Suppressor Genes Scientific Program
	Subcommittee for 2010 AACR Annual Meeting
2011-2012	Member, Oncogenes and Tumor Suppressor Genes Scientific Program
	Subcommittee for 2012 AACR Annual Meeting
2012-2013	Member, Scientific Program Committee for 2013 AACR Annual Meeting
2012-2013	Member, Molecular and Cellular Biology Subcommittee for 2013 AACR
	Annual Meeting
2014	Member, Scientific Program Committee for AACR Annual Meeting
2013-2014	Co-Chairperson, Education Program Committee for 2014 AACR Annual
	Meeting
2015-2016	Member, Scientific Program Committee for 2016 AACR Annual Meeting
2015-2016	Member, Education Committee for 2016 AACR Annual Meeting
2015-present	Member, IC-3i PhD Program Governing Board
2015-present	Member, ClinGen TP53 Variant Curation Working Group

# **OUTREACH SERVICE**

Feb 2007	Talk with ACS Silicon Valley/Central Coast Regional Office
Nov 2009	Special speaker, Grand View League, ACS
Dec 2012	Speaker, An Evening Recognizing The Leukemia & Lymphoma Society's
	Commitment to Advancing Blood Cancer Research at Stanford
Oct 2013	Moderator, with/in/sight Lecture for MIT Club of Northern California
Sept 2015	Speaker, Pancreas Cancer Support Group, Stanford Cancer Center

# **INVITED TALKS**

#### 1993-1999

*January*, 1993, Seminar in Department of Molecular Genetics and Biochemistry, University of Pittsburgh, PA

*September*, 1996, Short talk at Development, Cell Differentiation, and Cancer Symposium, Pisa, Italy

*July*, 1997, Short talk at Molecular and Genetic Basis of Cell Proliferation Gordon Conference, New London, NH

*July*, 1997, Seminar for Howard Hughes Medical Institute summer student program, Wesleyan University, CT

February, 1998, Colloquium, Mary Ingraham Bunting Institute, Radcliffe College, MA August, 1998, Speaker at the Cancer Genetics and Tumor Suppressor Genes meeting, Cold Spring Harbor, NY

February, 1999, Seminar at Merck, West Point, PA
March, 1999, Seminar at Caltech, Department of Biology, Pasadena, CA
May, 1999, Seminar at University of Rome "Tor Vergata", Rome, Italy
June, 1999, Seminar at Burke Rehabilitation Institute, White Plains, NY
July, 1999, Seminar at Ariad Pharmaceuticals, Cambridge, MA
August, 1999, Short talk at Cancer Gordon Conference, Newport, RI

#### 2000

January, Seminar at Eos Biotechnology, South San Francisco, CA
April, Symposium Talk at the AACR Annual Meeting, San Francisco, CA
June, Symposium Talk at the ASBMB Meeting, Boston, MA
August, Lecture in Cold Spring Harbor Laboratory Eukaryotic Gene Expression Course, Cold
Spring Harbor, NY

#### 2001

June, Seminar at UCSF Cancer Center, CA
August, Lecture in Cold Spring Harbor Laboratory Eukaryotic Gene Expression Course, Cold
Spring Harbor, NY

#### 2002

March, Seminar at University of Illinois, Chicago, IL

April, "Apoptosis and Malignant Progression" refresher course, Radiation Research Society Annual Meeting, Reno, NV

August, Speaker at the Cancer Genetics and Tumor Suppressor Genes meeting, Cold Spring Harbor, NY

October, Seminar at Chiron, Emeryville, CA

#### 2003

February, Speaker at the AACR Mouse Models of Cancer meeting, Lake Buena Vista, FL

#### 2004

April, Seminar at Tularik, South San Francisco, CA

August, Speaker at Cancer Genetics & Tumor Suppressor Genes, Cold Spring Harbor, NY November, Speaker at 12th International p53 Workshop, Dunedin, New Zealand November, Seminar at Cytokinetics, South San Francisco, CA

### 2005

March, Speaker at CNIO meeting "Animal Tumour Models and Functional Genomics," Madrid, Spain

April, Speaker at the M.D. Anderson Radiation Workshop, Round Top, TX

May, Seminar at University of Rome, Rome, Italy

May, Speaker at the Epithelial Differentiation Gordon Research Conference, Il Ciocco, Italy September, Seminar at Memorial Sloan Kettering Cancer Center, New York, NY October, Seminar at Genentech, South San Francisco, CA

### 2006

February, Seminar at UCSD, San Diego, CA May, Seminar at UCSC, Santa Cruz, CA May, Seminar at SUNY Buffalo, Buffalo, NY May, Speaker at the 13th International p53 Workshop, New York, NY

August, Seminar at Eukaryotic Gene Expression course, Cold Spring Harbor, NY

August, Session Chair and Speaker at Mechanisms and Models of Cancer Meeting,

Cold Spring Harbor, NY

October, Speaker at AACR Mouse Models of Cancer Meeting, Cambridge, MA

November, Speaker at the International Research Symposium on AEC Syndrome, Houston, TX

#### 2007

January, Seminar at MD Anderson Cancer Center, Houston, TX

April, Educational Session Talk at AACR Annual Meeting, Los Angeles, CA

April, Seminar at UCSF Cancer Center, San Francisco, CA

June, Speaker at Cell Growth and Proliferation Gordon Research Conference, Biddeford, ME

July, Topical Review Talk at 13th International Congress of Radiation Research,

San Francisco, CA

#### 2008

February, Speaker at the Cell Death and Cellular Senescence Keystone Meeting, Breckenridge, CO

February, Seminar at University of Colorado Health Sciences Center, Denver, CO

April, Educational Session Speaker, AACR Annual Meeting, San Diego, CA

*June,* Speaker at the FASEB Signal Transduction through Tetrsapanins and Other Multi-Protein Cell Surface Complexes meeting

August, Session Chair and Speaker at Mechanisms and Models of Cancer Meeting,

Cold Spring Harbor, NY

September, Speaker at Stanford University Second Comprehensive Cancer Research Training Program

October, Speaker at the 14th International p53 Workshop, Shanghai, China

#### 2009

January, Seminar at the IMP, Vienna, Austria

April, Meet the Expert Session Speaker, AACR Annual Meeting, Denver, CO

May, Seminar at Genentech, South San Francisco, CA

June, Seminar at NYU Cancer Institute, New York, NY

August, Seminar at The Buck Institute for Age Research, Novato, CA

August, Speaker at 4th Annual p63/p73 Workshop, Toronto, Canada

October, Seminar at UC Berkeley, Berkeley, CA

November, Seminar at SFSU, San Francisco, CA

*December*, Minisymposium and Speaker at The American Society for Cell Biology Annual Meeting, San Diego, CA

#### 2010

February, Seminar at Bay Area Workshop on Lung Development, Physiology and Cancer, UCSF, CA

March, Seminar at UC Davis Cancer Center, Sacramento, CA

April, Meet the Expert Session Speaker, AACR Annual Meeting, Washington, DC

April, Session Chair, AACR Annual Meeting, Washington, DC

*May*, Seminar at Abramson Family Cancer Research Institute, University of Pennsylvania, Philadelphia, PA

September, Speaker at the 22nd Annual Usha Mahajani Symposium, La Jolla, CA

*October*, Speaker at the 15<sup>th</sup> International p53 Workshop, Philadelphia, PA *November*, Seminar at UC Berkeley, Berkeley, CA

#### 2011

May, Seminar at Veterans Affairs Palo Alto Health Care System, Palo Alto, CA

May, Seminar at Mount Sinai School of Medicine, New York, NY

September, Speaker at p63/p73 Workshop, Lyon, France

October, Speaker at American Cancer Society Bay Area Research Dinner Meeting,

Foster City, CA

 ${\it November}, Seminar\ at\ University\ of\ Colorado\ Comprehensive\ Cancer\ Center,\ Denver,\ CO$ 

December, Seminar at Salk Institute, La Jolla, CA

#### 2012

January, Speaker at Novartis Institutes for BioMedical Research, Inc., Cambridge, MA

February, Speaker at 24th Lorne Cancer Conference, Lorne, Australia

February, Seminar at Walter and Eliza Hall Institute, Melbourne, Australia

February, Seminar at UC Berkeley, Berkeley, CA

March, Speaker at 8th Ipsen Foundation Meeting, Ouro Preto, Brazil

April, Seminar at L'Institut Curie, Paris, France

May, Seminar at Cambridge Research Institute, Cambridge, UK

May, Seminar at L'Institut Curie-Recherche, Orsay, France

June, Speaker at International Conference on Emerging Concepts in Cancer, Berlin, Germany

June, Seminar at VIB Vesalius Research Center, K.U.Leuven, Leuven, Belgium

June, Seminar at Hôpital Saint-Louis, Paris, France

July, Seminar at L'Institut Curie, Paris, France

July, Speaker at Gordon Research Conference on Cell Death, Lucca, Italy

*September*, Speaker at Stanford University 6<sup>th</sup> Comprehensive Cancer Research Training Program

*September,* Speaker at 2<sup>nd</sup> Bay Area Symposium on Lung Development, Physiology and Cancer, Stanford Cancer Institute, CA

*September*, Speaker at Developmental and Molecular Biology Seminar Series, UT Southwestern Medical Center, Dallas, TX

*November*, Speaker at The First Australian p53 Workshop, Peter MacCallum Cancer Centre, Melbourne, Australia

*November*, Speaker at the Walter and Eliza Hall Institute Celebratory Symposium, Walter and Eliza Hall Institute, Melbourne, Australia

#### 2013

January, Seminar at UCSF Cancer Center, San Francisco, CA

February, Seminar at Sanford-Burnham Medical Research Institute, La Jolla, CA

April, Meet the Expert Session Speaker, AACR Annual Meeting, Washington, DC

April, Seminar at NIH, NIEHS, Laboratory of Molecular Genetics, Research Triangle Park, NC

*June,* Speaker at the 6<sup>th</sup> International Mutant p53 Workshop, University of Toronto, Toronto, Canada *July,* Seminar at L'Institut Curie, Paris, France

July, Seminar at Hôpital Necker-Enfants Malades, Paris, France

September, Speaker at Third AACR International Conference on Frontiers in Basic Cancer Research, Washington, DC

#### 2014

January, Seminar at University of Chicago, Chicago, IL

April, Major Symposium Speaker and Mini Symposium Chairman, AACR Annual Meeting, San Diego, CA

*June,* Session Chair and Speaker at the 16<sup>th</sup> International p53 Workshop, Stockholm, Sweden *June,* Speaker at Foundation des Treilles on Overcoming Therapeutic Resistance to Defeat Cancer, Draguignan, France

July, Seminar at L'Institut Curie, Paris, France

September, Speaker at 2014 Bay Area Lung Symposium, Genentech, South San Francisco, CA October, Seminar at MIT Koch Institute, Cambridge, MA

*November,* Speaker at Chromatin in Development and Disease Symposium, University of Michigan, Ann Arbor, MI

#### 2015

February, Seminar at University of California, San Diego, La Jolla, CA

April, Speaker at Genes and Cancer Annual Meeting, Robinson College, Cambridge, UK

May, Speaker at The Innumerable Facets of p53 Conference, College de France, Paris, France

September, Speaker at Cell Death 2015, Cold Spring Harbor Laboratory, NY

September, Speaker at Damon Runyon Fellows' Retreat, Dolce Hayes Mansion, San Jose, CA

November, Speaker at Huntsman Cancer Institute Seminar Series, HCI, Salk Lake City, UT

November, Speaker at the 4th Cancer Epigenetics Conference, San Francisco, CA

December, Speaker at the 57th American Society of Hematology Annual Meeting, Orlando, FL

#### 2016

February, Speaker at Regenerative Medicine Seminar Series, Stanford University, CA March, Speaker at Cell and Developmental Biology Seminar Series, Vanderbilt University, Nashville, TN

# **GRANTS**

# **Current Research Support**

Sept 2011 - June 2016	NIH R01 ES020260 (Subaward)	
	"Epigenetic Regulation by p53 Induced Large Non-Coding RNAs in	
	Human Cancers"	
June 2015 - May 2018	March of Dimes 6-FY15-189	
	"Investigating the Role of p53 in CHARGE Syndrome"	
Aug 2015 – July 2022	NIH R35 CA197591	
	"Integrative Approaches to Elucidate p53 Transcriptional Networks	
	During Carcinogenesis"	

# **Completed Research Support**

Sep 2000 - 2001	Stanford University Cancer Council Grant
July 2002	Baxter Foundation Award
Jan 2002 - Dec 2004	Damon Runyon Cancer Research Foundation Scholar Award
	"Investigating Mechanisms of p53-Mediated Tumor Suppression Using
	Mouse Models"
Apr 2005 - Mar 2006	National Foundation for Ectodermal Dysplasia (NFED) grant

	"Characterization of the p63 Target Gene Perp in the Development and Function of Ectoderm-Derived Tissues"
May 2004 - Apr 2007	The Susan G. Komen Breast Cancer Foundation grant "Using Mouse Models to Define the Pathway of p53-Mediated Tumor
	Suppression in Breast Cancer"
Jan 2002 - Jan 2012	NIH R01 CA093665
	"Characterization of the p53 Apoptotic Target Gene PERP"
Mar 2007 - Feb 2009	NIH R03 NS056180
	"Characterization of Siva in Nervous System Development and Apoptosis"
Jan 2006 – Dec 2009	American Cancer Society Research Scholar Grant
	"Mouse Models to Dissect p53 Tumor Suppressor Function"
Nov 2009 - Oct 2010	GI Oncology Executive Committee Seed Funding
	"Using p53 Knock-in Mice to Dissect p53's Role in Pancreatic Cancer"
July 2009 - June 2011	NIH R21 CA141087
	"Using p53 Knock-in Mice to Understand p53's Role in Pancreatic
	Cancer"
Sept 2011 - Feb 2013	Stanford Cancer Institute
	"Evaluating the Desmosomal Protein Perp as a Prognostic Indicator for
	Breast Cancer"
July 2007 - June 2013	NIH R01 AR054594
	"Characterization of the Desmosome Protein PERP"
July 2008 - Dec 2013	Leukemia and Lymphoma Society Scholar Award
	"Dissecting p53 Tumor Suppressor Function Using Knock-in Mice"
July 2012 - June 2014	NIH R21 CA169673
	"Elucidating p53 Transcriptional Networks Involved in Pancreatic
	Cancer Suppression"
Sept 2012 - Sept 2015	Department of Defense, W81XWH-12-1-0175
	"Identifying p53 Transactivation Domain 1-Specific Inhibitors to
	Alleviate the Side Effects of Prostate Cancer Therapy"
Jan 2011 - Dec 2015	NIH R01 CA140875
	"Mouse Models to Dissect p53 Tumor Suppressor Function"
Jan 2015 - Dec 2015	Stanford Functional Genomics Facility (SFGF) Grant
	"Identifying p53 Target Genes that Mediate Tumor Suppression"

# **PUBLICATIONS**

# Scientific Research Articles (in chronological order)

- 1. Dynlacht, B.D., **L.D. Attardi**, A. Admon, M. Freeman, and R. Tjian. (1989) Functional Analysis of NTF-1, A Developmentally Regulated *Drosophila* Transcription Factor that Binds Neuronal *cis* Elements. *Genes Dev.* 3(11): 1677–1688.
- 2. Yu, G-L., J.D. Bradley, **L.D. Attardi**, and E.H. Blackburn. (1990) *In vivo* Alteration of Telomere Sequences and Senescence Caused by Mutated *Tetrahymena* Telomerase RNAs. *Nature*. 344(6262): 126–132.

- 3. **Attardi, L.D.** and R. Tjian. (1993) *Drosophila* Tissue-Specific Transcription Factor NTF-1 Contains a Novel Isoleucine-Rich Activation Motif. *Genes Dev.* 7(7B): 1341–1353.
- 4. **Attardi, L.D.**, D. Von Seggern, and R. Tjian. (1993) Ectopic Expression of Wild-Type or a Dominant-Negative Mutant of Transcription Factor NTF-1 Disrupts Normal *Drosophila* Development. *PNAS*. 90(22): 10563–10567.
- 5. Chen, J-L., **L.D. Attardi**, C.P. Verrijzer, K. Yokomori, and R. Tjian. (1994) Assembly of Recombinant TFIID Reveals Differential Coactivator Requirements for Distinct Transcriptional Activators. *Cell.* 79(1): 93–105.
- 6. Sah, V.P., **L.D. Attardi**, G.J. Mulligan, B.O. Williams, R.T. Bronson, and T. Jacks. (1995) A Subset of *p53*-Deficient Embryos Exhibit Exencephaly. *Nat Genet.* 10(2): 175–180.
- 7. **Attardi, L.D.**, S.W. Lowe, J. Brugarolas, and T. Jacks. (1996) Transcriptional Activation by p53, but not Induction of the p21 Gene, is Essential for Oncogene-Mediated Apoptosis. *EMBO J.* 15(14): 3693–3701.
- 8. Jones, J.M., **L.D. Attardi**, L.A. Godley, R. Laucirica, D. Medina, T. Jacks, H.E. Varmus, and L.A. Donehower. (1997) Absence of p53 in a Mouse Mammary Tumor Model Promotes Tumor Cell Proliferation without Affecting Apoptosis. *Cell Growth Differ*. 8(8): 829–838.
- 9. **Attardi, L.D.** and T. Jacks. (1999) The Role of p53 in Tumor Suppression: Lessons from Mouse Models. *Cellular and Molecular Life Sciences*. 55(1): 48-63.
- 10. **Attardi, L.D.**, E.E. Reczek, C. Cosmas, E.G. Demicco, M.E. McCurrach, S.W. Lowe, and T. Jacks. (2000) PERP, an Apoptosis-Associated Target of p53, is a Novel Member of the PMP-22/gas3 Family. *Genes Dev.* 14(6): 704–718.
- 11. Sage, J., G.J. Mulligan, **L.D. Attardi**, A. Miller, S. Chen, B.O. Williams, E. Theodorou, and T. Jacks. (2000) Targeted Disruption of the Three RB-Related Genes Leads to Loss of G1 Control and Immortalization. *Genes Dev.* 14(23): 3037–3050.
- 12. Ihrie, R.A., E. Reczek, J.S. Horner, L. Khachatrian, J. Sage, T. Jacks, and **L.D. Attardi**, (2003). Perp is a Mediator of p53-Dependent Apoptosis in Diverse Cell Types. *Curr Biol.* 13(22): 1985–1990.
- 13. Reczek, E.E., E.R. Flores, A.S. Tsay, **L.D. Attardi**, and T. Jacks. (2003) Multiple Response Elements and Differential p53 Binding Control Perp Expression During Apoptosis. *Mol Cancer Res.* 1(14): 1048-1057.
- 14. **Attardi, L.D.** and R.A. DePinho. (2004) Conquering the Complexity of p53. *Nat Genet.* 36(1): 7–8.
- 15. **Attardi, L.D.**, A. de Vries, and T. Jacks. (2004) Activation of the p53-Dependent G1 Checkpoint Response in Mouse Embryo Fibroblasts Depends on the Specific DNA Damage Inducer. *Oncogene*. 23(4): 973–980.
- 16. Ihrie, R.A. and **L.D. Attardi**. (2004) Perp-etrating p53-Dependent Apoptosis. *Cell Cycle.* 3(3): 267-269.

- 17. Beer, S., A. Zetterberg, R.A. Ihrie, R.A. McTaggart. Q. Yang, N. Bradon, C. Arvanitis, **L.D. Attardi**, S. Feng, B. Ruebner, R.D. Cardiff, and D.W. Felsher. (2004) Developmental Context Determines Latency of MYC-Induced Tumorigenesis. *PloS Biol.* 2(11): 1–14.
- 18. Bruins, W., E. Zwart, **L.D. Attardi**, T. Mons, R.B. Beems, B. Miranda, C.Th.M. van Oostrom, J. van den Berg, G.J. van den Aardweg, H. van Steeg, T. Jacks, and A. de Vries. (2004) Increased Sensitivity to UV Radiation in Mice with a p53 Point Mutation at Ser 389. *Mol Cell Biol.* 24(20): 8884–8894.
- 19. **Attardi, L.D.** (2005) The Role of p53-Mediated Apoptosis as a Crucial Anti-Tumor Response to Genomic Instability: Lessons from Mouse Models. *Mutat Res.* 569(1-2): 145–57.
- 20. Johnson, T.M., E.M. Hammond, A. Giaccia, and **L.D. Attardi**. (2005) The p53<sup>QS</sup> Transactivation-Deficient Mutant Shows Stress-Specific Apoptotic Activity and Induces Embryonic Lethality. *Nat Gen.* 37(2): 145–152.
- 21. Brown, J.M. and **L.D. Attardi**. (2005) Opinion: The Role of Apoptosis in Cancer Development and Treatment Response. *Nat Rev Cancer*. 5(3): 231–237.
- 22. Ihrie, R.A., M.R. Marques, B.T. Nguyen, J.S. Horner, C. Papazoglu, R.T. Bronson, A.A. Mills, and **L.D. Attardi**. (2005) Perp is a p63-Regulated Gene Essential for Epithelial Integrity. *Cell.* 120(6): 843–856.
- 23. Artandi, S.E. and **L.D. Attardi**. (2005) Pathways Connecting Telomeres and p53 in Senescence, Apoptosis, and Cancer. *BBRC*. 331(3): 881–890.
- 24. Marques, M.R., J.S. Horner, R.A. Ihrie, R.T. Bronson, and **L.D. Attardi**. (2005) Mice Lacking the p53/p63 Target Gene Perp are Resistant to Papilloma Development. *Cancer Res.* 65(15): 6551–6556.
- 25. Johnson, T.M. and **L.D. Attardi**. (2005) p53QS: An Old Mutant Teaches Us New Tricks. *Cell Cycle*. 4(6): 731-734.
- 26. Ihrie, R.A. and **L.D. Attardi**. (2005) A New Perp in the Lineup: Linking p63 and Desmosomal Adhesion. *Cell Cycle*. 4(7): 873-876.
- 27. **Attardi, L.D.** and L.A. Donehower. (2005) Probing p53 Biological Functions through the Use of Genetically Engineered Mouse Models. *Mutat Res.* 576(1-2): 4-21.
- 28. Marques, M.R., R.A. Ihrie, J.S. Horner, and **L.D. Attardi**. (2006) The Requirement for Perp in Postnatal Viability and Epithelial Integrity Reflects an Intrinsic Role in Stratified Epithelia. *J Invest Dermatol*. 126(1): 69-73.
- 29. Johnson, T.M. and **L.D. Attardi**. (2006). Reply to Explaining the Biological Activity of Transactivation-Deficient p53 Variants. *Nat Genet*. 38(4): 396-397.
- 30. Hammond, E.M., D.J. Mandell, A. Salim, A.J. Krieg, T.M. Johnson, H.A. Shirazi, **L.D. Attardi**, and A.J. Giaccia. (2006) Genome Wide Analysis of p53 Under Hypoxic Conditions. *Mol Cell Biol*. 26(9): 3492-3504.

- 31. Johnson, T.M. and **L.D. Attardi**. (2006) Dissecting p53 Tumor Suppressor Function *in vivo* Through the Analysis of Genetically Modified Mice. *Cell Death Differ*. 13(6): 902-908.
- 32. Ihrie, R.A., R.T. Bronson, and **L.D. Attardi**. (2006) Adult Mice Lacking the p53/p63 Target Gene Perp are not Predisposed to Spontaneous Tumorigenesis but Display Features of Ectodermal Dysplasia Syndromes. *Cell Death Differ.* 13(9): 1614-1618.
- 33. Barsh, G. and L.D. Attardi. (2007) A Healthy Tan? N Engl J Med. 356(21): 2208-2210.
- 34. Carroll, D.K., J.S. Brugge, and **L.D. Attardi**. (2007) p63, Cell Adhesion, and Survival. *Cell Cycle*. 6(3): 255-261.
- 35. Wijnhoven, S.W.P., E.N. Speksnijder, X. Liu, E. Zwart, C. Th. M. van Oostrom, R. B. Beems, E. M. Hoogervorst, M. M. Schaap, **L.D. Attardi**, T. Jacks, H. van Steeg, J. Jonkers, and A. de Vries. (2007) Dominant-Negative but not Gain-of-Function Effects of a p53-R270H Mutation in Mouse Epithelium after DNA Damage. *Cancer Res.* 67(10): 4648-4656.
- 36. Jacobs, S.B.R., S. Basak, J.I. Murray, N. Pathak, and **L.D. Attardi**. (2007) Siva is an Apoptosis-Selective p53 Target Gene Important for Neuronal Cell Death. *Cell Death Differ*. 14(7): 1374-1385.
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# **Book Chapters**

- 1. Jiang, D. and **Attardi, L.D.** (2010) "Lessons on p53 from Mouse Models" in **p53**. Ayed, A. and Hupp, T. (eds.), Landes Bioscience/Springer Science+Business Media, pp.19-35.
- 2. Sage, J., **Attardi, L.D.** and Van Dyke, T. (2012) "Roles of p53 and pRB Tumor Suppressor Networks in Human Cancer: Insight from Studies in the Engineered Mouse" in *Genetically Engineered Mice for Cancer Research: design, analysis, pathways, validation and preclinical testing*. Green, J.E. and Ried, T. (eds.), Springer, pp. 293-308.
- 3. Raj, N. and **Attardi, L.D.** (2015) "The Transactivation Domains of the p53 Protein" in **The p53 Protein: From Cell Regulation to Cancer**. Levine, A.J. and Lozano, G. (eds.), CSH Perspectives in Medicine. *In press*.

#### Illustrations

1. For: Attardi, G. (1990). Mitochondrial DNA: The Second Genetic System. Engineering and Science LIV(1), 12.

#### **MENTORING EXPERIENCE**

### **Current Trainees**

2009 - Present	Stephano Spano Mello	Postdoctoral Fellow / Basic Life Science Research Associate (CAPES Fellowship)
2010 - Present	Kathryn Bieging	Postdoctoral Fellow / Basic Life Science Research Associate (American Cancer Society Fellowship)
2012 - Present	Michael Jin	Undergraduate Student (Bio-X Research Program)
2012 - Present	Nitin Raj	Postdoctoral Fellow
2014 - Present	Elizabeth Valente	Postdoctoral Fellow
2014 - Present	Margot Bowen	Postdoctoral Fellow (Stanford Dean's Fellowship and Jane Coffin Childs Fellowship)
2015 - Present	Jacob McClendon	Life Science Research Professional 1
2015 - Present	Chantal Thibert	Visiting Scholar

# **Past Trainees**

#### **Postdoctoral Fellows**

2003 - 2007	Shashwati Basak	Postdoctoral Fellow (Susan G. Komen fellowship)
2003 - 2009	Susanne Jacobs	Postdoctoral Fellow (A.P. Giannini Fellowship)

2006 - 2011	Rachel Dusek	Postdoctoral Fellow (NIH Training Grant, California Breast Cancer Fellowship, NRSA Fellowship, and ACS	
		Fellowship)	
2007 - 2012	Dadi Jiang	Postdoctoral Fellow	
2008 - 2012	Sylvain Baron	Postdoctoral Fellow (Foundation pour la Recherche	
	· <b>y</b>	Medicale Fellowship)	
2009 - 2012	Daniela K. Broz	Postdoctoral Fellow (Swiss Nat'l Science Foundation	
		Fellowship)	
2012 - 2014	Heiyoun Jung	Postdoctoral Fellow	
2012 - 2015	Patty B. Garcia	Postdoctoral Fellow (NIH Training Grant)	
Life Science Rese	arch Assistants		
2001 – 2003	Jennifer Horner	Life Science Research Assistant	
2002 - 2005	Michelle Marques	Life Science Research Assistant	
2005 - 2008	Navneeta Pathak	Life Science Research Assistant	
2008 - 2009	Margaret Kozak	Life Science Research Assistant	
2010 - 2011	Eunice Park	Life Science Research Assistant	
2011 - 2012	Heather Chou	Life Science Research Assistant	
2012 - 2013	Brian S. Lee	Life Science Research Assistant	
2013 - 2014	Chris H. Chu	Life Science Research Assistant	
2014 - 2015	Carolyn Sinow	Life Science Research Assistant	
PhD Students			
2001 - 2006	Rebecca Ihrie	PhD Student (Gerald Lieberman Fellowship)	
2002 - 2007	Tom M. Johnson	PhD Student (Lucille Markey Fellowship and NSF Fellowship)	
2005 - 2010	Veronica Beaudry	PhD Student (NRSA Fellowship)	
2005 - 2011	Colleen Brady	PhD Student (Stanford Graduate Fellowship, NSF	
		Fellowship and Gerald Lieberman Fellowship)	
2007 - 2014	Jeanine Frey	PhD Student (NSF and NIH Fellowship)	
Medical Students	s/ Residents		
2002 Summer	Kristin Meade	Medical Student	
2005 - 2006	Bichchau Nguyen	Medical Student (HHMI Fellowship)	
2006 – 2007	Lesley Jarvis	Medical Resident	
Undergraduate S	Students		
2007 - 2011	Anabel Hoang	Undergraduate Student	
2012 - 2014	Carolyn Sinow	Undergraduate Student (Bio-X Research Program)	
2015 Summer	Sara Sakowtiz	Undergraduate Summer Intern	
Masters Students			
2013 Feb - Aug	Alice Brisac	Visiting Graduate Student	

# **THESIS COMMITTEES**

2000-present	Stanford University, 25 Cancer Biology Program Thesis Committees
2000-present	Stanford University, 9 Genetics Department Thesis Committees

# CV: ATTARDI, LAURA D.

2000-present Stanford University, 2 Biochemistry Department Thesis Committees

2000–present Stanford University, 1 Biology Department Thesis Committee