



CURRICULUM VITAE

Ronald A. DePinho, M.D.

PRESENT TITLE AND AFFILIATION

Primary Appointment

Professor, Department of Cancer Biology, Division of Basic Science Research, The University of Texas MD Anderson Cancer Center, Houston, TX

Harry Graves Burkhart III Distinguished University Chair in Cancer Biology, The University of Texas MD Anderson Cancer Center, Houston, TX

Past President, The University of Texas MD Anderson Cancer Center, Houston, TX

Dual/Joint/Adjunct Appointment

N/A

CITIZENSHIP

United States

OFFICE ADDRESS

The University of Texas MD Anderson Cancer Center
1881 East Road

Unit Number: 1906

Houston, TX 77054

Email: RDePinho@mdanderson.org

EDUCATION

Degree-Granting Education

Fordham College, New York, NY, BS, Salutatorian and *Summa Cum Laude*, 1977, Biological Sciences

Albert Einstein College of Medicine, Bronx, NY, MD, with distinction, 1981, Microbiology & Immunology

Harvard University, Cambridge, MA, MS (Hon.), 1998, Honorary

Hofstra University, New York, NY, PhD (Hon.), 2017, Honorary

Postgraduate Training

Internship and Residency, Internal Medicine, Columbia-Presbyterian Medical Center, New York, NY, 1982-1984

Postdoctoral Fellowship, Albert Einstein College of Medicine, Department of Cell Biology, Bronx, NY, (mentor: Dr. Matthew Scharff), 1984-1985

Postdoctoral Fellowship, Columbia Presbyterian Medical Center, Department of Biochemistry & Biophysics, New York, NY, (mentor: Dr. Frederick Alt), 1984-1988

CREDENTIALS

Board Certification

Board Certified in Internal Medicine, 1984

Licensures

Active

NY, 154994-1

Inactive

N/A

EXPERIENCE/SERVICE

Academic Appointments

Assistant Professor, Departments of Microbiology & Immunology, and Medicine, Albert Einstein College of Medicine, Bronx, NY, 1988-1993

Associate Professor, Departments of Microbiology & Immunology, and Medicine, Albert Einstein College of Medicine, Bronx, NY, 1993-1997

Professor, Departments of Microbiology & Immunology, and Medicine, Albert Einstein College of Medicine, Bronx, NY, 1997-1998

Professor of Medicine (Genetics), Harvard Medical School, Boston, MA, 1998-2011

Professor, Department of Cancer Biology, Division of Basic Science Research, The University of Texas MD Anderson Cancer Center, Houston, TX, 9/2011-present

Administrative Appointments/Responsibilities

Scientific Director, Transgenic & Gene Targeting Facility, Albert Einstein College of Medicine, Bronx, NY, 1988-1998

Scientific Director, Transgenic & Gene Targeting Facility, Dana-Farber Cancer Institute, Boston, MA, 1998-2011

Scientific Director, Mouse Specialized Services, Dana-Farber/Harvard Cancer Center, Boston, MA, 1999-2004

Co-Chair, Gastrointestinal Cancer Program, Dana-Farber/Harvard Cancer Center, Boston, MA, 2002-2004

Founder & Director, Belfer Institute for Applied Cancer Science, Dana-Farber Cancer Institute, Boston, MA, 2004-2011

Past President, The University of Texas MD Anderson Cancer Center, Houston, TX, 9/2011-3/2017

Founder & Director, Eliminate Cancer Initiative, New York, NY, 2017-2018

Founder & Chair, Unite to Prevent Cancer, Washington, DC, 2019-present

Other Appointments/Responsibilities

Graduate Admissions Committee, Albert Einstein College of Medicine, Bronx, NY, 1988-1993

Animal Institute Advisory Committee & Finance Subcommittee, Albert Einstein College of Medicine, Bronx, NY, 1988-1994

Attending Physician, Jacobi Hospital, Albert Einstein College of Medicine, Bronx, NY, 1988-1997

Organizer & Director, NCI Mouse Developmental Genetics Course, Albert Einstein College of Medicine, Bronx, NY, 1991-1998

Committee on Appointments and Promotions, Albert Einstein College of Medicine, Bronx, NY, 1993-1995

Medical Science Training Program Steering Committee, Albert Einstein College of Medicine, Bronx, NY, 1993-1998

Medical Student Research Program Committee, Albert Einstein College of Medicine, Bronx, NY, 1995-1998

Dean's Advisory Council, Albert Einstein College of Medicine, Bronx, NY, 1996-1998

Faculty Recruitment, Retention, and Interim Support, Albert Einstein College of Medicine, Bronx, NY, 1997-1998

Promotions Committee, Dana-Farber Cancer Institute, Boston, MA, 1999-2011

Co-Founder and Director, Scientific Advisory Board, AVEO Pharmaceuticals, Inc. (f/k/a GenPath), Cambridge, MA, 2001-2012

Co-Founder and Director, Scientific Advisory Board, Metamark Genetics, Inc., Cambridge, MA, 2007-2012

Co-Founder and Director, Scientific Advisory Board, Eden Therapeutics, Inc., Houston, TX, 2008-2012

Co-Founder and Scientific Advisory Board, Karyopharm Therapeutics, Inc., Newton, MA, 2009-2012

Endowed Positions

Harry Graves Burkhart III Distinguished University Chair in Cancer Biology, The University of Texas MD Anderson Cancer Center, Houston, TX, 6/2017-present

Consultantships

Sidney Kimmel Foundation, Philadelphia, PA, Scientific Advisory Board, 2009

Tvardi Therapeutics, Houston, TX, Co-Founder, Advisor and Director, 2018-present

Sporos Bioventures, Houston, TX, Advisor, A biotech investment fund focused on supporting Houston-based start-ups, aiming to convert trailblazing science into breakthrough therapies, particularly in cancer, 2019-present

Damon Runyon Cancer Research Foundation, New York, NY, Vice-Chair, Scientific Advisory Board

Damon Runyon Cancer Research Foundation, New York, NY, Chair, Scientific Advisory Board

Goldhirsh Foundation, Los Angeles, CA, Chair, Scientific Advisory Board

Lustgarten Foundation, Bethpage, NY, Scientific Advisory Board

Foundation for Advanced Cancer Studies, Allendale, MI, Board of Directors

GSK Oncology Franchise, Collegeville, PA, Director and Advisor

Abbott Pharmaceuticals, Abbott Park, IL, Scientific Advisory Board

Agios Pharmaceuticals, Inc., Cambridge, MA, Scientific Advisory Board

Epizyme, Inc., Cambridge, MA, Scientific Advisory Board

Enzon Pharmaceuticals, Inc., Bridgewater, NJ, Scientific Advisory Board

Military or Other Governmental Service

N/A

Institutional Committee Activities

N/A

HONORS AND AWARDS

Phi Beta Kappa, Fordham University, 1976

Chemistry Award, Fordham University, 1977

Outstanding Senior Award, Fordham University, 1977

Salutatorian and *Summa Cum Laude*, Fordham University, 1977

Steinbugler Award for Biology, Fordham University, 1977

Eli H. Rubin Award in Medicine, 1981

M.D. with distinction in Microbiology & Immunology, Albert Einstein College of Medicine, 1981

NCI Physician Scientist Award (K08), National Cancer Institute, 1984

James S. McDonnell Foundation Scholar Award, 1988

Cancer Research Institute Investigator Award, 1989

March of Dimes Basil O'Connor Scholar Award, 1989
American Heart Association Established Investigator Award, 1992
Feinberg Senior Faculty Scholar in Cancer Research, 1992
Melini Award for Excellence in Biomedical Research, 1993
Irma T. Hirschl Career Scientist Award, 1995
American Cancer Society Research Professorship, 1998-2008
Honorary MS Degree, Harvard University, 1998
Clair W. & Richard P. Morse Research Award, Dana-Farber Cancer Institute, Boston, 2000
Kirsch Senior Investigator Award, 2000
Board of Directors, American Association for Cancer Research, 2001-2004
American Society for Clinical Investigation Award (now Korsmeyer Award), 2002
AACR-G.H.A. Clowes Memorial Award, 2003
The Ellison Medical Foundation Senior Scholar Award, 2003
Albert Einstein College of Medicine Distinguished Alumnus Award, 2004
American Cancer Society Edith A. Pistorino Research Professorship, 2004
Member, Institute of Medicine (now Health and Medicine Division) of the National Academies, 2004
Biomedicum Helsinki Medal and Lecture, 2007
Harvey Society Lecture, 2007
Albert Szent-Györgyi Prize for Progress in Cancer Research, 2009
NCI Merit Award, 2009
Member, American Academy of Arts and Sciences, 2010-present
Fellow, American Academy of Arts & Sciences, 2011-present
Member, National Academy of Sciences, 2012-present
Prize for Scientific Excellence in Medicine, American Italian Cancer Foundation, 2012
Thought Leader Award, Agilent Technologies, 2012
Outstanding Phi Beta Kappa Alumnus Award, Fordham University, 2013
Fellow, American Association for the Advancement of Science, 2014
100 Most Influential People in Healthcare, Modern Healthcare, 2015
Fellow, American Association for Cancer Research, 2015-present
Order of Saint James of the Sword (knighthood), Republic of Portugal, 2015
2016 Luminary Award, The Texas Healthcare and Bioscience Institute, 2016
50 Most Influential Physician Executives and Leaders, Modern Healthcare, 2016
Brien McMahon Award for Distinguished Public Service, Fordham University, 2017
Ellis Island Medal of Honor, National Ethnic Coalition of Organizations, 2017
Foreign Member, Royal Academy of Science, Portugal, 2017
Honorary PhD Degree, Hofstra University, 2017
Member, Science Committee, Science and Faith Foundation – STOQ, Vatican, 2017
PCF Challenge Award, Prostate Cancer Foundation, 2017
The Humanitarian Award, The Latino Learning Center, 2017

Leadership in Scientific Achievement Award, Portuguese-American Leadership Council of the United States, 2018

2020 AACR Team Science Award, AACR, 2020

RESEARCH

Grants and Contracts

Funded

Principal Investigator, 11%, Genetics and Biology of Pancreatic Ductal Adenocarcinoma, P01 CA117969, NIH/NCI, 4/1/2006-3/31/2021, \$6,463,843 (\$1,500,443/year)

Principal Investigator, 5%, Synthetic essential approach to identify novel therapeutic targets for prostate cancer, 17CHAL17, Prostate Cancer Foundation, 12/31/2017-12/31/2020, \$1,000,000 (\$500,000/year)

Principal Investigator, 10%, Exploring Collateral Lethality for Development of Cancer Therapeutics, 1R01 CA225955-01, NIH/NCI, 4/9/2018-3/31/2023, \$297,684 (\$297,684/year)

Principal Investigator, Genetics and Biology of Metastatic Colorectal Cancer, R01 CA231360-01, NIH/NCI, 9/1/2018-8/31/2023, \$1,139,860 (\$227,972/year)

Pending

Co-Principal Investigator, 5%, KRAS mutation-induced KDM5D upregulation promotes male-specific colorectal cancer metastasis, FP00011229, NIH/NCI, PI - Ronald DePinho, 4/1/2021-3/31/2023, \$445,000 (\$125,000/year)

Co-Principal Investigator, 5%, Targeting Extracellular Tumor-derived HSP70 to Dendritic Cells as a Novel Approach to Cancer Immunotherapy, FP00011325, Prostate Cancer Foundation, PI - Ronald DePinho, 4/1/2021-3/31/2023, \$1,000,000 (\$500,000/year)

Co-Principal Investigator, 25%, Genetics and Biology of Pancreatic Ductal Adenocarcinoma, FP00009590, NIH/NCI, PI - Ronald DePinho, 4/1/2021-3/3/2026, \$13,702,899 (\$2,045,209/year)

Co-Principal Investigator, 2%, Comparing pharmacological inhibition and genetic extinction of KRASG12C in pancreatic and colorectal cancer models, MD Anderson Cancer SPORE in KRAS, PI - Ronald DePinho, 9/1/2021-8/31/2022, \$50,000 (\$50,000/year)

Other

Co-Principal Investigator, 1%, Telomerase reactivation during telomere crisis promotes tumorigenesis by modulating the tumor microenvironment, Awarded, FP00009814, Emerson, PI - Ronald DePinho, 3/1/2020-2/28/2022, \$200,000 (\$100,000/year)

Co-Principal Investigator, 5%, KRAS-directed EMT and immunity mechanisms driving increased CRC metastasis, Awarded, Internal Funding, PI - Ronald DePinho, 6/1/2020-5/31/2021, \$50,000 (\$50,000/year)

Completed

Principal Investigator, NCI Cancer Center Support Grant, P30 CA16672, NIH/NCI, 7/1/1978-3/22/2017 (\$6,080,628/year)

Co-Principal Investigator, The Role of PTEN and the PI3K Pathway in Prostate Cancer-Mouse Genome Manipulation Core, P01 CA89021, NIH/NCI, PI - Cantley, 5/1/2001-5/31/2013

Principal Investigator, Genetics and Biology of Malignant Glioma, P01 CA95616, NIH/NCI, 4/10/2002-2/28/2014, \$2,252,000

Investigator, Myeloma SPORE: Lung, Leukemia and Myeloma Cancers Project 2, 5P50 CA100707, NIH/NCI, PI - Ken Anderson, 7/1/2003-6/30/2013

Co-Director, Dana-Farber/Harvard Cancer Center SPORE in Gastrointestinal Cancer, Core 1, P50 CA127003, NIH/NCI, PI - Fuchs, 4/1/2007-3/31/2012

Principal Investigator, Merck, Merck, 12/31/2007-12/30/2012, \$1,388,413

Co-Principal Investigator, Uses of GEM models for Translational Cancer Research, U01 CA141508, NIH/NCI, PI - Chin, 7/1/2009-7/31/2014, \$3,865,000 (\$775,000/year)

Co-Investigator, Functional Annotation of Cancer Genomes: TCGA, Glioblastoma and Ovarian, 1RC2 CA148268, NIH/NCI, PI - Hahn/Chin, 9/29/2009-8/31/2011

Project Leader, Comprehensive Phenotypic Comparison of Normal and Cancer Stem Cells, 1RC2 CA148222-01, NIH/NCI, PI - Armstrong, 9/30/2009-8/31/2011

Co-Principal Investigator, Systematic functional interrogation of the GBM genome for curative combination therapy, Ben and Catherine Ivy Foundation, 1/1/2010-12/31/2012, \$934,640

Principal Investigator, Sanofi-Aventis/Belfer Alliance R&D Project, Sanofi-Aventis, 8/2/2010-8/1/2013, \$1,734,104

Principal Investigator, 0.6 months, Pathogenetic Role of Telomeres in Alzheimer's Disease, Emerald Foundation, 7/1/2011-6/30/2013, \$300,000

Principal Investigator, Collateral Genomic Deletions as Targetable Vulnerabilities in Cancer, RP-140612, Cancer Prevention & Research Institute of Texas (CPRIT), 8/31/2014-2/28/2018 (\$285,000/year)

Principal Investigator, Telomerase in Development, Senescence and Neoplasia, R01 CA084628, NIH/NCI, 1/1/2015-12/31/2019, \$1,925,000 (\$385,000/year)

Project Leader, Colorectal Cancer Preclinical Studies, EMD Serono, 2017-present

Principal Investigator, 5%, SIV: Colon Cancer Immunotherapy using Preclinical Animal Model Study, AC00001123 MDA, EMD Serono Inc., 4/1/2017-12/31/2019, \$1,214,000 (\$607,000/year)

Co-Investigator, Targeting the PTEN Synthetic Essential Chromatin Remodeling Factor CHD1, MD Anderson Moon Shot, 9/1/2017-present

Principal Investigator, 1%, Dual Leucine Zipper Kinase Inhibitors for Parkinson's, 15307, Michael J. Fox Foundation for Parkinson's, 5/1/2018-7/31/2019, \$500,000 (\$400,000/year)

Not Funded

Principal Investigator, 10%, Telomerase in Development, Senescence, and Neoplasia, FP 00007599, NIH/NCI, 9/1/2019-8/31/2024, \$2,000,000 (\$400,000/year)

Co-Principal Investigator, 5%, Targeting Extracellular Tumor-derived HSP70 to Dendritic Cells as a Novel Approach to Cancer Immunotherapy, FP00008463, Cancer Prevention & Research Institute of Texas (CPRIT), 3/1/2020-2/28/2023, \$900,000 (\$285,000/year)

Principal Investigator, 5%, Targeting Extracellular Tumor-derived HSP70 to Dendritic Cells as a Novel Approach to Cancer Immunotherapy, FP00008424, NIH/NCI, 4/1/2020-3/31/2025, \$2,915,293 (\$381,100/year)

Protocols

Funded

N/A

Unfunded

N/A

Patents and Technology Licenses

Patents

Dana-Farber Cancer Institute, Chin L, DePinho R. Inducible Cancer Model to Study the Molecular Basis of Host Tumor Cell Interactions In Vivo, United States, 09/619,247, 7/19/2000-7/19/2020, Issued

Dana-Farber Cancer Institute, DePinho R, Chin L. Identifying and Characterizing Genes, United States, 10/112,503, 3/28/2002-1/19/2023, Issued

Dana-Farber Cancer Institute, Brennan C, DePinho R, Aguirre A, Chin L. Compositions, kits, and methods for identification, assessment, prevention and therapy of cancer, United States, 11/597,825, 5/27/2005, Issued

Dana-Farber Cancer Institute, Stegh A, Kim HG, DePinho R, Chin L. BCL2L12 Polypeptide Activators and Inhibitors, United States, 11/259,640, 10/25/2005-1/16/2025, Issued

Dana-Farber Cancer Institute, Beth Israel Deaconess Medical Center, DePinho R, Cantley L, Shaw R, Bardeesy N. Method for Treating Cancer by Increasing AMP-activated Kinase Activity, United States, 60/501,513, 9/9/2003, Filed

Dana-Farber Cancer Institute, University of Pennsylvania, DePinho R, Aguirre A, Bardeesy N, Tuveson D. Animal Models of Pancreatic Adenocarcinoma and Uses Thereof, United States, 11/503,499, 8/11/2006, Pending

Dana-Farber Cancer Institute, DePinho R, Hanash S, Faca VM, Song K, Bardeesy N. Pancreatic Cancer Biomarkers, United States, 12/514,860, 11/14/2007, Pending

Dana-Farber Cancer Institute, DePinho R, Stommel J. Receptor Tyrosine Kinase Profiling, United States, 12/450,820, 4/11/2008, Pending

Dana-Farber Cancer Institute, Chin L, DePinho R, Maser R. Compositions and Methods for Cancer Gene Discovery, United States, 12/601,052, 5/21/2008, Pending

Dana-Farber Cancer Institute, DePinho R, Ding Z, Chin L. Signatures and Determinants Associated with Prostate Cancer and Methods of Use Thereof, PCT/US2009/050885, 7/16/2009, Pending

MD Anderson Cancer Center, Florian Muller, Eliot Fletcher-Sananikone, Simona Colla, Elisa Aquilanti, Ronald DePinho. Collateral Gene Inactivation Biomarkers and Targets For Cancer Therapy, United States, 14/365,367, 12/14/2012, Pending

MD Anderson Cancer Center, Florian Muller, David S. Maxwell, William G. Bornmann, Yu-His Lin, Basovoju A Bhanu Prasad, Zhenghong Peng, Duoli Sun, Nikuni Satani, M. Emila Difrancesco, Ronald DePinho, Federica Pisaneschi. Enolase Inhibitors and Methods of Treatment Therewith, United States, PCT/US2016/021609, Pending

Technology Licenses

N/A

Grant Reviewer/Service on Study Sections

N/A

PUBLICATIONS

Peer-Reviewed Original Research Articles

1. DePinho RA, Goldberg CS, Lefkowitz JH. Azathioprine and the liver. Evidence favoring idiosyncratic, mixed cholestatic-hepatocellular injury in humans. *Gastroenterology* 86(1):162-5, 1/1984. PMID: 6689657.
2. DePinho R, Kruger K, Andrews N, Lutzker S, Baltimore D, Alt FW. Molecular basis of heavy-chain class switching and switch region deletion in an Abelson virus-transformed cell line. *Mol Cell Biol* 4(12):2905-10, 12/1984. PMCID: PMC369304.
3. DePinho RA, Kaplan KL. The Hermansky-Pudlak syndrome. Report of three cases and review of pathophysiology and management considerations. *Medicine (Baltimore)* 64(3):192-202, 5/1985. PMID: 3921802.
4. Kohl NE, Legouy E, DePinho RA, Nisen PD, Smith RK, Gee CE, Alt FW. Human N-myc is closely related in organization and nucleotide sequence to c-myc. *Nature* 319(6048):73-7, Jan 2-8, 1/1986. PMID: 3510398.
5. DePinho RA, Legouy E, Feldman LB, Kohl NE, Yancopoulos GD, Alt FW. Structure and expression of the murine N-myc gene. *Proc Natl Acad Sci U S A* 83(6):1827-31, 3/1986. PMCID: PMC323177.

6. Bank I, DePinho RA, Brenner MB, Cassimeris J, Alt FW, Chess L. A functional T3 molecule associated with a novel heterodimer on the surface of immature human thymocytes. *Nature* 322(6075):179-81, Jul 10-16, 7/1986. PMID: 3487737.
7. Yancopoulos GD, DePinho RA, Zimmerman KA, Lutzker SG, Rosenberg N, Alt FW. Secondary genomic rearrangement events in pre-B cells: VHDJH replacement by a LINE-1 sequence and directed class switching. *EMBO J* 5(12):3259-66, 12/1986. PMCID: PMC1167320.
8. DePinho RA, Hatton KS, Tesfaye A, Yancopoulos GD, Alt FW. The human myc gene family: structure and activity of L-myc and an L-myc pseudogene. *Genes Dev* 1(10):1311-26, 12/1987. PMID: 3322939.
9. Dildrop R, Ma A, Zimmerman K, Hsu E, Tesfaye A, DePinho R, Alt FW. IgH enhancer-mediated deregulation of N-myc gene expression in transgenic mice: generation of lymphoid neoplasias that lack c-myc expression. *EMBO J* 8(4):1121-8, 4/1989. PMCID: PMC400923.
10. Zimmerman K, Legouy E, Stewart V, DePinho R, Alt FW. Differential regulation of the N-myc gene in transfected cells and transgenic mice. *Mol Cell Biol* 10(5):2096-103, 5/1990. PMCID: PMC360557.
11. Möröy T, Fisher P, Guidos C, Ma A, Zimmerman K, Tesfaye A, DePinho R, Weissman I, Alt FW. IgH enhancer deregulated expression of L-myc: abnormal T lymphocyte development and T cell lymphomagenesis. *EMBO J* 9(11):3659-66, 11/1990. PMCID: PMC552120.
12. Cohen D, Piekarczyk RL, Hsu SI, DePinho RA, Carrasco N, Horwitz SB. Structural and functional analysis of the mouse *mdr1b* gene promoter. *J Biol Chem* 266(4):2239-44, 2/1991. PMID: 1671222.
13. Boulton TG, Nye SH, Robbins DJ, Ip NY, Radziejewska E, Morgenbesser SD, DePinho RA, Panayotatos N, Cobb MH, Yancopoulos GD. ERKs: a family of protein-serine/threonine kinases that are activated and tyrosine phosphorylated in response to insulin and NGF. *Cell* 65(4):663-75, 5/1991. PMID: 2032290.
14. Shin SU, DePinho R, Zack DJ, Rudikoff S, Scharff MD. Instability of immunoglobulin genes in S107 cell line. *Somat Cell Mol Genet* 17(3):259-76, 5/1991. PMID: 1904631.
15. DeFranco D, Bali D, Torres R, DePinho RA, Erickson RP, Gluecksohn-Waelsch S. The glucocorticoid hormone signal transduction pathway in mice homozygous for chromosomal deletions causing failure of cell type-specific inducible gene expression. *Proc Natl Acad Sci U S A* 88(13):5607-10, 7/1991. PMCID: PMC51926.
16. Xu L, Morgenbesser SD, DePinho RA. Complex transcriptional regulation of myc family gene expression in the developing mouse brain and liver. *Mol Cell Biol* 11(12):6007-15, 12/1991. PMCID: PMC361765.
17. Mukherjee B, Morgenbesser SD, DePinho RA. Myc family oncoproteins function through a common pathway to transform normal cells in culture: cross-interference by Max and trans-acting dominant mutants. *Genes Dev* 6(8):1480-92, 8/1992. PMID: 1644290.
18. Schreiber-Agus N, Torres R, Horner J, Lau A, Jamrich M, DePinho RA. Comparative analysis of the expression and oncogenic activities of Xenopus c-, N-, and L-myc homologs. *Mol Cell Biol* 13(4):2456-68, 4/1993. PMCID: PMC359566.
19. Schreiber-Agus N, Horner J, Torres R, Chiu FC, DePinho RA. Zebra fish myc family and max genes: differential expression and oncogenic activity throughout vertebrate evolution. *Mol Cell Biol* 13(5):2765-75, 5/1993. PMCID: PMC359656.
20. Xu L, Wallen R, Patel V, DePinho RA. Role of first exon/intron sequences in the regulation of myc family oncogenic potency. *Oncogene* 8(9):2547-53, 9/1993. PMID: 8361763.
21. Lahoz EG, Xu L, Schreiber-Agus N, DePinho RA. Suppression of Myc, but not E1a, transformation activity by Max-associated proteins, Mad and Mxi1. *Proc Natl Acad Sci U S A* 91(12):5503-7, 6/1994. PMCID: PMC44024.
22. Morgenbesser SD, Williams BO, Jacks T, DePinho RA. p53-dependent apoptosis produced by Rb-deficiency in the developing mouse lens. *Nature* 371(6492):72-4, 9/1994. PMID: 8072529.
23. Schreiber-Agus N, Chin L, Chen K, Torres R, Thomson CT, Sacchettini JC, DePinho RA. Evolutionary relationships and functional conservation among vertebrate Max-associated proteins: the zebra fish homolog of Mxi1. *Oncogene* 9(11):3167-77, 11/1994. PMID: 7936639.

24. Serrano M, Gómez-Lahoz E, DePinho RA, Beach D, Bar-Sagi D. Inhibition of ras-induced proliferation and cellular transformation by p16INK4. *Science* 267(5195):249-52, 1/1995. PMID: 7809631.
25. Morgenbesser SD, Schreiber-Agus N, Bidder M, Mahon KA, Overbeek PA, Horner J, DePinho RA. Contrasting roles for c-Myc and L-Myc in the regulation of cellular growth and differentiation in vivo. *EMBO J* 14(4):743-56, 2/1995. PMID: PMC398140.
26. Schreiber-Agus N, Chin L, Chen K, Torres R, Rao G, Guida P, Skoultchi AI, DePinho RA. An amino-terminal domain of Mxi1 mediates anti-Myc oncogenic activity and interacts with a homolog of the yeast transcriptional repressor SIN3. *Cell* 80(5):777-86, 3/1995. PMID: 7889571.
27. Chen J, Willingham T, Margraf LR, Schreiber-Agus N, DePinho RA, Nisen PD. Effects of the MYC oncogene antagonist, MAD, on proliferation, cell cycling and the malignant phenotype of human brain tumour cells. *Nat Med* 1(7):638-43, 7/1995. PMID: 7585143.
28. Chin L, Schreiber-Agus N, Pellicer I, Chen K, Lee HW, Dudast M, Cordon-Cardo C, DePinho RA. Contrasting roles for Myc and Mad proteins in cellular growth and differentiation. *Proc Natl Acad Sci U S A* 92(18):8488-92, 8/1995. PMID: PMC41182.
29. Katz EB, Stenbit AE, Hatton K, DePinho R, Charron MJ. Cardiac and adipose tissue abnormalities but not diabetes in mice deficient in GLUT4. *Nature* 377(6545):151-5, 9/1995. PMID: 7675081.
30. Xu L, Meng Y, Wallen R, DePinho RA. Loss of transcriptional attenuation in N-myc is associated with progression towards a more malignant phenotype. *Oncogene* 11(9):1865-72, 11/1995. PMID: 7478616.
31. Liégeois NJ, Horner JW, DePinho RA. Lens complementation system for the genetic analysis of growth, differentiation, and apoptosis in vivo. *Proc Natl Acad Sci U S A* 93(3):1303-7, 2/1996. PMID: PMC40075.
32. Rao G, Alland L, Guida P, Schreiber-Agus N, Chen K, Chin L, Rochelle JM, Seldin MF, Skoultchi AI, DePinho RA. Mouse Sin3A interacts with and can functionally substitute for the amino-terminal repression of the Myc antagonist Mxi1. *Oncogene* 12(5):1165-72, 3/1996. PMID: 8649810.
33. Hatton KS, Mahon K, Chin L, Chiu FC, Lee HW, Peng D, Morgenbesser SD, Horner J, DePinho RA. Expression and activity of L-Myc in normal mouse development. *Mol Cell Biol* 16(4):1794-804, 4/1996. PMID: PMC231166.
34. Serrano M, Lee H, Chin L, Cordon-Cardo C, Beach D, DePinho RA. Role of the INK4a locus in tumor suppression and cell mortality. *Cell* 85(1):27-37, 4/1996. PMID: 8620534.
35. Schreiber-Agus N, Stein D, Chen K, Goltz JS, Stevens L, DePinho RA. Drosophila Myc is oncogenic in mammalian cells and plays a role in the diminutive phenotype. *Proc Natl Acad Sci U S A* 94(4):1235-40, 2/1997. PMID: PMC19774.
36. Zhang P, Liégeois NJ, Wong C, Finegold M, Hou H, Thompson JC, Silverman A, Harper JW, DePinho RA, Elledge SJ. Altered cell differentiation and proliferation in mice lacking p57KIP2 indicates a role in Beckwith-Wiedemann syndrome. *Nature* 387(6629):151-8, 5/1997. PMID: 9144284.
37. Alland L, Muhle R, Hou H, Potes J, Chin L, Schreiber-Agus N, DePinho RA. Role for N-CoR and histone deacetylase in Sin3-mediated transcriptional repression. *Nature* 387(6628):49-55, 5/1997. PMID: 9139821.
38. Blasco MA, Lee HW, Hande MP, Samper E, Lansdorp PM, DePinho RA, Greider CW. Telomere shortening and tumor formation by mouse cells lacking telomerase RNA. *Cell* 91(1):25-34, 10/1997. PMID: 9335332.
39. Chin L, Pomerantz J, Polsky D, Jacobson M, Cohen C, Cordon-Cardo C, Horner JW, DePinho RA. Cooperative effects of INK4a and ras in melanoma susceptibility in vivo. *Genes Dev* 11(21):2822-34, 11/1997. PMID: PMC316663.
40. Edwards MC, Liegeois N, Horecka J, DePinho RA, Sprague GF, Tyers M, Elledge SJ. Human CPR (cell cycle progression restoration) genes impart a Far- phenotype on yeast cells. *Genetics* 147(3):1063-76, 11/1997. PMID: PMC1208234.
41. Browning J, Horner JW, Pettoello-Mantovani M, Raker C, Yurasov S, DePinho RA, Goldstein H. Mice transgenic for human CD4 and CCR5 are susceptible to HIV infection. *Proc Natl Acad Sci U S A* 94(26):14637-41, 12/1997. PMID: PMC25078.

42. Watanabe H, Pan ZQ, Schreiber-Agus N, DePinho RA, Hurwitz J, Xiong Y. Suppression of cell transformation by the cyclin-dependent kinase inhibitor p57KIP2 requires binding to proliferating cell nuclear antigen. *Proc Natl Acad Sci U S A* 95(4):1392-7, 2/1998. PMID: PMC19016.
43. Pomerantz J, Schreiber-Agus N, Liégeois NJ, Silverman A, Alland L, Chin L, Potes J, Chen K, Orlow I, Lee HW, Cordon-Cardo C, DePinho RA. The Ink4a tumor suppressor gene product, p19Arf, interacts with MDM2 and neutralizes MDM2's inhibition of p53. *Cell* 92(6):713-23, 3/1998. PMID: 9529248.
44. Lee HW, Blasco MA, Gottlieb GJ, Horner JW, Greider CW, DePinho RA. Essential role of mouse telomerase in highly proliferative organs. *Nature* 392(6676):569-74, 4/1998. PMID: 9560153.
45. Greenberg RA, Allsopp RC, Chin L, Morin GB, DePinho RA. Expression of mouse telomerase reverse transcriptase during development, differentiation and proliferation. *Oncogene* 16(13):1723-30, 4/1998. PMID: 9582020.
46. David G, Alland L, Hong SH, Wong CW, DePinho RA, Dejean A. Histone deacetylase associated with mSin3A mediates repression by the acute promyelocytic leukemia-associated PLZF protein. *Oncogene* 16(19):2549-56, 5/1998. PMID: 9627120.
47. Schreiber-Agus N, Meng Y, Hoang T, Hou H, Chen K, Greenberg R, Cordon-Cardo C, Lee HW, DePinho RA. Role of Mxi1 in ageing organ systems and the regulation of normal and neoplastic growth. *Nature* 393(6684):483-7, 6/1998. PMID: 9624006.
48. Zhang P, Wong C, DePinho RA, Harper JW, Elledge SJ. Cooperation between the Cdk inhibitors p27(KIP1) and p57(KIP2) in the control of tissue growth and development. *Genes Dev* 12(20):3162-7, 10/1998. PMID: PMC317217.
49. Radfar A, Unnikrishnan I, Lee HW, DePinho RA, Rosenberg N. p19(Arf) induces p53-dependent apoptosis during abelson virus-mediated pre-B cell transformation. *Proc Natl Acad Sci U S A* 95(22):13194-9, 10/1998. PMID: PMC23757.
50. Holland EC, Hively WP, DePinho RA, Varmus HE. A constitutively active epidermal growth factor receptor cooperates with disruption of G1 cell-cycle arrest pathways to induce glioma-like lesions in mice. *Genes Dev* 12(23):3675-85, 12/1998. PMID: PMC317252.
51. Auer KL, Park JS, Seth P, Coffey RJ, Darlington G, Abo A, McMahon M, DePinho RA, Fisher PB, Dent P. Prolonged activation of the mitogen-activated protein kinase pathway promotes DNA synthesis in primary hepatocytes from p21Cip-1/WAF1-null mice, but not in hepatocytes from p16INK4a-null mice. *Biochem J* 336 (Pt 3):551-60, 12/1998. PMID: PMC1219904.
52. Gómez Lahoz E, Liegeois NJ, Zhang P, Engelman JA, Horner J, Silverman A, Burde R, Roussel MF, Sherr CJ, Elledge SJ, DePinho RA. Cyclin D- and E-dependent kinases and the p57(KIP2) inhibitor: cooperative interactions in vivo. *Mol Cell Biol* 19(1):353-63, 1/1999. PMID: PMC83893.
53. Jacobs JJ, Kieboom K, Marino S, DePinho RA, van Lohuizen M. The oncogene and Polycomb-group gene bmi-1 regulates cell proliferation and senescence through the ink4a locus. *Nature* 397(6715):164-8, 1/1999. PMID: 9923679.
54. Ghiani CA, Eisen AM, Yuan X, DePinho RA, McBain CJ, Gallo V. Neurotransmitter receptor activation triggers p27(Kip1) and p21(CIP1) accumulation and G1 cell cycle arrest in oligodendrocyte progenitors. *Development* 126(5):1077-90, 2/1999. PMID: 9927607.
55. Greenberg RA, O'Hagan RC, Deng H, Xiao Q, Hann SR, Adams RR, Lichtsteiner S, Chin L, Morin GB, DePinho RA. Telomerase reverse transcriptase gene is a direct target of c-Myc but is not functionally equivalent in cellular transformation. *Oncogene* 18(5):1219-26, 2/1999. PMID: 10022128.
56. Rudolph KL, Chang S, Lee HW, Blasco M, Gottlieb GJ, Greider C, DePinho RA. Longevity, stress response, and cancer in aging telomerase-deficient mice. *Cell* 96(5):701-12, 3/1999. PMID: 10089885.
57. FitzGerald MJ, Arsur M, Bellas RE, Yang W, Wu M, Chin L, Mann KK, DePinho RA, Sonenshein GE. Differential effects of the widely expressed dMax splice variant of Max on E-box vs initiator element-mediated regulation by c-Myc. *Oncogene* 18(15):2489-98, 4/1999. PMID: 10229200.

58. Chin L, Artandi SE, Shen Q, Tam A, Lee SL, Gottlieb GJ, Greider CW, DePinho RA. p53 deficiency rescues the adverse effects of telomere loss and cooperates with telomere dysfunction to accelerate carcinogenesis. *Cell* 97(4):527-38, 5/1999. PMID: 10338216.
59. Greenberg RA, Chin L, Femino A, Lee KH, Gottlieb GJ, Singer RH, Greider CW, DePinho RA. Short dysfunctional telomeres impair tumorigenesis in the INK4a(delta2/3) cancer-prone mouse. *Cell* 97(4):515-25, 5/1999. PMID: 10338215.
60. Chin L, Tam A, Pomerantz J, Wong M, Holash J, Bardeesy N, Shen Q, O'Hagan R, Pantginis J, Zhou H, Horner JW, Cordon-Cardo C, Yancopoulos GD, DePinho RA. Essential role for oncogenic Ras in tumour maintenance. *Nature* 400(6743):468-72, 7/1999. PMID: 10440378.
61. Orlov I, Rabbani F, Chin L, Pomerantz J, Ligeois N, Dudas M, DePinho R, Cordón-Cardó C. Involvement of the Ink4a gene (p16 and p19arf) in murine tumorigenesis. *Int J Oncol* 15(1):17-24, 7/1999. PMID: 10375589.
62. Ghiani CA, Yuan X, Eisen AM, Knutson PL, DePinho RA, McBain CJ, Gallo V. Voltage-activated K⁺ channels and membrane depolarization regulate accumulation of the cyclin-dependent kinase inhibitors p27(Kip1) and p21(CIP1) in glial progenitor cells. *J Neurosci* 19(13):5380-92, 7/1999. PMID: 10377348.
63. Gopalkrishnan RV, Christiansen KA, Goldstein NI, DePinho RA, Fisher PB. Use of the human EF-1alpha promoter for expression can significantly increase success in establishing stable cell lines with consistent expression: a study using the tetracycline-inducible system in human cancer cells. *Nucleic Acids Res* 27(24):4775-82, 12/1999. PMCID: PMC148778.
64. Shen-Li H, O'Hagan RC, Hou H, Horner JW, Lee HW, DePinho RA. Essential role for Max in early embryonic growth and development. *Genes Dev* 14(1):17-22, 1/2000. PMCID: PMC316346.
65. O'Hagan RC, Schreiber-Agus N, Chen K, David G, Engelman JA, Schwab R, Alland L, Thomson C, Ronning DR, Sacchettini JC, Meltzer P, DePinho RA. Gene-target recognition among members of the myc superfamily and implications for oncogenesis. *Nat Genet* 24(2):113-9, 2/2000. PMID: 10655054.
66. Rudolph KL, Chang S, Millard M, Schreiber-Agus N, DePinho RA. Inhibition of experimental liver cirrhosis in mice by telomerase gene delivery. *Science* 287(5456):1253-8, 2/2000. PMID: 10678830.
67. Gagandeep S, Ott M, Nisen PD, DePinho RA, Gupta S. Overexpression of Mad transcription factor inhibits proliferation of cultured human hepatocellular carcinoma cells along with tumor formation in immunodeficient animals. *J Gene Med* 2(2):117-27, Mar-Apr, 3/2000. PMID: 10809145.
68. Gagandeep S, Sokhi R, Slehria S, Gorla GR, Furgiuele J, DePinho RA, Gupta S. Hepatocyte transplantation improves survival in mice with liver toxicity induced by hepatic overexpression of Mad1 transcription factor. *Mol Ther* 1(4):358-65, 4/2000. PMID: 10933954.
69. Gao Y, Ferguson DO, Xie W, Manis JP, Sekiguchi J, Frank KM, Chaudhuri J, Horner J, DePinho RA, Alt FW. Interplay of p53 and DNA-repair protein XRCC4 in tumorigenesis, genomic stability and development. *Nature* 404(6780):897-900, 4/2000. PMID: 10786799.
70. Albanese C, Reutens AT, Bouzahzah B, Fu M, D'Amico M, Link T, Nicholson R, DePinho RA, Pestell RG. Sustained mammary gland-directed, ponasterone A-inducible expression in transgenic mice. *FASEB J* 14(7):877-84, 5/2000. PMID: 10783141.
71. Frank KM, Sharpless NE, Gao Y, Sekiguchi JM, Ferguson DO, Zhu C, Manis JP, Horner J, DePinho RA, Alt FW. DNA ligase IV deficiency in mice leads to defective neurogenesis and embryonic lethality via the p53 pathway. *Mol Cell* 5(6):993-1002, 6/2000. PMID: 10911993.
72. Malynn BA, de Alboran IM, O'Hagan RC, Bronson R, Davidson L, DePinho RA, Alt FW. N-myc can functionally replace c-myc in murine development, cellular growth, and differentiation. *Genes Dev* 14(11):1390-9, 6/2000. PMCID: PMC316670.
73. Ferguson DO, Sekiguchi JM, Chang S, Frank KM, Gao Y, DePinho RA, Alt FW. The nonhomologous end-joining pathway of DNA repair is required for genomic stability and the suppression of translocations. *Proc Natl Acad Sci U S A* 97(12):6630-3, 6/2000. PMCID: PMC18682.
74. Artandi SE, Chang S, Lee SL, Alson S, Gottlieb GJ, Chin L, DePinho RA. Telomere dysfunction promotes non-reciprocal translocations and epithelial cancers in mice. *Nature* 406(6796):641-5, 8/2000. PMID: 10949306.

75. O'Hagan RC, Ohh M, David G, de Alboran IM, Alt FW, Kaelin WG, DePinho RA. Myc-enhanced expression of Cul1 promotes ubiquitin-dependent proteolysis and cell cycle progression. *Genes Dev* 14(17):2185-91, 9/2000. PMID: PMC316894.
76. Wong KK, Chang S, Weiler SR, Ganesan S, Chaudhuri J, Zhu C, Artandi SE, Rudolph KL, Gottlieb GJ, Chin L, Alt FW, DePinho RA. Telomere dysfunction impairs DNA repair and enhances sensitivity to ionizing radiation. *Nat Genet* 26(1):85-8, 9/2000. PMID: 10973255.
77. DePinho RA. The age of cancer. *Nature* 408(6809):248-54, 11/2000. PMID: 11089982.
78. Chang MA, Horner JW, Conklin BR, DePinho RA, Bok D, Zack DJ. Tetracycline-inducible system for photoreceptor-specific gene expression. *Invest Ophthalmol Vis Sci* 41(13):4281-7, 12/2000. PMID: 11095627.
79. Ferguson DO, Sekiguchi JM, Frank KM, Gao Y, Sharpless NE, Gu Y, Manis J, DePinho RA, Alt FW. The interplay between nonhomologous end-joining and cell cycle checkpoint factors in development, genomic stability, and tumorigenesis. *Cold Spring Harb Symp Quant Biol* 65:395-403, 2000. PMID: 12760055.
80. de Alboran IM, O'Hagan RC, Gärtner F, Malynn B, Davidson L, Rickert R, Rajewsky K, DePinho RA, Alt FW. Analysis of C-MYC function in normal cells via conditional gene-targeted mutation. *Immunity* 14(1):45-55, 1/2001. PMID: 11163229.
81. Raveh T, Droguett G, Horwitz MS, DePinho RA, Kimchi A. DAP kinase activates a p19ARF/p53-mediated apoptotic checkpoint to suppress oncogenic transformation. *Nat Cell Biol* 3(1):1-7, 1/2001. PMID: 11146619.
82. Zhang SL, DuBois W, Ramsay ES, Bliskovski V, Morse HC, Taddesse-Heath L, Vass WC, DePinho RA, Mock BA. Efficiency alleles of the Pctr1 modifier locus for plasmacytoma susceptibility. *Mol Cell Biol* 21(1):310-8, 1/2001. PMID: PMC88804.
83. Bardeesy N, Bastian BC, Hezel A, Pinkel D, DePinho RA, Chin L. Dual inactivation of RB and p53 pathways in RAS-induced melanomas. *Mol Cell Biol* 21(6):2144-53, 3/2001. PMID: PMC86838.
84. Lee KH, Rudolph KL, Ju YJ, Greenberg RA, Cannizzaro L, Chin L, Weiler SR, DePinho RA. Telomere dysfunction alters the chemotherapeutic profile of transformed cells. *Proc Natl Acad Sci U S A* 98(6):3381-6, 3/2001. PMID: PMC30662.
85. Martelli F, Hamilton T, Silver DP, Sharpless NE, Bardeesy N, Rokas M, DePinho RA, Livingston DM, Grossman SR. p19ARF targets certain E2F species for degradation. *Proc Natl Acad Sci U S A* 98(8):4455-60, 4/2001. e-Pub 3/2001. PMID: PMC31856.
86. Maher EA, Furnari FB, Bachoo RM, Rowitch DH, Louis DN, Cavenee WK, DePinho RA. Malignant glioma: genetics and biology of a grave matter. *Genes Dev* 15(11):1311-33, 6/2001. PMID: 11390353.
87. Ranganathan V, Heine WF, Ciccone DN, Rudolph KL, Wu X, Chang S, Hai H, Ahearn IM, Livingston DM, Resnick I, Rosen F, Seemanova E, Jarolim P, DePinho RA, Weaver DT. Rescue of a telomere length defect of Nijmegen breakage syndrome cells requires NBS and telomerase catalytic subunit. *Curr Biol* 11(12):962-6, 6/2001. PMID: 11448772.
88. Rudolph KL, Millard M, Bosenberg MW, DePinho RA. Telomere dysfunction and evolution of intestinal carcinoma in mice and humans. *Nat Genet* 28(2):155-9, 6/2001. PMID: 11381263.
89. Hemann MT, Rudolph KL, Strong MA, DePinho RA, Chin L, Greider CW. Telomere dysfunction triggers developmentally regulated germ cell apoptosis. *Mol Biol Cell* 12(7):2023-30, 7/2001. PMID: PMC55650.
90. Sharpless NE, Bardeesy N, Lee KH, Carrasco D, Castrillon DH, Aguirre AJ, Wu EA, Horner JW, DePinho RA. Loss of p16Ink4a with retention of p19Arf predisposes mice to tumorigenesis. *Nature* 413(6851):86-91, 9/2001. PMID: 11544531.
91. Yang J, Luan J, Yu Y, Li C, DePinho RA, Chin L, Richmond A. Induction of melanoma in murine macrophage inflammatory protein 2 transgenic mice heterozygous for inhibitor of kinase/alternate reading frame. *Cancer Res* 61(22):8150-7, 11/2001. PMID: 11719444.
92. Sharpless NE, Ferguson DO, O'Hagan RC, Castrillon DH, Lee C, Farazi PA, Alson S, Fleming J, Morton CC, Frank K, Chin L, Alt FW, DePinho RA. Impaired nonhomologous end-joining provokes soft tissue sarcomas harboring chromosomal translocations, amplifications, and deletions. *Mol Cell* 8(6):1187-96, 12/2001. PMID: 11779495.

93. Bardeesy N, Morgan J, Sinha M, Signoretti S, Srivastava S, Loda M, Merlino G, DePinho RA. Obligate roles for p16(Ink4a) and p19(Arf)-p53 in the suppression of murine pancreatic neoplasia. *Mol Cell Biol* 22(2):635-43, 1/2002. PMID: PMC139752.
94. You MJ, Castrillon DH, Bastian BC, O'Hagan RC, Bosenberg MW, Parsons R, Chin L, DePinho RA. Genetic analysis of Pten and Ink4a/Arf interactions in the suppression of tumorigenesis in mice. *Proc Natl Acad Sci U S A* 99(3):1455-60, 2/2002. e-Pub 1/2002. PMID: PMC122212.
95. Sviderskaya EV, Hill SP, Evans-Whipp TJ, Chin L, Orlow SJ, Easty DJ, Cheong SC, Beach D, DePinho RA, Bennett DC. p16(Ink4a) in melanocyte senescence and differentiation. *J Natl Cancer Inst* 94(6):446-54, 3/2002. PMID: 11904317.
96. Bachoo RM, Maher EA, Ligon KL, Sharpless NE, Chan SS, You MJ, Tang Y, DeFrances J, Stover E, Weissleder R, Rowitch DH, Louis DN, DePinho RA. Epidermal growth factor receptor and Ink4a/Arf: convergent mechanisms governing terminal differentiation and transformation along the neural stem cell to astrocyte axis. *Cancer Cell* 1(3):269-77, 4/2002. PMID: 12086863.
97. Alland L, David G, Shen-Li H, Potes J, Muhle R, Lee HC, Hou H, Chen K, DePinho RA. Identification of mammalian Sds3 as an integral component of the Sin3/histone deacetylase corepressor complex. *Mol Cell Biol* 22(8):2743-50, 4/2002. PMID: PMC133736.
98. Sharpless NE, Alson S, Chan S, Silver DP, Castrillon DH, DePinho RA. p16(INK4a) and p53 deficiency cooperate in tumorigenesis. *Cancer Res* 62(10):2761-5, 5/2002. PMID: 12019151.
99. Artandi SE, Alson S, Tietze MK, Sharpless NE, Ye S, Greenberg RA, Castrillon DH, Horner JW, Weiler SR, Carrasco RD, DePinho RA. Constitutive telomerase expression promotes mammary carcinomas in aging mice. *Proc Natl Acad Sci U S A* 99(12):8191-6, 6/2002. e-Pub 5/2002. PMID: PMC123043.
100. David G, Neptune MA, DePinho RA. SUMO-1 modification of histone deacetylase 1 (HDAC1) modulates its biological activities. *J Biol Chem* 277(26):23658-63, 6/2002. e-Pub 4/2002. PMID: 11960997.
101. Maser RS, DePinho RA. Connecting chromosomes, crisis, and cancer. *Science* 297(5581):565-9, 7/2002. PMID: 12142527.
102. Sharpless NE, DePinho RA. p53: good cop/bad cop. *Cell* 110(1):9-12, 7/2002. PMID: 12150992.
103. Lee CK, Raz R, Gimeno R, Gertner R, Wistinghausen B, Takeshita K, DePinho RA, Levy DE. STAT3 is a negative regulator of granulopoiesis but is not required for G-CSF-dependent differentiation. *Immunity* 17(1):63-72, 7/2002. PMID: 12150892.
104. Zhang Z, Wang Y, Herzog CR, Liu G, Lee HW, DePinho RA, You M. A strong candidate gene for the Papg1 locus on mouse chromosome 4 affecting lung tumor progression. *Oncogene* 21(38):5960-6, 8/2002. PMID: 12185599.
105. O'Hagan RC, Chang S, Maser RS, Mohan R, Artandi SE, Chin L, DePinho RA. Telomere dysfunction provokes regional amplification and deletion in cancer genomes. *Cancer Cell* 2(2):149-55, 8/2002. PMID: 12204535.
106. Lund AH, Turner G, Trubetskoy A, Verhoeven E, Wientjens E, Hulsman D, Russell R, DePinho RA, Lenz J, van Lohuizen M. Genome-wide retroviral insertional tagging of genes involved in cancer in Cdkn2a-deficient mice. *Nat Genet* 32(1):160-5, 9/2002. e-Pub 8/2002. PMID: 12185367.
107. Bardeesy N, Sinha M, Hezel AF, Signoretti S, Hathaway NA, Sharpless NE, Loda M, Carrasco DR, DePinho RA. Loss of the Lkb1 tumour suppressor provokes intestinal polyposis but resistance to transformation. *Nature* 419(6903):162-7, 9/2002. PMID: 12226664.
108. Recio JA, Noonan FP, Takayama H, Anver MR, Duray P, Rush WL, Lindner G, De Fabo EC, DePinho RA, Merlino G. Ink4a/arf deficiency promotes ultraviolet radiation-induced melanomagenesis. *Cancer Res* 62(22):6724-30, 11/2002. PMID: 12438273.
109. Sharp R, Recio JA, Jhappan C, Otsuka T, Liu S, Yu Y, Liu W, Anver M, Navid F, Helman LJ, DePinho RA, Merlino G. Synergism between INK4a/ARF inactivation and aberrant HGF/SF signaling in rhabdomyosarcomagenesis. *Nat Med* 8(11):1276-80, 11/2002. e-Pub 10/2002. PMID: 12368906.

110. Bardeesy N, DePinho RA. Pancreatic cancer biology and genetics. *Nat Rev Cancer* 2(12):897-909, 12/2002. PMID: 12459728.
111. Chang S, Khoo CM, Naylor ML, Maser RS, DePinho RA. Telomere-based crisis: functional differences between telomerase activation and ALT in tumor progression. *Genes Dev* 17(1):88-100, 1/2003. PMCID: PMC195968.
112. Gibson SL, Dai CY, Lee HW, DePinho RA, Gee MS, Lee WM, Furth EE, Brensinger C, Enders GH. Inhibition of colon tumor progression and angiogenesis by the *Ink4a/Arf* locus. *Cancer Res* 63(4):742-6, 2/2003. PMID: 12591718.
113. Wong KK, Maser RS, Bachoo RM, Menon J, Carrasco DR, Gu Y, Alt FW, DePinho RA. Telomere dysfunction and *Atm* deficiency compromises organ homeostasis and accelerates ageing. *Nature* 421(6923):643-8, 2/2003. e-Pub 1/2003. PMID: 12540856.
114. Allsopp RC, Morin GB, Horner JW, DePinho R, Harley CB, Weissman IL. Effect of TERT over-expression on the long-term transplantation capacity of hematopoietic stem cells. *Nat Med* 9(4):369-71, 4/2003. PMID: 12669037.
115. Weiss WA, Burns MJ, Hackett C, Aldape K, Hill JR, Kuriyama H, Kuriyama N, Milshteyn N, Roberts T, Wendland MF, DePinho R, Israel MA. Genetic determinants of malignancy in a mouse model for oligodendroglioma. *Cancer Res* 63(7):1589-95, 4/2003. PMID: 12670909.
116. D'Amico M, Wu K, Di Vizio D, Reutens AT, Stahl M, Fu M, Albanese C, Russell RG, Muller WJ, White M, Negassa A, Lee HW, DePinho RA, Pestell RG. The role of *Ink4a/Arf* in *ErbB2* mammary gland tumorigenesis. *Cancer Res* 63(12):3395-402, 6/2003. PMID: 12810676.
117. Castrillon DH, Miao L, Kollipara R, Horner JW, DePinho RA. Suppression of ovarian follicle activation in mice by the transcription factor *Foxo3a*. *Science* 301(5630):215-8, 7/2003. PMID: 12855809.
118. Allsopp RC, Morin GB, DePinho R, Harley CB, Weissman IL. Telomerase is required to slow telomere shortening and extend replicative lifespan of HSCs during serial transplantation. *Blood* 102(2):517-20, 7/2003. e-Pub 3/2003. PMID: 12663456.
119. Farazi PA, Glickman J, Jiang S, Yu A, Rudolph KL, DePinho RA. Differential impact of telomere dysfunction on initiation and progression of hepatocellular carcinoma. *Cancer Res* 63(16):5021-7, 8/2003. PMID: 12941829.
120. Ossipova O, Bardeesy N, DePinho RA, Green JB. *LKB1* (*XEEK1*) regulates Wnt signalling in vertebrate development. *Nat Cell Biol* 5(10):889-94, 10/2003. e-Pub 9/2003. PMID: 12973359.
121. Safran M, Kim WY, Kung AL, Horner JW, DePinho RA, Kaelin WG. Mouse reporter strain for noninvasive bioluminescent imaging of cells that have undergone Cre-mediated recombination. *Mol Imaging* 2(4):297-302, 10/2003. PMID: 14717328.
122. David G, Turner GM, Yao Y, Protopopov A, DePinho RA. *mSin3*-associated protein, *mSds3*, is essential for pericentric heterochromatin formation and chromosome segregation in mammalian cells. *Genes Dev* 17(19):2396-405, 10/2003. PMCID: PMC218077.
123. Hallows JL, Chen K, DePinho RA, Vincent I. Decreased cyclin-dependent kinase 5 (*cdk5*) activity is accompanied by redistribution of *cdk5* and cytoskeletal proteins and increased cytoskeletal protein phosphorylation in *p35* null mice. *J Neurosci* 23(33):10633-44, 11/2003. PMID: 14627648.
124. Aguirre AJ, Bardeesy N, Sinha M, Lopez L, Tuveson DA, Horner J, Redston MS, DePinho RA. Activated *Kras* and *Ink4a/Arf* deficiency cooperate to produce metastatic pancreatic ductal adenocarcinoma. *Genes Dev* 17(24):3112-26, 12/2003. e-Pub 12/2003. PMCID: PMC305262.
125. Sharpless NE, Ramsey MR, Balasubramanian P, Castrillon DH, DePinho RA. The differential impact of *p16*(*INK4a*) or *p19*(*ARF*) deficiency on cell growth and tumorigenesis. *Oncogene* 23(2):379-85, 1/2004. PMID: 14724566.
126. Shaw RJ, Kosmatka M, Bardeesy N, Hurley RL, Witters LA, DePinho RA, Cantley LC. The tumor suppressor *LKB1* kinase directly activates AMP-activated kinase and regulates apoptosis in response to energy stress. *Proc Natl Acad Sci U S A* 101(10):3329-35, 3/2004. e-Pub 2/2004. PMCID: PMC373461.
127. Tuveson DA, Shaw AT, Willis NA, Silver DP, Jackson EL, Chang S, Mercer KL, Grochow R, Hock H, Crowley D, Hingorani SR, Zaks T, King C, Jacobetz MA, Wang L, Bronson RT, Orkin SH, DePinho RA, Jacks T. Endogenous oncogenic *K-ras*(G12D) stimulates proliferation and

- widespread neoplastic and developmental defects. *Cancer Cell* 5(4):375-87, 4/2004. PMID: 15093544.
128. Sachs Z, Sharpless NE, DePinho RA, Rosenberg N. p16(Ink4a) interferes with Abelson virus transformation by enhancing apoptosis. *J Virol* 78(7):3304-11, 4/2004. PMCID: PMC371071.
 129. Aguirre AJ, Brennan C, Bailey G, Sinha R, Feng B, Leo C, Zhang Y, Zhang J, Gans JD, Bardeesy N, Cauwels C, Cordon-Cardo C, Redston MS, DePinho RA, Chin L. High-resolution characterization of the pancreatic adenocarcinoma genome. *Proc Natl Acad Sci U S A* 101(24):9067-72, 6/2004. PMCID: PMC428474.
 130. Bachoo RM, Kim RS, Ligon KL, Maher EA, Brennan C, Billings N, Chan S, Li C, Rowitch DH, Wong WH, DePinho RA. Molecular diversity of astrocytes with implications for neurological disorders. *Proc Natl Acad Sci U S A* 101(22):8384-9, 6/2004. e-Pub 5/2004. PMCID: PMC420403.
 131. Corradetti MN, Inoki K, Bardeesy N, DePinho RA, Guan KL. Regulation of the TSC pathway by LKB1: evidence of a molecular link between tuberous sclerosis complex and Peutz-Jeghers syndrome. *Genes Dev* 18(13):1533-8, 7/2004. PMCID: PMC443516.
 132. Shaw RJ, Bardeesy N, Manning BD, Lopez L, Kosmatka M, DePinho RA, Cantley LC. The LKB1 tumor suppressor negatively regulates mTOR signaling. *Cancer Cell* 6(1):91-9, 7/2004. PMID: 15261145.
 133. Chang S, Multani AS, Cabrera NG, Naylor ML, Laud P, Lombard D, Pathak S, Guarente L, DePinho RA. Essential role of limiting telomeres in the pathogenesis of Werner syndrome. *Nat Genet* 36(8):877-82, 8/2004. e-Pub 7/2004. PMID: 15235603.
 134. Argilla D, Chin K, Singh M, Hodgson JG, Bosenberg M, de Solórzano CO, Lockett S, DePinho RA, Gray J, Hanahan D. Absence of telomerase and shortened telomeres have minimal effects on skin and pancreatic carcinogenesis elicited by viral oncogenes. *Cancer Cell* 6(4):373-85, 10/2004. PMID: 15488760.
 135. Du X, Shen J, Kugan N, Furth EE, Lombard DB, Cheung C, Pak S, Luo G, Pignolo RJ, DePinho RA, Guarente L, Johnson FB. Telomere shortening exposes functions for the mouse Werner and Bloom syndrome genes. *Mol Cell Biol* 24(19):8437-46, 10/2004. PMCID: PMC516757.
 136. Keller C, Arenkiel BR, Coffin CM, El-Bardeesy N, DePinho RA, Capecchi MR. Alveolar rhabdomyosarcomas in conditional Pax3:Fkhr mice: cooperativity of Ink4a/ARF and Trp53 loss of function. *Genes Dev* 18(21):2614-26, 11/2004. e-Pub 10/2004. PMCID: PMC525542.
 137. Li Z, David G, Hung KW, DePinho RA, Fu AK, Ip NY. Cdk5/p35 phosphorylates mSds3 and regulates mSds3-mediated repression of transcription. *J Biol Chem* 279(52):54438-44, 12/2004. e-Pub 10/2004. PMID: 15489224.
 138. Sarkar-Agrawal P, Vergilis I, Sharpless NE, DePinho RA, Rüntger TM. Impaired processing of DNA photoproducts and ultraviolet hypermutability with loss of p16INK4a or p19ARF. *J Natl Cancer Inst* 96(23):1790-3, 12/2004. PMID: 15572761.
 139. Okumura K, Zhao M, DePinho RA, Furnari FB, Cavenee WK. Cellular transformation by the MSP58 oncogene is inhibited by its physical interaction with the PTEN tumor suppressor. *Proc Natl Acad Sci U S A* 102(8):2703-6, 2/2005. e-Pub 1/2005. PMCID: PMC549467.
 140. Okumura K, Zhao M, DePinho RA, Furnari FB, Cavenee WK. PTEN: a novel anti-oncogenic function independent of phosphatase activity. *Cell Cycle* 4(4):540-2, 4/2005. e-Pub 4/2005. PMID: 15753657.
 141. Rüntger TM, Vergilis I, Sarkar P, DePinho RA, Sharpless NE. How disruption of cell cycle regulating genes might predispose to sun-induced skin cancer. *Cell Cycle* 4(5):643-5, 5/2005. e-Pub 5/2005. PMID: 15846097.
 142. Westbrook TF, Martin ES, Schlabach MR, Leng Y, Liang AC, Feng B, Zhao JJ, Roberts TM, Mandel G, Hannon GJ, DePinho RA, Chin L, Elledge SJ. A genetic screen for candidate tumor suppressors identifies REST. *Cell* 121(6):837-48, 6/2005. PMID: 15960972.
 143. Asher DR, Cerny AM, Weiler SR, Horner JW, Keeler ML, Neptune MA, Jones SN, Bronson RT, DePinho RA, Finberg RW. Coxsackievirus and adenovirus receptor is essential for cardiomyocyte development. *Genesis* 42(2):77-85, 6/2005. PMID: 15864812.
 144. Tonon G, Wong KK, Maulik G, Brennan C, Feng B, Zhang Y, Khatry DB, Protopopov A, You MJ, Aguirre AJ, Martin ES, Yang Z, Ji H, Chin L, DePinho RA. High-resolution genomic

- profiles of human lung cancer. *Proc Natl Acad Sci U S A* 102(27):9625-30, 7/2005. e-Pub 6/2005. PMID: PMC1160520.
145. Luo J, Sobkiw CL, Logsdon NM, Watt JM, Signoretti S, O'Connell F, Shin E, Shim Y, Pao L, Neel BG, DePinho RA, Loda M, Cantley LC. Modulation of epithelial neoplasia and lymphoid hyperplasia in PTEN+/- mice by the p85 regulatory subunits of phosphoinositide 3-kinase. *Proc Natl Acad Sci U S A* 102(29):10238-43, 7/2005. e-Pub 7/2005. PMID: PMC1174923.
 146. Dannenberg JH, David G, Zhong S, van der Torre J, Wong WH, DePinho RA. mSin3A corepressor regulates diverse transcriptional networks governing normal and neoplastic growth and survival. *Genes Dev* 19(13):1581-95, 7/2005. PMID: PMC1172064.
 147. Potente M, Urbich C, Sasaki K, Hofmann WK, Heeschen C, Aicher A, Kollipara R, DePinho RA, Zeiher AM, Dimmeler S. Involvement of Foxo transcription factors in angiogenesis and postnatal neovascularization. *J Clin Invest* 115(9):2382-92, 9/2005. e-Pub 8/2005. PMID: PMC1184037.
 148. Stanger BZ, Stiles B, Lauwers GY, Bardeesy N, Mendoza M, Wang Y, Greenwood A, Cheng KH, McLaughlin M, Brown D, DePinho RA, Wu H, Melton DA, Dor Y. Pten constrains centroacinar cell expansion and malignant transformation in the pancreas. *Cancer Cell* 8(3):185-95, 9/2005. PMID: 16169464.
 149. Luo J, McMullen JR, Sobkiw CL, Zhang L, Dorfman AL, Sherwood MC, Logsdon MN, Horner JW, DePinho RA, Izumo S, Cantley LC. Class IA phosphoinositide 3-kinase regulates heart size and physiological cardiac hypertrophy. *Mol Cell Biol* 25(21):9491-502, 11/2005. PMID: PMC1265829.
 150. Laud PR, Multani AS, Bailey SM, Wu L, Ma J, Kingsley C, Lebel M, Pathak S, DePinho RA, Chang S. Elevated telomere-telomere recombination in WRN-deficient, telomere dysfunctional cells promotes escape from senescence and engagement of the ALT pathway. *Genes Dev* 19(21):2560-70, 11/2005. PMID: PMC1276730.
 151. Shaw RJ, Lamia KA, Vasquez D, Koo SH, Bardeesy N, DePinho RA, Montminy M, Cantley LC. The kinase LKB1 mediates glucose homeostasis in liver and therapeutic effects of metformin. *Science* 310(5754):1642-6, 12/2005. e-Pub 11/2005. PMID: PMC3074427.
 152. Tonon G, Brennan C, Protopopov A, Maulik G, Feng B, Zhang Y, Khattry DB, You MJ, Aguirre AJ, Martin ES, Yang Z, Ji H, Chin L, Wong KK, DePinho RA. Common and contrasting genomic profiles among the major human lung cancer subtypes. *Cold Spring Harb Symp Quant Biol* 70:11-24, 2005. PMID: 16869734.
 153. Safran M, Kim WY, O'Connell F, Flippin L, Günzler V, Horner JW, DePinho RA, Kaelin WG. Mouse model for noninvasive imaging of HIF prolyl hydroxylase activity: assessment of an oral agent that stimulates erythropoietin production. *Proc Natl Acad Sci U S A* 103(1):105-10, 1/2006. e-Pub 12/2005. PMID: PMC1324998.
 154. Haines BB, Ryu CJ, Chang S, Protopopov A, Luch A, Kang YH, Draganov DD, Fragoso MF, Paik SG, Hong HJ, DePinho RA, Chen J. Block of T cell development in P53-deficient mice accelerates development of lymphomas with characteristic RAG-dependent cytogenetic alterations. *Cancer Cell* 9(2):109-20, 2/2006. PMID: 16473278.
 155. Heltweg B, Gatbonton T, Schuler AD, Posakony J, Li H, Goehle S, Kollipara R, DePinho RA, Gu Y, Simon JA, Bedalov A. Antitumor activity of a small-molecule inhibitor of human silent information regulator 2 enzymes. *Cancer Res* 66(8):4368-77, 4/2006. PMID: 16618762.
 156. Bardeesy N, Aguirre AJ, Chu GC, Cheng KH, Lopez LV, Hezel AF, Feng B, Brennan C, Weissleder R, Mahmood U, Hanahan D, Redston MS, Chin L, DePinho RA. Both p16(Ink4a) and the p19(Arf)-p53 pathway constrain progression of pancreatic adenocarcinoma in the mouse. *Proc Natl Acad Sci U S A* 103(15):5947-52, 4/2006. e-Pub 4/2006. PMID: PMC1458678.
 157. Carrasco DR, Tonon G, Huang Y, Zhang Y, Sinha R, Feng B, Stewart JP, Zhan F, Khattry D, Protopopova M, Protopopov A, Sukhdeo K, Hanamura I, Stephens O, Barlogie B, Anderson KC, Chin L, Shaughnessy JD, Brennan C, DePinho RA. High-resolution genomic profiles define distinct clinico-pathogenetic subgroups of multiple myeloma patients. *Cancer Cell* 9(4):313-25, 4/2006. PMID: 16616336.
 158. Bosenberg M, Muthusamy V, Curley DP, Wang Z, Hobbs C, Nelson B, Nogueira C, Horner JW, DePinho R, Chin L. Characterization of melanocyte-specific inducible Cre recombinase transgenic mice. *Genesis* 44(5):262-7, 5/2006. PMID: 16676322.

159. Farazi PA, Glickman J, Horner J, DePinho RA. Cooperative interactions of p53 mutation, telomere dysfunction, and chronic liver damage in hepatocellular carcinoma progression. *Cancer Res* 66(9):4766-73, 5/2006. PMID: 16651430.
160. Hezel AF, Kimmelman AC, Stanger BZ, Bardeesy N, DePinho RA. Genetics and biology of pancreatic ductal adenocarcinoma. *Genes Dev* 20(10):1218-49, 5/2006. PMID: 16702400.
161. Carrasco DR, Fenton T, Sukhdeo K, Protopopova M, Enos M, You MJ, Di Vizio D, Divicio D, Nogueira C, Stommel J, Pinkus GS, Fletcher C, Hornick JL, Cavenee WK, Furnari FB, DePinho RA. The PTEN and INK4A/ARF tumor suppressors maintain myelolymphoid homeostasis and cooperate to constrain histiocytic sarcoma development in humans. *Cancer Cell* 9(5):379-90, 5/2006. PMID: 16697958.
162. Farazi PA, Zeisberg M, Glickman J, Zhang Y, Kalluri R, DePinho RA. Chronic bile duct injury associated with fibrotic matrix microenvironment provokes cholangiocarcinoma in p53-deficient mice. *Cancer Res* 66(13):6622-7, 7/2006. PMID: 16818635.
163. Dickie R, Bachoo RM, Rupnick MA, Dallabrida SM, Deloid GM, Lai J, DePinho RA, Rogers RA. Three-dimensional visualization of microvessel architecture of whole-mount tissue by confocal microscopy. *Microvasc Res* 72(1-2):20-6, Jul-Sep, 7/2006. e-Pub 6/2006. PMID: 16806289.
164. Farazi PA, DePinho RA. Hepatocellular carcinoma pathogenesis: from genes to environment. *Nat Rev Cancer* 6(9):674-87, 9/2006. PMID: 16929323.
165. Okumura K, Mendoza M, Bachoo RM, DePinho RA, Cavenee WK, Furnari FB. PCAF modulates PTEN activity. *J Biol Chem* 281(36):26562-8, 9/2006. e-Pub 7/2006. PMID: 16829519.
166. Janzen V, Forkert R, Fleming HE, Saito Y, Waring MT, Dombkowski DM, Cheng T, DePinho RA, Sharpless NE, Scadden DT. Stem-cell ageing modified by the cyclin-dependent kinase inhibitor p16INK4a. *Nature* 443(7110):421-6, 9/2006. e-Pub 9/2006. PMID: 16957735.
167. Farazi PA, DePinho RA. The genetic and environmental basis of hepatocellular carcinoma. *Discov Med* 6(35):182-6, 10/2006. PMID: 17234139.
168. Liu F, Park PJ, Lai W, Maher E, Chakravarti A, Durso L, Jiang X, Yu Y, Brosius A, Thomas M, Chin L, Brennan C, DePinho RA, Kohane I, Carroll RS, Black PM, Johnson MD. A genome-wide screen reveals functional gene clusters in the cancer genome and identifies EphA2 as a mitogen in glioblastoma. *Cancer Res* 66(22):10815-23, 11/2006. e-Pub 11/2006. PMID: 17090523.
169. David G, Dannenberg JH, Simpson N, Finnerty PM, Miao L, Turner GM, Ding Z, Carrasco R, DePinho RA. Haploinsufficiency of the mSds3 chromatin regulator promotes chromosomal instability and cancer only upon complete neutralization of p53. *Oncogene* 25(56):7354-60, 11/2006. e-Pub 6/2006. PMID: 16767157.
170. Bardeesy N, Cheng KH, Berger JH, Chu GC, Pahler J, Olson P, Hezel AF, Horner J, Lauwers GY, Hanahan D, DePinho RA. Smad4 is dispensable for normal pancreas development yet critical in progression and tumor biology of pancreas cancer. *Genes Dev* 20(22):3130-46, 11/2006. PMCID: PMC1635148.
171. Maher EA, Brennan C, Wen PY, Durso L, Ligon KL, Richardson A, Khatry D, Feng B, Sinha R, Louis DN, Quackenbush J, Black PM, Chin L, DePinho RA. Marked genomic differences characterize primary and secondary glioblastoma subtypes and identify two distinct molecular and clinical secondary glioblastoma entities. *Cancer Res* 66(23):11502-13, 12/2006. e-Pub 11/2006. PMID: 17114236.
172. Stegh AH, Kim H, Bachoo RM, Forloney KL, Zhang J, Schulze H, Park K, Hannon GJ, Yuan J, Louis DN, DePinho RA, Chin L. Bcl2L12 inhibits post-mitochondrial apoptosis signaling in glioblastoma. *Genes Dev* 21(1):98-111, 1/2007. PMCID: PMC1759904.
173. Tothova Z, Kollipara R, Huntly BJ, Lee BH, Castrillon DH, Cullen DE, McDowell EP, Lazo-Kallanian S, Williams IR, Sears C, Armstrong SA, Passegué E, DePinho RA, Gilliland DG. FoxOs are critical mediators of hematopoietic stem cell resistance to physiologic oxidative stress. *Cell* 128(2):325-39, 1/2007. PMID: 17254970.
174. Paik JH, Kollipara R, Chu G, Ji H, Xiao Y, Ding Z, Miao L, Tothova Z, Horner JW, Carrasco DR, Jiang S, Gilliland DG, Chin L, Wong WH, Castrillon DH, DePinho RA. FoxOs are lineage-restricted redundant tumor suppressors and regulate endothelial cell homeostasis. *Cell* 128(2):309-23, 1/2007. PMCID: PMC1855089.

175. Ligon KL, Huillard E, Mehta S, Kesari S, Liu H, Alberta JA, Bachoo RM, Kane M, Louis DN, DePinho RA, Anderson DJ, Stiles CD, Rowitch DH. Olig2-regulated lineage-restricted pathway controls replication competence in neural stem cells and malignant glioma. *Neuron* 53(4):503-17, 2/2007. PMCID: PMC1810344.
176. Podar K, Raab MS, Tonon G, Sattler M, Barilà D, Zhang J, Tai YT, Yasui H, Raje N, DePinho RA, Hideshima T, Chauhan D, Anderson KC. Up-regulation of c-Jun inhibits proliferation and induces apoptosis via caspase-triggered c-Abl cleavage in human multiple myeloma. *Cancer Res* 67(4):1680-8, 2/2007. PMID: 17308109.
177. Maser RS, Wong KK, Sahin E, Xia H, Naylor M, Hedberg HM, Artandi SE, DePinho RA. DNA-dependent protein kinase catalytic subunit is not required for dysfunctional telomere fusion and checkpoint response in the telomerase-deficient mouse. *Mol Cell Biol* 27(6):2253-65, 3/2007. e-Pub 12/2006. PMCID: PMC1820500.
178. Khoo CM, Carrasco DR, Bosenberg MW, Paik JH, DePinho RA. Ink4a/Arf tumor suppressor does not modulate the degenerative conditions or tumor spectrum of the telomerase-deficient mouse. *Proc Natl Acad Sci U S A* 104(10):3931-6, 3/2007. e-Pub 2/2007. PMCID: PMC1820686.
179. Li H, Liang J, Castrillon DH, DePinho RA, Olson EN, Liu ZP. FoxO4 regulates tumor necrosis factor alpha-directed smooth muscle cell migration by activating matrix metalloproteinase 9 gene transcription. *Mol Cell Biol* 27(7):2676-86, 4/2007. e-Pub 1/2007. PMCID: PMC1899894.
180. Yang D, McCrann DJ, Nguyen H, St Hilaire C, DePinho RA, Jones MR, Ravid K. Increased polyploidy in aortic vascular smooth muscle cells during aging is marked by cellular senescence. *Aging Cell* 6(2):257-60, 4/2007. e-Pub 2/2007. PMID: 17291294.
181. Carrasco DR, Sukhdeo K, Protopopova M, Sinha R, Enos M, Carrasco DE, Zheng M, Mani M, Henderson J, Pinkus GS, Munshi N, Horner J, Ivanova EV, Protopopov A, Anderson KC, Tonon G, DePinho RA. The differentiation and stress response factor XBP-1 drives multiple myeloma pathogenesis. *Cancer Cell* 11(4):349-60, 4/2007. PMCID: PMC1885943.
182. Wong KK, Maser RS, Sahin E, Bailey ST, Xia H, Ji H, McNamara K, Naylor M, Bronson RT, Ghosh S, Welsh R, DePinho RA. Diminished lifespan and acute stress-induced death in DNA-PKcs-deficient mice with limiting telomeres. *Oncogene* 26(20):2815-21, 5/2007. e-Pub 10/2006. PMID: 17072335.
183. Ha L, Ichikawa T, Anver M, Dickins R, Lowe S, Sharpless NE, Krimpenfort P, DePinho RA, Bennett DC, Sviderskaya EV, Merlino G. ARF functions as a melanoma tumor suppressor by inducing p53-independent senescence. *Proc Natl Acad Sci U S A* 104(26):10968-73, 6/2007. e-Pub 6/2007. PMCID: PMC1904138.
184. Maser RS, Choudhury B, Campbell PJ, Feng B, Wong KK, Protopopov A, O'Neil J, Gutierrez A, Ivanova E, Perna I, Lin E, Mani V, Jiang S, McNamara K, Zaghlul S, Edkins S, Stevens C, Brennan C, Martin ES, Wiedemeyer R, Kabbarah O, Nogueira C, Histen G, Aster J, Mansour M, Duke V, Foroni L, Fielding AK, Goldstone AH, Rowe JM, Wang YA, Look AT, Stratton MR, Chin L, Futreal PA, DePinho RA. Chromosomally unstable mouse tumours have genomic alterations similar to diverse human cancers. *Nature* 447(7147):966-71, 6/2007. e-Pub 5/2007. PMCID: PMC2714968.
185. Chu GC, Kimmelman AC, Hezel AF, DePinho RA. Stromal biology of pancreatic cancer. *J Cell Biochem* 101(4):887-907, 7/2007. PMID: 17266048.
186. Kitamura T, Kitamura YI, Funahashi Y, Shawber CJ, Castrillon DH, Kollipara R, DePinho RA, Kitajewski J, Accili D. A Foxo/Notch pathway controls myogenic differentiation and fiber type specification. *J Clin Invest* 117(9):2477-85, 9/2007. PMCID: PMC1950461.
187. Matsumoto M, Poci A, Rossetti L, DePinho RA, Accili D. Impaired regulation of hepatic glucose production in mice lacking the forkhead transcription factor Foxo1 in liver. *Cell Metab* 6(3):208-16, 9/2007. PMID: 17767907.
188. Stommel JM, Kimmelman AC, Ying H, Nabioullin R, Ponugoti AH, Wiedemeyer R, Stegh AH, Bradner JE, Ligon KL, Brennan C, Chin L, DePinho RA. Coactivation of receptor tyrosine kinases affects the response of tumor cells to targeted therapies. *Science* 318(5848):287-90, 10/2007. e-Pub 9/2007. PMID: 17872411.
189. Martin ES, Tonon G, Sinha R, Xiao Y, Feng B, Kimmelman AC, Protopopov A, Ivanova E, Brennan C, Montgomery K, Kucherlapati R, Bailey G, Redston M, Chin L, DePinho RA.

- Common and distinct genomic events in sporadic colorectal cancer and diverse cancer types. *Cancer Res* 67(22):10736-43, 11/2007. PMID: 18006816.
190. Furnari FB, Fenton T, Bachoo RM, Mukasa A, Stommel JM, Stegh A, Hahn WC, Ligon KL, Louis DN, Brennan C, Chin L, DePinho RA, Cavenee WK. Malignant astrocytic glioma: genetics, biology, and paths to treatment. *Genes Dev* 21(21):2683-710, 11/2007. PMID: 17974913.
 191. O'Neil J, Tchinda J, Gutierrez A, Moreau L, Maser RS, Wong KK, Li W, McKenna K, Liu XS, Feng B, Neuberger D, Silverman L, DeAngelo DJ, Kutok JL, Rothstein R, DePinho RA, Chin L, Lee C, Look AT. Alu elements mediate MYB gene tandem duplication in human T-ALL. *J Exp Med* 204(13):3059-66, 12/2007. e-Pub 12/2007. PMID: PMC2150982.
 192. Kim TK, Lee JS, Oh SY, Jin X, Choi YJ, Lee TH, Lee E, Choi YK, You S, Chung YG, Lee JB, DePinho RA, Chin L, Kim H. Direct transcriptional activation of promyelocytic leukemia protein by IFN regulatory factor 3 induces the p53-dependent growth inhibition of cancer cells. *Cancer Res* 67(23):11133-40, 12/2007. PMID: 18056437.
 193. de la Iglesia N, Konopka G, Puram SV, Chan JA, Bachoo RM, You MJ, Levy DE, DePinho RA, Bonni A. Identification of a PTEN-regulated STAT3 brain tumor suppressor pathway. *Genes Dev* 22(4):449-62, 2/2008. e-Pub 2/2008. PMID: PMC2238667.
 194. David G, Grandinetti KB, Finnerty PM, Simpson N, Chu GC, DePinho RA. Specific requirement of the chromatin modifier mSin3B in cell cycle exit and cellular differentiation. *Proc Natl Acad Sci U S A* 105(11):4168-72, 3/2008. e-Pub 3/2008. PMID: PMC2393767.
 195. Katajisto P, Vaahtomeri K, Ekman N, Ventelä E, Ristimäki A, Bardeesy N, Feil R, DePinho RA, Mäkelä TP. LKB1 signaling in mesenchymal cells required for suppression of gastrointestinal polyposis. *Nat Genet* 40(4):455-9, 4/2008. e-Pub 3/2008. PMID: 18311138.
 196. Hezel AF, Gurumurthy S, Granot Z, Swisa A, Chu GC, Bailey G, Dor Y, Bardeesy N, DePinho RA. Pancreatic LKB1 deletion leads to acinar polarity defects and cystic neoplasms. *Mol Cell Biol* 28(7):2414-25, 4/2008. e-Pub 1/2008. PMID: PMC2268441.
 197. Kelly KA, Bardeesy N, Anbazhagan R, Gurumurthy S, Berger J, Alencar H, DePinho RA, Mahmood U, Weissleder R. Targeted nanoparticles for imaging incipient pancreatic ductal adenocarcinoma. *PLoS Med* 5(4):e85, 4/2008. PMID: PMC2292750.
 198. Perera SA, Maser RS, Xia H, McNamara K, Protopopov A, Chen L, Hezel AF, Kim CF, Bronson RT, Castrillon DH, Chin L, Bardeesy N, DePinho RA, Wong KK. Telomere dysfunction promotes genome instability and metastatic potential in a K-ras p53 mouse model of lung cancer. *Carcinogenesis* 29(4):747-53, 4/2008. e-Pub 2/2008. PMID: 18283039.
 199. Faca VM, Song KS, Wang H, Zhang Q, Krasnoselsky AL, Newcomb LF, Plentz RR, Gurumurthy S, Redston MS, Pitteri SJ, Pereira-Faca SR, Ireton RC, Katayama H, Glukhova V, Phanstiel D, Brenner DE, Anderson MA, Misek D, Scholler N, Urban ND, Barnett MJ, Edelstein C, Goodman GE, Thornquist MD, McIntosh MW, DePinho RA, Bardeesy N, Hanash SM. A mouse to human search for plasma proteome changes associated with pancreatic tumor development. *PLoS Med* 5(6):e123, 6/2008. PMID: PMC2504036.
 200. Herzog S, Hug E, Meixlsperger S, Paik JH, DePinho RA, Reth M, Jumaa H. SLP-65 regulates immunoglobulin light chain gene recombination through the PI(3)K-PKB-Foxo pathway. *Nat Immunol* 9(6):623-31, 6/2008. PMID: 18488031.
 201. Dong XC, Copps KD, Guo S, Li Y, Kollipara R, DePinho RA, White MF. Inactivation of hepatic Foxo1 by insulin signaling is required for adaptive nutrient homeostasis and endocrine growth regulation. *Cell Metab* 8(1):65-76, 7/2008. PMID: PMC2929667.
 202. Aghi M, Visted T, DePinho RA, Chiocca EA. Oncolytic herpes virus with defective ICP6 specifically replicates in quiescent cells with homozygous genetic mutations in p16. *Oncogene* 27(30):4249-54, 7/2008. e-Pub 3/2008. PMID: 18345032.
 203. Stegh AH, Kesari S, Mahoney JE, Jenq HT, Forloney KL, Protopopov A, Louis DN, Chin L, DePinho RA. Bcl2L12-mediated inhibition of effector caspase-3 and caspase-7 via distinct mechanisms in glioblastoma. *Proc Natl Acad Sci U S A* 105(31):10703-8, 8/2008. e-Pub 7/2008. PMID: PMC2504776.
 204. Jeon HM, Jin X, Lee JS, Oh SY, Sohn YW, Park HJ, Joo KM, Park WY, Nam DH, DePinho RA, Chin L, Kim H. Inhibitor of differentiation 4 drives brain tumor-initiating cell genesis through cyclin E and notch signaling. *Genes Dev* 22(15):2028-33, 8/2008. PMID: PMC2492750.

205. Hu P, Geles KG, Paik JH, DePinho RA, Tjian R. Codependent activators direct myoblast-specific MyoD transcription. *Dev Cell* 15(4):534-46, 10/2008. PMID: PMC2614327.
206. Zheng H, Ying H, Yan H, Kimmelman AC, Hiller DJ, Chen AJ, Perry SR, Tonon G, Chu GC, Ding Z, Stommel JM, Dunn KL, Wiedemeyer R, You MJ, Brennan C, Wang YA, Ligon KL, Wong WH, Chin L, DePinho RA. p53 and Pten control neural and glioma stem/progenitor cell renewal and differentiation. *Nature* 455(7216):1129-33, 10/2008. PMID: 18948956.
207. Senokuchi T, Liang CP, Seimon TA, Han S, Matsumoto M, Banks AS, Paik JH, DePinho RA, Accili D, Tabas I, Tall AR. Forkhead transcription factors (FoxOs) promote apoptosis of insulin-resistant macrophages during cholesterol-induced endoplasmic reticulum stress. *Diabetes* 57(11):2967-76, 11/2008. e-Pub 8/2008. PMID: PMC2570393.
208. Dengler HS, Baracho GV, Omori SA, Bruckner S, Arden KC, Castrillon DH, DePinho RA, Rickert RC. Distinct functions for the transcription factor Foxo1 at various stages of B cell differentiation. *Nat Immunol* 9(12):1388-98, 12/2008. e-Pub 11/2008. PMID: PMC2679692.
209. Kimmelman AC, Hezel AF, Aguirre AJ, Zheng H, Paik JH, Ying H, Chu GC, Zhang JX, Sahin E, Yeo G, Ponugoti A, Nabioullin R, Deroo S, Yang S, Wang X, McGrath JP, Protopopova M, Ivanova E, Zhang J, Feng B, Tsao MS, Redston M, Protopopov A, Xiao Y, Futreal PA, Hahn WC, Klimstra DS, Chin L, DePinho RA. Genomic alterations link Rho family of GTPases to the highly invasive phenotype of pancreas cancer. *Proc Natl Acad Sci U S A* 105(49):19372-7, 12/2008. e-Pub 12/2008. PMID: PMC2614768.
210. Gan B, Sahin E, Jiang S, Sanchez-Aguilera A, Scott KL, Chin L, Williams DA, Kwiatkowski DJ, DePinho RA. mTORC1-dependent and -independent regulation of stem cell renewal, differentiation, and mobilization. *Proc Natl Acad Sci U S A* 105(49):19384-9, 12/2008. e-Pub 12/2008. PMID: PMC2593615.
211. Zhang Q, Menon R, Deutsch EW, Pitteri SJ, Faca VM, Wang H, Newcomb LF, DePinho RA, Bardeesy N, Dinulescu D, Hung KE, Kucherlapati R, Jacks T, Politi K, Aebersold R, Omenn GS, States DJ, Hanash SM. A mouse plasma peptide atlas as a resource for disease proteomics. *Genome Biol* 9(6):R93, 2008. e-Pub 6/2008. PMID: PMC2481425.
212. Polter A, Yang S, Zmijewska AA, van Groen T, Paik JH, DePinho RA, Peng SL, Jope RS, Li X. Forkhead box, class O transcription factors in brain: regulation and behavioral manifestation. *Biol Psychiatry* 65(2):150-9, 1/2009. e-Pub 9/2008. PMID: PMC2630515.
213. Menon R, Zhang Q, Zhang Y, Fermin D, Bardeesy N, DePinho RA, Lu C, Hanash SM, Omenn GS, States DJ. Identification of novel alternative splice isoforms of circulating proteins in a mouse model of human pancreatic cancer. *Cancer Res* 69(1):300-9, 1/2009. PMID: PMC2613545.
214. Kerdiles YM, Beisner DR, Tinoco R, Dejean AS, Castrillon DH, DePinho RA, Hedrick SM. Foxo1 links homing and survival of naive T cells by regulating L-selectin, CCR7 and interleukin 7 receptor. *Nat Immunol* 10(2):176-84, 2/2009. e-Pub 1/2009. PMID: PMC2856471.
215. Wu M, Jung L, Cooper AB, Fleet C, Chen L, Breault L, Clark K, Cai Z, Vincent S, Bottega S, Shen Q, Richardson A, Bosenburg M, Naber SP, DePinho RA, Kuperwasser C, Robinson MO. Dissecting genetic requirements of human breast tumorigenesis in a tissue transgenic model of human breast cancer in mice. *Proc Natl Acad Sci U S A* 106(17):7022-7, 4/2009. e-Pub 4/2009. PMID: PMC2669443.
216. Dankort D, Curley DP, Cartlidge RA, Nelson B, Karnezis AN, Damsky WE, You MJ, DePinho RA, McMahon M, Bosenberg M. Braf(V600E) cooperates with Pten loss to induce metastatic melanoma. *Nat Genet* 41(5):544-52, 5/2009. e-Pub 3/2009. PMID: PMC2705918.
217. Guan JS, Haggarty SJ, Giacometti E, Dannenberg JH, Joseph N, Gao J, Nieland TJ, Zhou Y, Wang X, Mazitschek R, Bradner JE, DePinho RA, Jaenisch R, Tsai LH. HDAC2 negatively regulates memory formation and synaptic plasticity. *Nature* 459(7243):55-60, 5/2009. PMID: 19424149.
218. van Haften G, Dalgliesh GL, Davies H, Chen L, Bignell G, Greenman C, Edkins S, Hardy C, O'Meara S, Teague J, Butler A, Hinton J, Latimer C, Andrews J, Barthorpe S, Beare D, Buck G, Campbell PJ, Cole J, Forbes S, Jia M, Jones D, Kok CY, Leroy C, Lin ML, McBride DJ, Maddison M, Maquire S, McLay K, Menzies A, Mironenko T, Mulderrig L, Mudie L, Pleasance E, Shepherd R, Smith R, Stebbings L, Stephens P, Tang G, Tarpey PS, Turner R, Turrell K, Varian J, West S, Widaa S, Wray P, Collins VP, Ichimura K, Law S, Wong J, Yuen ST, Leung

- SY, Tonon G, DePinho RA, Tai YT, Anderson KC, Kahnoski RJ, Massie A, Khoo SK, Teh BT, Stratton MR, Futreal PA. Somatic mutations of the histone H3K27 demethylase gene UTX in human cancer. *Nat Genet* 41(5):521-3, 5/2009. e-Pub 3/2009. PMID: PMC2873835.
219. Dejean AS, Beisner DR, Chen IL, Kerdiles YM, Babour A, Arden KC, Castrillon DH, DePinho RA, Hedrick SM. Transcription factor Foxo3 controls the magnitude of T cell immune responses by modulating the function of dendritic cells. *Nat Immunol* 10(5):504-13, 5/2009. e-Pub 4/2009. PMID: PMC2712214.
220. Maher EA, Mietz J, Arteaga CL, DePinho RA, Mohla S. Brain metastasis: opportunities in basic and translational research. *Cancer Res* 69(15):6015-20, 8/2009. e-Pub 7/2009. PMID: 19638593.
221. Kitamura T, Kitamura YI, Kobayashi M, Kikuchi O, Sasaki T, DePinho RA, Accili D. Regulation of pancreatic juxtaductal endocrine cell formation by FoxO1. *Mol Cell Biol* 29(16):4417-30, 8/2009. e-Pub 6/2009. PMID: PMC2725741.
222. Tanaka J, Qiang L, Banks AS, Welch CL, Matsumoto M, Kitamura T, Ido-Kitamura Y, DePinho RA, Accili D. Foxo1 links hyperglycemia to LDL oxidation and endothelial nitric oxide synthase dysfunction in vascular endothelial cells. *Diabetes* 58(10):2344-54, 10/2009. e-Pub 7/2009. PMID: PMC2750207.
223. Zhou W, Cao Q, Peng Y, Zhang QJ, Castrillon DH, DePinho RA, Liu ZP. FoxO4 inhibits NF-kappaB and protects mice against colonic injury and inflammation. *Gastroenterology* 137(4):1403-14, 10/2009. e-Pub 6/2009. PMID: PMC2764529.
224. Srinivasan L, Sasaki Y, Calado DP, Zhang B, Paik JH, DePinho RA, Kutok JL, Kearney JF, Otipoby KL, Rajewsky K. PI3 kinase signals BCR-dependent mature B cell survival. *Cell* 139(3):573-86, 10/2009. PMID: PMC2787092.
225. Plum L, Lin HV, Dutia R, Tanaka J, Aizawa KS, Matsumoto M, Kim AJ, Cawley NX, Paik JH, Loh YP, DePinho RA, Wardlaw SL, Accili D. The obesity susceptibility gene Cpe links FoxO1 signaling in hypothalamic pro-opiomelanocortin neurons with regulation of food intake. *Nat Med* 15(10):1195-201, 10/2009. e-Pub 9/2009. PMID: PMC2777744.
226. Gidekel Friedlander SY, Chu GC, Snyder EL, Girnius N, Dibelius G, Crowley D, Vasile E, DePinho RA, Jacks T. Context-dependent transformation of adult pancreatic cells by oncogenic K-Ras. *Cancer Cell* 16(5):379-89, 11/2009. PMID: PMC3048064.
227. Cheng Z, Guo S, Copps K, Dong X, Kollipara R, Rodgers JT, DePinho RA, Puigserver P, White MF. Foxo1 integrates insulin signaling with mitochondrial function in the liver. *Nat Med* 15(11):1307-11, 11/2009. e-Pub 10/2009. PMID: 19838201.
228. Paik JH, Ding Z, Narurkar R, Ramkissoon S, Muller F, Kamoun WS, Chae SS, Zheng H, Ying H, Mahoney J, Hiller D, Jiang S, Protopopov A, Wong WH, Chin L, Ligon KL, DePinho RA. FoxOs cooperatively regulate diverse pathways governing neural stem cell homeostasis. *Cell Stem Cell* 5(5):540-53, 11/2009. PMID: 19896444.
229. Zhou Y, Rideout WM, Zi T, Bressel A, Reddyalli S, Rancourt R, Woo JK, Horner JW, Chin L, Chiu MI, Bosenberg M, Jacks T, Clark SC, DePinho RA, Robinson MO, Heyer J. Chimeric mouse tumor models reveal differences in pathway activation between ERBB family- and KRAS-dependent lung adenocarcinomas. *Nat Biotechnol* 28(1):71-8, 1/2010. e-Pub 12/2009. PMID: 20023657.
230. Rached MT, Kode A, Silva BC, Jung DY, Gray S, Ong H, Paik JH, DePinho RA, Kim JK, Karsenty G, Kousteni S. FoxO1 expression in osteoblasts regulates glucose homeostasis through regulation of osteocalcin in mice. *J Clin Invest* 120(1):357-68, 1/2010. e-Pub 12/2009. PMID: PMC2798687.
231. Artandi SE, DePinho RA. Telomeres and telomerase in cancer. *Carcinogenesis* 31(1):9-18, 1/2010. e-Pub 11/2009. PMID: PMC3003493.
232. Rached MT, Kode A, Xu L, Yoshikawa Y, Paik JH, DePinho RA, Kousteni S. FoxO1 is a positive regulator of bone formation by favoring protein synthesis and resistance to oxidative stress in osteoblasts. *Cell Metab* 11(2):147-60, 2/2010. PMID: PMC2820405.
233. Ambrogini E, Almeida M, Martin-Millan M, Paik JH, DePinho RA, Han L, Goellner J, Weinstein RS, Jilka RL, O'Brien CA, Manolagas SC. FoxO-mediated defense against oxidative stress in osteoblasts is indispensable for skeletal homeostasis in mice. *Cell Metab* 11(2):136-46, 2/2010. PMID: PMC2819984.

234. Blagosklonny MV, Campisi J, Sinclair DA, Bartke A, Blasco MA, Bonner WM, Bohr VA, Brosh RM, Brunet A, DePinho RA, Donehower LA, Finch CE, Finkel T, Gorospe M, Gudkov AV, Hall MN, Hekimi S, Helfand SL, Karlseder J, Kenyon C, Kroemer G, Longo V, Nussenzweig A, Osiewacz HD, Peeper DS, Rando TA, Rudolph KL, Sassone-Corsi P, Serrano M, Sharpless NE, Skulachev VP, Tilly JL, Tower J, Verdin E, Vijg J. Impact papers on aging in 2009. *Aging (Albany NY)* 2(3):111-21, 3/2010. e-Pub 3/2010. PMID: PMC2871240.
235. Sahin E, DePinho RA. Linking functional decline of telomeres, mitochondria and stem cells during ageing. *Nature* 464(7288):520-8, 3/2010. PMID: 20336134.
236. International Cancer Genome Consortium, Hudson TJ, Anderson W, Artez A, Barker AD, Bell C, Bernabé RR, Bhan MK, Calvo F, Eerola I, Gerhard DS, Guttmacher A, Guyer M, Hemsley FM, Jennings JL, Kerr D, Klatt P, Kolar P, Kusada J, Lane DP, Laplace F, Youyong L, Nettekoven G, Ozenberger B, Peterson J, Rao TS, Rémacle J, Schafer AJ, Shibata T, Stratton MR, Vockley JG, Watanabe K, Yang H, Yuen MM, Knoppers BM, Bobrow M, Cambon-Thomsen A, Dressler LG, Dyke SO, Joly Y, Kato K, Kennedy KL, Nicolás P, Parker MJ, Rial-Sebbag E, Romeo-Casabona CM, Shaw KM, Wallace S, Wiesner GL, Zeps N, Lichter P, Biankin AV, Chabannon C, Chin L, Clément B, de Alava E, Degos F, Ferguson ML, Geary P, Hayes DN, Hudson TJ, Johns AL, Kasprzyk A, Nakagawa H, Penny R, Piris MA, Sarin R, Scarpa A, Shibata T, van de Vijver M, Futreal PA, Aburatani H, Bayés M, Botwell DD, Campbell PJ, Estivill X, Gerhard DS, Grimmond SM, Gut I, Hirst M, López-Otín C, Majumder P, Marra M, McPherson JD, Nakagawa H, Ning Z, Puente XS, Ruan Y, Shibata T, Stratton MR, Stunnenberg HG, Swerdlow H, Velculescu VE, Wilson RK, Xue HH, Yang L, Spellman PT, Bader GD, Boutros PC, Campbell PJ, Flicek P, Getz G, Guigó R, Guo G, Haussler D, Heath S, Hubbard TJ, Jiang T, Jones SM, Li Q, López-Bigas N, Luo R, Muthuswamy L, Ouellette BF, Pearson JV, Puente XS, Quesada V, Raphael BJ, Sander C, Shibata T, Speed TP, Stein LD, Stuart JM, Teague JW, Totoki Y, Tsunoda T, Valencia A, Wheeler DA, Wu H, Zhao S, Zhou G, Stein LD, Guigó R, Hubbard TJ, Joly Y, Jones SM, Kasprzyk A, Lathrop M, López-Bigas N, Ouellette BF, Spellman PT, Teague JW, Thomas G, Valencia A, Yoshida T, Kennedy KL, Axton M, Dyke SO, Futreal PA, Gerhard DS, Gunter C, Guyer M, Hudson TJ, McPherson JD, Miller LJ, Ozenberger B, Shaw KM, Kasprzyk A, Stein LD, Zhang J, Haider SA, Wang J, Yung CK, Cross A, Liang Y, Gnaneshan S, Guberman J, Hsu J, Bobrow M, Chalmers DR, Hasel KW, Joly Y, Kaan TS, Kennedy KL, Knoppers BM, Lowrance WW, Masui T, Nicolás P, Rial-Sebbag E, Rodriguez LL, Verg. International network of cancer genome projects. *Nature* 464(7291):993-8, 4/2010. PMID: PMC2902243.
237. Ying H, Zheng H, Scott K, Wiedemeyer R, Yan H, Lim C, Huang J, Dhakal S, Ivanova E, Xiao Y, Zhang H, Hu J, Stommel JM, Lee MA, Chen AJ, Paik JH, Segatto O, Brennan C, Elferink LA, Wang YA, Chin L, DePinho RA. Mig-6 controls EGFR trafficking and suppresses gliomagenesis. *Proc Natl Acad Sci U S A* 107(15):6912-7, 4/2010. e-Pub 3/2010. PMID: PMC2872443.
238. Zheng H, Ying H, Wiedemeyer R, Yan H, Quayle SN, Ivanova EV, Paik JH, Zhang H, Xiao Y, Perry SR, Hu J, Vinjamoori A, Gan B, Sahin E, Chheda MG, Brennan C, Wang YA, Hahn WC, Chin L, DePinho RA. PLAGL2 regulates Wnt signaling to impede differentiation in neural stem cells and gliomas. *Cancer Cell* 17(5):497-509, 5/2010. PMID: PMC2900858.
239. Ouyang W, Beckett O, Ma Q, Paik JH, DePinho RA, Li MO. Foxo proteins cooperatively control the differentiation of Foxp3+ regulatory T cells. *Nat Immunol* 11(7):618-27, 7/2010. e-Pub 5/2010. PMID: 20467422.
240. Ferron M, Wei J, Yoshizawa T, Del Fattore A, DePinho RA, Teti A, Ducy P, Karsenty G. Insulin signaling in osteoblasts integrates bone remodeling and energy metabolism. *Cell* 142(2):296-308, 7/2010. PMID: PMC2910411.
241. Harada Y, Harada Y, Elly C, Ying G, Paik JH, DePinho RA, Liu YC. Transcription factors Foxo3a and Foxo1 couple the E3 ligase Cbl-b to the induction of Foxp3 expression in induced regulatory T cells. *J Exp Med* 207(7):1381-91, 7/2010. e-Pub 5/2010. PMID: PMC2901074.
242. Wilting RH, Yanover E, Heideman MR, Jacobs H, Horner J, van der Torre J, DePinho RA, Dannenberg JH. Overlapping functions of Hdac1 and Hdac2 in cell cycle regulation and haematopoiesis. *EMBO J* 29(15):2586-97, 8/2010. e-Pub 6/2010. PMID: PMC2928690.

243. Payne CJ, Gallagher SJ, Foreman O, Dannenberg JH, DePinho RA, Braun RE. Sin3a is required by sertoli cells to establish a niche for undifferentiated spermatogonia, germ cell tumors, and spermatid elongation. *Stem Cells* 28(8):1424-34, 8/2010. PMID: 20572009.
244. Inda MM, Bonavia R, Mukasa A, Narita Y, Sah DW, Vandenberg S, Brennan C, Johns TG, Bachoo R, Hadwiger P, Tan P, DePinho RA, Cavenee W, Furnari F. Tumor heterogeneity is an active process maintained by a mutant EGFR-induced cytokine circuit in glioblastoma. *Genes Dev* 24(16):1731-45, 8/2010. PMCID: PMC2922502.
245. Cancer Target Discovery and Development Network, Schreiber SL, Shamji AF, Clemons PA, Hon C, Koehler AN, Munoz B, Palmer M, Stern AM, Wagner BK, Powers S, Lowe SW, Guo X, Krasnitz A, Sawey ET, Sordella R, Stein L, Trotman LC, Califano A, Dalla-Favera R, Ferrando A, Iavarone A, Pasqualucci L, Silva J, Stockwell BR, Hahn WC, Chin L, DePinho RA, Boehm JS, Gopal S, Huang A, Root DE, Weir BA, Gerhard DS, Zenklusen JC, Roth MG, White MA, Minna JD, MacMillan JB, Posner BA. Towards patient-based cancer therapeutics. *Nat Biotechnol* 28(9):904-6, 9/2010. PMCID: PMC2939009.
246. Stegh AH, Brennan C, Mahoney JA, Forloney KL, Jenq HT, Luciano JP, Protopopov A, Chin L, DePinho RA. Glioma oncoprotein Bcl2L12 inhibits the p53 tumor suppressor. *Genes Dev* 24(19):2194-204, 10/2010. e-Pub 9/2010. PMCID: PMC2947771.
247. Monahan KB, Rozenberg GI, Krishnamurthy J, Johnson SM, Liu W, Bradford MK, Horner J, DePinho RA, Sharpless NE. Somatic p16(INK4a) loss accelerates melanomagenesis. *Oncogene* 29(43):5809-17, 10/2010. e-Pub 8/2010. PMCID: PMC3007178.
248. Gan B, Lim C, Chu G, Hua S, Ding Z, Collins M, Hu J, Jiang S, Fletcher-Sananikone E, Zhuang L, Chang M, Zheng H, Wang YA, Kwiatkowski DJ, Kaelin WG, Signoretti S, DePinho RA. FoxOs enforce a progression checkpoint to constrain mTORC1-activated renal tumorigenesis. *Cancer Cell* 18(5):472-84, 11/2010. PMCID: PMC3023886.
249. Dentice M, Marsili A, Ambrosio R, Guardiola O, Sibilio A, Paik JH, Minchiotti G, DePinho RA, Fenzi G, Larsen PR, Salvatore D. The FoxO3/type 2 deiodinase pathway is required for normal mouse myogenesis and muscle regeneration. *J Clin Invest* 120(11):4021-30, 11/2010. e-Pub 10/2010. PMCID: PMC2964991.
250. Hariharan N, Maejima Y, Nakae J, Paik J, Depinho RA, Sadoshima J. Deacetylation of FoxO by Sirt1 Plays an Essential Role in Mediating Starvation-Induced Autophagy in Cardiac Myocytes. *Circ Res* 107(12):1470-82, 12/2010. e-Pub 10/2010. PMCID: PMC3011986.
251. Gan B, Hu J, Jiang S, Liu Y, Sahin E, Zhuang L, Fletcher-Sananikone E, Colla S, Wang YA, Chin L, Depinho RA. Lkb1 regulates quiescence and metabolic homeostasis of haematopoietic stem cells. *Nature* 468(7324):701-4, 12/2010. PMCID: PMC3058342.
252. Nitta M, Kozono D, Kennedy R, Stommel J, Ng K, Zinn PO, Kushwaha D, Kesari S, Inda MD, Wykosky J, Furnari F, Hoadley KA, Chin L, DePinho RA, Cavenee WK, D'Andrea A, Chen CC. Targeting EGFR induced oxidative stress by PARP1 inhibition in glioblastoma therapy. *PLoS One* 5(5):e10767, 2010. e-Pub 5/2010. PMCID: PMC2879424.
253. Stegh AH, DePinho RA. Beyond effector caspase inhibition: Bcl2L12 neutralizes p53 signaling in glioblastoma. *Cell Cycle* 10(1):33-8, 1/2011. e-Pub 1/2011. PMCID: PMC3048071.
254. Jaskelioff M, Muller FL, Paik JH, Thomas E, Jiang S, Adams AC, Sahin E, Kost-Alimova M, Protopopov A, Cadiñanos J, Horner JW, Maratos-Flier E, Depinho RA. Telomerase reactivation reverses tissue degeneration in aged telomerase-deficient mice. *Nature* 469(7328):102-6, 1/2011. e-Pub 11/2010. PMCID: PMC3057569.
255. Pellegrini M, Calzascia T, Toe JG, Preston SP, Lin AE, Elford AR, Shahinian A, Lang PA, Lang KS, Morre M, Assouline B, Lahl K, Sparwasser T, Tedder TF, Paik JH, DePinho RA, Basta S, Ohashi PS, Mak TW. IL-7 engages multiple mechanisms to overcome chronic viral infection and limit organ pathology. *Cell* 144(4):601-13, 2/2011. e-Pub 2/2011. PMID: 21295337.
256. Ding Z, Wu CJ, Chu GC, Xiao Y, Ho D, Zhang J, Perry SR, Labrot ES, Wu X, Lis R, Hoshida Y, Hiller D, Hu B, Jiang S, Zheng H, Stegh AH, Scott KL, Signoretti S, Bardeesy N, Wang YA, Hill DE, Golub TR, Stampfer MJ, Wong WH, Loda M, Mucci L, Chin L, DePinho RA. SMAD4-dependent barrier constrains prostate cancer growth and metastatic progression. *Nature* 470(7333):269-73, 2/2011. e-Pub 2/2011. PMCID: PMC3753179.

257. Sahin E, Colla S, Liesa M, Moslehi J, Müller FL, Guo M, Cooper M, Kotton D, Fabian AJ, Walkey C, Maser RS, Tonon G, Foerster F, Xiong R, Wang YA, Shukla SA, Jaskelioff M, Martin ES, Heffernan TP, Protopopov A, Ivanova E, Mahoney JE, Kost-Alimova M, Perry SR, Bronson R, Liao R, Mulligan R, Shirihai OS, Chin L, DePinho RA. Telomere dysfunction induces metabolic and mitochondrial compromise. *Nature* 470(7334):359-65, 2/2011. e-Pub 2/2011. PMID: PMC3741661.
258. Jia W, Wang S, Horner JW, Wang N, Wang H, Gunther EJ, DePinho RA, Zhu J. A BAC transgenic reporter recapitulates in vivo regulation of human telomerase reverse transcriptase in development and tumorigenesis. *FASEB J* 25(3):979-89, 3/2011. e-Pub 12/2010. PMID: PMC3042838.
259. Sengupta A, Molkentin JD, Paik JH, DePinho RA, Yutzey KE. FoxO transcription factors promote cardiomyocyte survival upon induction of oxidative stress. *J Biol Chem* 286(9):7468-78, 3/2011. e-Pub 12/2010. PMID: PMC3045002.
260. Inuzuka H, Shaik S, Onoyama I, Gao D, Tseng A, Maser RS, Zhai B, Wan L, Gutierrez A, Lau AW, Xiao Y, Christie AL, Aster J, Settleman J, Gygi SP, Kung AL, Look T, Nakayama KI, DePinho RA, Wei W. SCF(FBW7) regulates cellular apoptosis by targeting MCL1 for ubiquitylation and destruction. *Nature* 471(7336):104-9, 3/2011. PMID: PMC3076007.
261. Tao R, Wei D, Gao H, Liu Y, DePinho RA, Dong XC. Hepatic FoxOs regulate lipid metabolism via modulation of expression of the nicotinamide phosphoribosyltransferase gene. *J Biol Chem* 286(16):14681-90, 4/2011. e-Pub 3/2011. PMID: PMC3077665.
262. Scott KL, Nogueira C, Heffernan TP, van Doorn R, Dhakal S, Hanna JA, Min C, Jaskelioff M, Xiao Y, Wu CJ, Cameron LA, Perry SR, Zeid R, Feinberg T, Kim M, Vande Woude G, Granter SR, Bosenberg M, Chu GC, DePinho RA, Rimm DL, Chin L. Proinvasion metastasis drivers in early-stage melanoma are oncogenes. *Cancer Cell* 20(1):92-103, 7/2011. PMID: PMC3176328.
263. Ying H, Elpek KG, Vinjamoori A, Zimmerman SM, Chu GC, Yan H, Fletcher-Sananikone E, Zhang H, Liu Y, Wang W, Ren X, Zheng H, Kimmelman AC, Paik JH, Lim C, Perry SR, Jiang S, Malinn B, Protopopov A, Colla S, Xiao Y, Hezel AF, Bardeesy N, Turley SJ, Wang YA, Chin L, Thayer SP, DePinho RA. Pten is a major tumor suppressor in pancreatic ductal adenocarcinoma and regulates an NF- κ B-cytokine network. *Cancer Discov* 1(2):158-169, 7/2011. e-Pub 5/2011. PMID: PMC3186945.
264. Comejo MG, Mabialah V, Sykes SM, Khandan T, Lo Celso C, Lopez CK, Rivera-Muñoz P, Rameau P, Tothova Z, Aster JC, DePinho RA, Scadden DT, Gilliland DG, Mercher T. Crosstalk between NOTCH and AKT signaling during murine megakaryocyte lineage specification. *Blood* 118(5):1264-73, 8/2011. e-Pub 6/2011. PMID: PMC3152494.
265. Sykes SM, Lane SW, Bullinger L, Kalaitzidis D, Yusuf R, Saez B, Ferraro F, Mercier F, Singh H, Brumme KM, Acharya SS, Scholl C, Schöll C, Tothova Z, Attar EC, Fröhling S, DePinho RA, Armstrong SA, Gilliland DG, Scadden DT. AKT/FOXO Signaling Enforces Reversible Differentiation Blockade in Myeloid Leukemias. *Cell* 146(5):697-708, 9/2011. PMID: PMC3826540.
266. Taguchi A, Politi K, Pitteri SJ, Lockwood WW, Faça VM, Kelly-Spratt K, Wong CH, Zhang Q, Chin A, Park KS, Goodman G, Gazdar AF, Sage J, Dinulescu DM, Kucherlapati R, DePinho RA, Kemp CJ, Varmus HE, Hanash SM. Lung cancer signatures in plasma based on proteome profiling of mouse tumor models. *Cancer Cell* 20(3):289-99, 9/2011. PMID: PMC3406925.
267. Bass AJ, Lawrence MS, Brace LE, Ramos AH, Drier Y, Cibulskis K, Sougnez C, Voet D, Saksena G, Sivachenko A, Jing R, Parkin M, Pugh T, Verhaak RG, Stransky N, Boutin AT, Barretina J, Solit DB, Vakiani E, Shao W, Mishina Y, Warmuth M, Jimenez J, Chiang DY, Signoretti S, Kaelin WG, Spardy N, Hahn WC, Hoshida Y, Ogino S, DePinho RA, Chin L, Garraway LA, Fuchs CS, Baselga J, Tabernero J, Gabriel S, Lander ES, Getz G, Meyerson M. Genomic sequencing of colorectal adenocarcinomas identifies a recurrent VT11A-TCF7L2 fusion. *Nat Genet* 43(10):964-8, 10/2011. e-Pub 9/2011. PMID: PMC3802528.
268. Martin NE, Mucci LA, Loda M, DePinho RA. Prognostic determinants in prostate cancer. *Cancer J* 17(6):429-37, Nov-Dec, 11/2011. PMID: PMC3240856.
269. Hu J, Hwang SS, Liesa M, Gan B, Sahin E, Jaskelioff M, Ding Z, Ying H, Boutin AT, Zhang H, Johnson S, Ivanova E, Kost-Alimova M, Protopopov A, Wang YA, Shirihai OS, Chin L,

- DePinho RA. Antitelomerase Therapy Provokes ALT and Mitochondrial Adaptive Mechanisms in Cancer. *Cell* 148(4):651-63, 2/2012. PMID: PMC3286017.
270. Zhang K, Li L, Qi Y, Zhu X, Gan B, DePinho RA, Averitt T, Guo S. Hepatic suppression of Foxo1 and Foxo3 causes hypoglycemia and hyperlipidemia in mice. *Endocrinology* 153(2):631-46, 2/2012. e-Pub 12/2011. PMID: 22147007.
271. Tsuchiya K, Tanaka J, Shuiqing Y, Welch CL, DePinho RA, Tabas I, Tall AR, Goldberg IJ, Accili D. FoxOs integrate pleiotropic actions of insulin in vascular endothelium to protect mice from atherosclerosis. *Cell Metab* 15(3):372-81, 3/2012. PMID: PMC3315846.
272. Ding Z, Wu CJ, Jaskelioff M, Ivanova E, Kost-Alimova M, Protopopov A, Chu GC, Wang G, Lu X, Labrot ES, Hu J, Wang W, Xiao Y, Zhang H, Zhang J, Zhang J, Gan B, Perry SR, Jiang S, Li L, Homer JW, Wang YA, Chin L, DePinho RA. Telomerase Reactivation following Telomere Dysfunction Yields Murine Prostate Tumors with Bone Metastases. *Cell* 148(5):896-907, 3/2012. e-Pub 2/2012. PMID: PMC3629723.
273. Dunn GP, Rinne ML, Wykosky J, Genovese G, Quayle SN, Dunn IF, Agarwalla PK, Chheda MG, Campos B, Wang A, Brennan C, Ligon KL, Furnari F, Cavenee WK, DePinho RA, Chin L, Hahn WC. Emerging insights into the molecular and cellular basis of glioblastoma. *Genes Dev* 26(8):756-84, 4/2012. PMID: PMC3337451.
274. Talchai C, Xuan S, Kitamura T, DePinho RA, Accili D. Generation of functional insulin-producing cells in the gut by Foxo1 ablation. *Nat Genet* 44(4):406-12, S1, 4/2012. e-Pub 3/2012. PMID: PMC3315609.
275. Ying H, Kimmelman AC, Lyssiotis CA, Hua S, Chu GC, Fletcher-Sananikone E, Locasale JW, Son J, Zhang H, Coloff JL, Yan H, Wang W, Chen S, Viale A, Zheng H, Paik JH, Lim C, Guimaraes AR, Martin ES, Chang J, Hezel AF, Perry SR, Hu J, Gan B, Xiao Y, Asara JM, Weissleder R, Wang YA, Chin L, Cantley LC, DePinho RA. Oncogenic Kras maintains pancreatic tumors through regulation of anabolic glucose metabolism. *Cell* 149(3):656-70, 4/2012. PMID: PMC3472002.
276. Moslehi J, DePinho RA, Sahin E. Telomeres and mitochondria in the aging heart. *Circ Res* 110(9):1226-37, 4/2012. PMID: PMC3718635.
277. Sadagurski M, Leshan RL, Patterson C, Rozzo A, Kuznetsova A, Skorupski J, Jones JC, DePinho RA, Myers MG, White MF. IRS2 signaling in LepR-b neurons suppresses FoxO1 to control energy balance independently of leptin action. *Cell Metab* 15(5):703-12, 5/2012. PMID: PMC3361909.
278. Sahin E, DePinho RA. Axis of ageing: telomeres, p53 and mitochondria. *Nat Rev Mol Cell Biol* 13(6):397-404, 6/2012. e-Pub 5/2012. PMID: PMC3718675.
279. Kim KW, Donato J, Berglund ED, Choi YH, Kohno D, Elias CF, DePinho RA, Elmquist JK. FOXO1 in the ventromedial hypothalamus regulates energy balance. *J Clin Invest* 122(7):2578-89, 7/2012. e-Pub 6/2012. PMID: PMC3386826.
280. Chen AJ, Paik JH, Zhang H, Shukla SA, Mortensen R, Hu J, Ying H, Hu B, Hurt J, Famy N, Dong C, Xiao Y, Wang YA, Silver PA, Chin L, Vasudevan S, DePinho RA. STAR RNA-binding protein Quaking suppresses cancer via stabilization of specific miRNA. *Genes Dev* 26(13):1459-72, 7/2012. PMID: PMC3403014.
281. Muller FL, Colla S, Aquilanti E, Manzo VE, Genovese G, Lee J, Eisenson D, Narurkar R, Deng P, Nezi L, Lee MA, Hu B, Hu J, Sahin E, Ong D, Fletcher-Sananikone E, Ho D, Kwong L, Brennan C, Wang YA, Chin L, DePinho RA. Passenger deletions generate therapeutic vulnerabilities in cancer. *Nature* 488(7411):337-42, 8/2012. PMID: PMC3712624.
282. Fenton TR, Nathanson D, Ponte de Albuquerque C, Kuga D, Iwanami A, Dang J, Yang H, Tanaka K, Oba-Shinjo SM, Uno M, Inda MM, Wykosky J, Bachoo RM, James CD, DePinho RA, Vandenberg SR, Zhou H, Marie SK, Mischel PS, Cavenee WK, Furnari FB. Resistance to EGF receptor inhibitors in glioblastoma mediated by phosphorylation of the PTEN tumor suppressor at tyrosine 240. *Proc Natl Acad Sci U S A* 109(35):14164-9, 8/2012. e-Pub 8/2012. PMID: PMC3435194.
283. Lu X, Agasti SS, Vinegoni C, Waterman P, DePinho RA, Weissleder R. Optochemogenetics (OCG) allows more precise control of genetic engineering in mice with CreER regulators. *Bioconjug Chem* 23(9):1945-51, 9/2012. e-Pub 8/2012. PMID: PMC3775343.

284. Kode A, Mosialou I, Silva BC, Rached MT, Zhou B, Wang J, Townes TM, Hen R, DePinho RA, Guo XE, Kousteni S. FOXO1 orchestrates the bone-suppressing function of gut-derived serotonin. *J Clin Invest* 122(10):3490-503, 10/2012. e-Pub 9/2012. PMID: PMC3461930.
285. Shi X, Wallis AM, Gerard RD, Voelker KA, Grange RW, DePinho RA, Garry MG, Garry DJ. Foxk1 promotes cell proliferation and represses myogenic differentiation by regulating Foxo4 and Mef2. *J Cell Sci* 125(Pt 22):5329-37, 11/2012. e-Pub 9/2012. PMID: PMC3561855.
286. Xiong X, Tao R, DePinho RA, Dong XC. The autophagy-related gene 14 (Atg14) is regulated by forkhead box O transcription factors and circadian rhythms and plays a critical role in hepatic autophagy and lipid metabolism. *J Biol Chem* 287(46):39107-14, 11/2012. e-Pub 9/2012. PMID: PMC3493951.
287. Poché RA, Sharma R, Garcia MD, Wada AM, Nolte MJ, Udan RS, Paik JH, DePinho RA, Bartlett JD, Dickinson ME. Transcription Factor FoxO1 Is Essential for Enamel Biomineralization. *PLoS One* 7(1):e30357, 2012. e-Pub 1/2012. PMID: PMC3265481.
288. Gallagher SJ, Kofman AE, Huszar JM, Dannenberg JH, DePinho RA, Braun RE, Payne CJ. Distinct requirements for Sin3a in perinatal male gonocytes and differentiating spermatogonia. *Dev Biol* 373(1):83-94, 1/2013. e-Pub 10/2012. PMID: PMC3508146.
289. Kopycinska J, Kempinska-Podhorodecka A, Haas T, Elias E, DePinho RA, Paik J, Milkiewicz P, Milkiewicz M. Activation of FoxO3a/Bim axis in patients with Primary Biliary Cirrhosis. *Liver Int* 33(2):231-8, 2/2013. PMID: 23295054.
290. Son J, Lyssiotis CA, Ying H, Wang X, Hua S, Ligorio M, Perera RM, Ferrone CR, Mullarky E, Shyh-Chang N, Kang Y, Fleming JB, Bardeesy N, Asara JM, Haigis MC, DePinho RA, Cantley LC, Kimmelman AC. Glutamine supports pancreatic cancer growth through a KRAS-regulated metabolic pathway. *Nature* 496(7443):101-5, 4/2013. e-Pub 3/2013. PMID: PMC3656466.
291. Keniry M, Pires MM, Mense S, Lefebvre C, Gan B, Justiano K, Lau YK, Hopkins B, Hodakoski C, Koujak S, Toole J, Fenton F, Calahan A, Califano A, DePinho RA, Maurer M, Parsons R. Survival factor NFIL3 restricts FOXO-induced gene expression in cancer. *Genes Dev* 27(8):916-27, 4/2013. PMID: PMC3650228.
292. Rosborough BR, Raich-Regué D, Matta BM, Lee K, Gan B, DePinho RA, Hackstein H, Boothby M, Turnquist HR, Thomson AW. Murine dendritic cell rapamycin-resistant and rictor-independent mTOR controls IL-10, B7-H1 and regulatory T cell induction. *Blood* 121(18):3619-30, 5/2013. e-Pub 2/2013. PMID: PMC3643762.
293. Kajimura D, Lee HW, Riley KJ, Arteaga-Solis E, Ferron M, Zhou B, Clarke CJ, Hannun YA, DePinho RA, Guo XE, Guo EX, Mann JJ, Karsenty G. Adiponectin regulates bone mass via opposite central and peripheral mechanisms through FoxO1. *Cell Metab* 17(6):901-15, 6/2013. e-Pub 5/2013. PMID: PMC3679303.
294. Keliher EJ, Reiner T, Earley S, Klubnick J, Tassa C, Lee AJ, Ramaswamy S, Bardeesy N, Hanahan D, DePinho RA, Castro CM, Weissleder R. Targeting cathepsin E in pancreatic cancer by a small molecule allows in vivo detection. *Neoplasia* 15(7):684-93, 7/2013. PMID: PMC3689232.
295. Zhang Y, Shin SJ, Liu D, Ivanova E, Foerster F, Ying H, Zheng H, Xiao Y, Chen Z, Protopopov A, DePinho RA, Paik JH. ZNF365 promotes stability of fragile sites and telomeres. *Cancer Discov* 3(7):798-811, 7/2013. e-Pub 6/2013. PMID: PMC3710545.
296. Mourkioti F, Kustan J, Kraft P, Day JW, Zhao MM, Kost-Alimova M, Protopopov A, DePinho RA, Bernstein D, Meeker AK, Blau HM. Role of telomere dysfunction in cardiac failure in Duchenne muscular dystrophy. *Nat Cell Biol* 15(8):895-904, 8/2013. e-Pub 7/2013. PMID: PMC3774175.
297. Hu J, Ho AL, Yuan L, Hu B, Hua S, Hwang SS, Zhang J, Hu T, Zheng H, Gan B, Wu G, Wang YA, Chin L, DePinho RA. From the Cover: Neutralization of terminal differentiation in gliomagenesis. *Proc Natl Acad Sci U S A* 110(36):14520-7, 9/2013. e-Pub 8/2013. PMID: PMC3767545.
298. Roudier E, Milkiewicz M, Birot O, Slopock D, Montelius A, Gustafsson T, Paik JH, DePinho RA, Casale GP, Pipinos II, Haas TL. Endothelial FoxO1 is an intrinsic regulator of thrombospondin 1 expression that restrains angiogenesis in ischemic muscle. *Angiogenesis* 16(4):759-72, 10/2013. e-Pub 5/2013. PMID: PMC3822003.

299. Tao R, Xiong X, DePinho RA, Deng CX, Dong XC. FoxO3 transcription factor and Sirt6 deacetylase regulate low density lipoprotein (LDL)-cholesterol homeostasis via control of the proprotein convertase subtilisin/kexin type 9 (Pcsk9) gene expression. *J Biol Chem* 288(41):29252-9, 10/2013. e-Pub 8/2013. PMID: PMC3795227.
300. Tao R, Xiong X, DePinho RA, Deng CX, Dong XC. Hepatic SREBP-2 and cholesterol biosynthesis are regulated by FoxO3 and Sirt6. *J Lipid Res* 54(10):2745-53, 10/2013. e-Pub 7/2013. PMID: PMC3770087.
301. Jun S, Lee S, Kim HC, Ng C, Schneider AM, Ji H, Ying H, Wang H, DePinho RA, Park JI. PAF-mediated MAPK signaling hyperactivation via LAMTOR3 induces pancreatic tumorigenesis. *Cell Rep* 5(2):314-22, 10/2013. PMID: PMC4157353.
302. Israelsen WJ, Dayton TL, Davidson SM, Fiske BP, Hosios AM, Bellinger G, Li J, Yu Y, Sasaki M, Homer JW, Burga LN, Xie J, Jurczak MJ, DePinho RA, Clish CB, Jacks T, Kibbey RG, Wulf GM, Di Vizio D, Mills GB, Cantley LC, Vander Heiden MG. PKM2 isoform-specific deletion reveals a differential requirement for pyruvate kinase in tumor cells. *Cell* 155(2):397-409, 10/2013. PMID: PMC3850755.
303. Hua Y, White-Gilbertson S, Kellner J, Rachidi S, Usmani SZ, Chiosis G, DePinho R, Li Z, Liu B. Molecular chaperone gp96 is a novel therapeutic target of multiple myeloma. *Clin Cancer Res* 19(22):6242-51, 11/2013. e-Pub 9/2013. PMID: PMC3851294.
304. Xiong X, Tao R, DePinho RA, Dong XC. Deletion of hepatic FoxO1/3/4 genes in mice significantly impacts on glucose metabolism through downregulation of gluconeogenesis and upregulation of glycolysis. *PLoS One* 8(8):e74340, 2013. e-Pub 8/2013. PMID: PMC3755981.
305. Tang H, Inoki K, Lee M, Wright E, Khuong A, Khuong A, Sugiarto S, Garner M, Paik J, DePinho RA, Goldman D, Guan KL, Shrager JB. mTORC1 Promotes Denervation-Induced Muscle Atrophy Through a Mechanism Involving the Activation of FoxO and E3 Ubiquitin Ligases. *Sci Signal* 7(314):ra18, 2/2014. e-Pub 2/2014. PMID: 24570486.
306. Stopczynski RE, Normolle DP, Hartman DJ, Ying H, DeBerry JJ, Bielefeldt K, Rhim AD, DePinho RA, Albers KM, Davis BM. Neuroplastic Changes Occur Early in the Development of Pancreatic Ductal Adenocarcinoma. *Cancer Res* 74(6):1718-27, 3/2014. e-Pub 1/2014. PMID: PMC4036226.
307. Chauhan VP, Boucher Y, Ferrone CR, Roberge S, Martin JD, Stylianopoulos T, Bardeesy N, DePinho RA, Padera TP, Munn LL, Jain RK. Compression of pancreatic tumor blood vessels by hyaluronan is caused by solid stress and not interstitial fluid pressure. *Cancer Cell* 26(1):14-5, 7/2014. PMID: PMC4381566.
308. Zheng X, Zhai B, Koivunen P, Shin SJ, Lu G, Liu J, Geisen C, Chakraborty AA, Moslehi JJ, Smalley DM, Wei X, Chen X, Chen Z, Beres JM, Zhang J, Tsao JL, Brenner MC, Zhang Y, Fan C, DePinho RA, Paik J, Gygi SP, Kaelin WG, Zhang Q. Prolyl hydroxylation by EglN2 destabilizes FOXO3a by blocking its interaction with the USP9x deubiquitinase. *Genes Dev* 28(13):1429-44, 7/2014. PMID: PMC4083087.
309. Kapoor A, Yao W, Ying H, Hua S, Liewen A, Wang Q, Zhong Y, Wu CJ, Sadanandam A, Hu B, Chang Q, Chu GC, Al-Khalil R, Jiang S, Xia H, Fletcher-Sananikone E, Lim C, Horwitz GI, Viale A, Pettazzoni P, Sanchez N, Wang H, Protopopov A, Zhang J, Heffernan T, Johnson RL, Chin L, Wang YA, Draetta G, DePinho RA. Yap1 activation enables bypass of oncogenic Kras addiction in pancreatic cancer. *Cell* 158(1):185-97, 7/2014. e-Pub 6/2014. PMID: PMC4109295.
310. Lee JH, Anver M, Kost-Alimova M, Protopopov A, DePinho RA, Rane SG. Telomere dysfunction suppresses multiple endocrine neoplasia in mice. *Genes Cancer* 5(9-10):306-19, 9/2014. PMID: PMC4209601.
311. Viale A, Pettazzoni P, Lyssiotis CA, Ying H, Sánchez N, Marchesini M, Carugo A, Green T, Seth S, Giuliani V, Kost-Alimova M, Muller F, Colla S, Nezi L, Genovese G, Deem AK, Kapoor A, Yao W, Brunetto E, Kang Y, Yuan M, Asara JM, Wang YA, Heffernan TP, Kimmelman AC, Wang H, Fleming JB, Cantley LC, DePinho RA, Draetta GF. Oncogene ablation-resistant pancreatic cancer cells depend on mitochondrial function. *Nature* 514(7524):628-32, 10/2014. e-Pub 8/2014. PMID: PMC4376130.
312. Ying H, DePinho RA. Cancer signaling: when phosphorylation meets methylation. *Cell Res* 24(11):1282-3, 11/2014. e-Pub 8/2014. PMID: PMC4220151.

313. Pettazzoni P, Viale A, Shah P, Carugo A, Ying H, Wang H, Genovese G, Seth S, Minelli R, Green T, Huang-Hobbs E, Corti D, Sanchez N, Nezi L, Marchesini M, Kapoor A, Yao W, Francesco ME, Petrocchi A, Deem AK, Scott K, Colla S, Mills GB, Fleming JB, Heffernan TP, Jones P, Toniatti C, DePinho RA, Draetta GF. Genetic Events That Limit the Efficacy of MEK and RTK Inhibitor Therapies in a Mouse Model of KRAS-Driven Pancreatic Cancer. *Cancer Res* 75(6):1091-101, 3/2015. e-Pub 3/2015. PMID: PMC4446709.
314. Colla S, Ong DS, Ogoti Y, Marchesini M, Mistry NA, Clise-Dwyer K, Ang SA, Storti P, Viale A, Giuliani N, Ruisaard K, Ganan Gomez I, Bristow CA, Estecio M, Weksberg DC, Ho YW, Hu B, Genovese G, Pettazzoni P, Multani AS, Jiang S, Hua S, Ryan MC, Carugo A, Nezi L, Wei Y, Yang H, D'Anca M, Zhang L, Gaddis S, Gong T, Horner JW, Heffernan TP, Jones P, Cooper LJ, Liang H, Kantarjian H, Wang YA, Chin L, Bueso-Ramos C, Garcia-Manero G, DePinho RA. Telomere dysfunction drives aberrant hematopoietic differentiation and myelodysplastic syndrome. *Cancer Cell* 27(5):644-57, 5/2015. PMID: PMC4596059.
315. Eelen G, Verlinden L, Maes C, Beullens I, Gysemans C, Paik JH, DePinho RA, Bouillon R, Carmeliet G, Verstuyf A. Forkhead box O transcription factors in chondrocytes regulate endochondral bone formation. *J Steroid Biochem Mol Biol*. e-Pub 7/2015. PMID: 26232637.
316. Muller FL, Aquilanti EA, DePinho RA. Collateral Lethality: A new therapeutic strategy in oncology. *Trends Cancer* 1(3):161-173, 11/2015. PMID: PMC4746004.
317. Taguchi A, Rho JH, Yan Q, Zhang Y, Zhao Y, Xu H, Tripathi SC, Wang H, Brenner DE, Kucherlapati M, Kucherlapati R, Boutin AT, Wang YA, DePinho RA, Feng Z, Lampe PD, Hanash SM. MAPRE1 as a plasma biomarker for early-stage colorectal cancer and adenomas. *Cancer Prev Res (Phila)* 8(11):1112-9, 11/2015. e-Pub 9/2015. PMID: PMC4633385.
318. O-Sullivan I, Zhang W, Wasserman DH, Liew CW, Liu J, Paik J, DePinho RA, Stolz DB, Kahn CR, Schwartz MW, Unterman TG. FoxO1 integrates direct and indirect effects of insulin on hepatic glucose production and glucose utilization. *Nat Commun* 6:7079, 2015. e-Pub 5/2015. PMID: 25963540.
319. Milan G, Romanello V, Pescatore F, Armani A, Paik JH, Frasson L, Seydel A, Zhao J, Abraham R, Goldberg AL, Blaauw B, DePinho RA, Sandri M. Regulation of autophagy and the ubiquitin-proteasome system by the FoxO transcriptional network during muscle atrophy. *Nat Commun* 6:6670, 2015. e-Pub 4/2015. PMID: PMC4403316.
320. Wang G, Lu X, Dey P, Deng P, Wu CC, Jiang S, Fang Z, Zhao K, Konaparthi R, Hua S, Zhang J, Li-Ning-Tapia EM, Kapoor A, Wu CJ, Patel NB, Guo Z, Ramamoorthy V, Tieu TN, Heffernan T, Zhao D, Shang X, Khadka S, Hou P, Hu B, Jin EJ, Yao W, Pan X, Ding Z, Shi Y, Li L, Chang Q, Troncoso P, Logothetis CJ, McArthur MJ, Chin L, Wang YA, DePinho RA. Targeting YAP-Dependent MDSC Infiltration Impairs Tumor Progression. *Cancer Discov* 6(1):80-95, 1/2016. e-Pub 12/2015. PMID: PMC4707102.
321. Ying H, Dey P, Yao W, Kimmelman AC, Draetta GF, Maitra A, DePinho RA. Genetics and biology of pancreatic ductal adenocarcinoma. *Genes Dev* 30(4):355-85, 2/2016. PMID: PMC4762423.
322. Carugo A, Genovese G, Seth S, Nezi L, Rose JL, Bossi D, Cicalese A, Shah PK, Viale A, Pettazzoni PF, Akdemir KC, Bristow CA, Robinson FS, Tepper J, Sanchez N, Gupta S, Estecio MR, Giuliani V, Dellino GI, Riva L, Yao W, Di Francesco ME, Green T, D'Alesio C, Corti D, Kang Y, Jones P, Wang H, Fleming JB, Maitra A, Pelicci PG, Chin L, DePinho RA, Lanfrancone L, Heffernan TP, Draetta GF. In Vivo Functional Platform Targeting Patient-Derived Xenografts Identifies WDR5-Myc Association as a Critical Determinant of Pancreatic Cancer. *Cell Rep* 16(1):133-47, 6/2016. e-Pub 6/2016. PMID: 27320920.
323. Doan KV, Kinyua AW, Yang DJ, Ko CM, Moh SH, Shong KE, Kim H, Park SK, Kim DH, Kim I, Paik JH, DePinho RA, Yoon SG, Kim IY, Seong JK, Choi YH, Kim KW. FoxO1 in dopaminergic neurons regulates energy homeostasis and targets tyrosine hydroxylase. *Nat Commun* 7:12733, 9/2016. e-Pub 9/2016. PMID: PMC5056402.
324. Hu B, Wang Q, Wang YA, Hua S, Sauvé CG, Ong D, Lan ZD, Chang Q, Ho YW, Monasterio MM, Lu X, Zhong Y, Zhang J, Deng P, Tan Z, Wang G, Liao WT, Corley LJ, Yan H, Zhang J, You Y, Liu N, Cai L, Finocchiaro G, Phillips JJ, Berger MS, Spring DJ, Hu J, Sulman EP, Fuller GN, Chin L, Verhaak RGW, DePinho RA. Epigenetic Activation of WNT5A Drives

- Glioblastoma Stem Cell Differentiation and Invasive Growth. *Cell* 167(5):1281-1295.e18, 11/2016. PMID: PMC5320931.
325. Leonard PG, Satani N, Maxwell D, Lin YH, Hammoudi N, Peng Z, Pisaneschi F, Link TM, Lee GR, Sun D, Prasad BA, Di Francesco ME, Czako B, Asara JM, Wang YA, Bornmann W, DePinho RA, Muller FL. SF2312 is a natural phosphonate inhibitor of enolase. *Nat Chem Biol* 12(12):1053-1058, 12/2016. e-Pub 10/2016. PMID: PMC5110371.
 326. Dey P, Baddour J, Muller F, Wu CC, Wang H, Liao WT, Lan Z, Chen A, Gutschner T, Kang Y, Fleming J, Satani N, Zhao D, Achreja A, Yang L, Lee J, Chang E, Genovese G, Viale A, Ying H, Draetta G, Maitra A, Wang YA, Nagrath D, DePinho RA. Genomic deletion of malic enzyme 2 confers collateral lethality in pancreatic cancer. *Nature* 542(7639):119-123, 2/2017. e-Pub 1/2017. PMID: PMC5398413.
 327. Ju HQ, Ying H, Tian T, Ling J, Fu J, Lu Y, Wu M, Yang L, Achreja A, Chen G, Zhuang Z, Wang H, Nagrath D, Yao J, Hung MC, DePinho RA, Huang P, Xu RH, Chiao PJ. Mutant Kras- and p16-regulated NOX4 activation overcomes metabolic checkpoints in development of pancreatic ductal adenocarcinoma. *Nat Commun* 8:14437, 2/2017. e-Pub 2/2017. PMID: PMC5333128.
 328. Boutin AT, Liao WT, Wang M, Hwang SS, Karpinets TV, Cheung H, Chu GC, Jiang S, Hu J, Chang K, Vilar E, Song X, Zhang J, Kopetz S, Futreal A, Wang YA, Kwong LN, DePinho RA. Oncogenic Kras drives invasion and maintains metastases in colorectal cancer. *Genes Dev* 31(4):370-382, 2/2017. e-Pub 3/2017. PMID: PMC5358757.
 329. Zhao D, Lu X, Wang G, Lan Z, Liao W, Li J, Liang X, Chen JR, Shah S, Shang X, Tang M, Deng P, Dey P, Chakravarti D, Chen P, Spring DJ, Navone NM, Troncoso P, Zhang J, Wang YA, DePinho RA. Synthetic essentiality of chromatin remodelling factor CHD1 in PTEN-deficient cancer. *Nature* 542(7642):484-488, 2/2017. e-Pub 2/2017. PMID: PMC5448706.
 330. Genovese G, Carugo A, Tepper J, Robinson FS, Li L, Svelto M, Nezi L, Corti D, Minelli R, Pettazoni P, Gutschner T, Wu CC, Seth S, Akdemir KC, Leo E, Amin S, Molin MD, Ying H, Kwong LN, Colla S, Takahashi K, Ghosh P, Giuliani V, Muller F, Dey P, Jiang S, Garvey J, Liu CG, Zhang J, Heffernan TP, Toniatti C, Fleming JB, Goggins MG, Wood LD, Sgambato A, Agaimy A, Maitra A, Roberts CW, Wang H, Viale A, DePinho RA, Draetta GF, Chin L. Synthetic vulnerabilities of mesenchymal subpopulations in pancreatic cancer. *Nature* 542(7641):362-366, 2/2017. e-Pub 2/2017. PMID: 28178232.
 331. Chen CT, Chen YC, Du Y, Han Z, Ying H, Bouchard RR, Hsu JL, Hsu JM, Mitcham TM, Chen MK, Sun HL, Chang SS, Li D, Chang P, DePinho RA, Hung MC. A tumor vessel-targeting fusion protein elicits a chemotherapeutic bystander effect in pancreatic ductal adenocarcinoma. *Am J Cancer Res* 7(3):657-672, 3/2017. e-Pub 3/2017. PMID: PMC5385650.
 332. Lu X, Homer JW, Paul E, Shang X, Troncoso P, Deng P, Jiang S, Chang Q, Spring DJ, Sharma P, Zebala JA, Maeda DY, Wang YA, DePinho RA. Effective combinatorial immunotherapy for castration-resistant prostate cancer. *Nature* 543(7647):728-732, 3/2017. e-Pub 3/2017. PMID: PMC5374023.
 333. Lu X, Homer JW, Paul E, Shang X, Troncoso P, Deng P, Jiang S, Chang Q, Spring DJ, Sharma P, Zebala JA, Maeda DY, Wang YA, DePinho RA. Erratum: Effective combinatorial immunotherapy for castration-resistant prostate cancer. *Nature* 545(7652):116, 5/2017. PMID: 28470201.
 334. Sarkar S, Bristow CA, Dey P, Rai K, Perets R, Ramirez-Cardenas A, Malasi S, Huang-Hobbs E, Haemmerle M, Wu SY, McGuire M, Protopopov A, Jiang S, Liu JF, Hirsch MS, Chang Q, Lazar AJ, Sood AK, Drapkin R, DePinho R, Draetta G, Chin L. PRKCI promotes immune suppression in ovarian cancer. *Genes Dev* 31(11):1109-1121, 6/2017. e-Pub 7/2017. PMID: 28698296.
 335. Marchesini M, Ogoti Y, Fiorini E, Aktas Samur A, Nezi L, D'Anca M, Storti P, Samur MK, Ganon-Gomez I, Fulciniti MT, Mistry N, Jiang S, Bao N, Marchica V, Neri A, Bueso-Ramos C, Wu CJ, Zhang L, Liang H, Peng X, Giuliani N, Draetta G, Clise-Dwyer K, Kantarjian H, Munshi N, Orlowski R, Garcia-Manero G, DePinho RA, Colla S. ILF2 Is a Regulator of RNA Splicing and DNA Damage Response in 1q21-Amplified Multiple Myeloma. *Cancer Cell* 32(1):88-100.e6, 7/2017. e-Pub 6/2017. PMID: 28669490.

336. Wang Q, Hu B, Hu X, Kim H, Squatrito M, Scarpace L, deCarvalho AC, Lyu S, Li P, Li Y, Barthel F, Cho HJ, Lin YH, Satani N, Martinez-Ledesma E, Zheng S, Chang E, Sauvé CG, Olar A, Lan ZD, Finocchiaro G, Phillips JJ, Berger MS, Gabrusiewicz KR, Wang G, Eskilsson E, Hu J, Mikkelsen T, DePinho RA, Muller F, Heimberger AB, Sulman EP, Nam DH, Verhaak RGW. Tumor Evolution of Glioma-Intrinsic Gene Expression Subtypes Associates with Immunological Changes in the Microenvironment. *Cancer Cell* 32(1):42-56.e6, 7/2017. PMID: PMC5599156.
337. Yang Y, Blee AM, Wang D, An J, Pan Y, Yan Y, Ma T, He Y, Dugdale J, Hou X, Zhang J, Weroha SJ, Zhu WG, Wang YA, DePinho RA, Xu W, Huang H. Loss of FOXO1 cooperates with TMPRSS2-ERG overexpression to promote prostate tumorigenesis and cell invasion. *Cancer Res.* e-Pub 10/2017. PMID: 28986382.
338. Ong DST, Hu B, Ho YW, Sauvé CG, Bristow CA, Wang Q, Multani AS, Chen P, Nezi L, Jiang S, Gorman CE, Monasterio MM, Koul D, Marchesini M, Colla S, Jin EJ, Sulman EP, Spring DJ, Yung WA, Verhaak RGW, Chin L, Wang YA, DePinho RA. PAF promotes stemness and radioresistance of glioma stem cells. *Proc Natl Acad Sci U S A* 114(43):E9086-E9095, 10/2017. e-Pub 10/2017. PMID: PMC5664518.
339. Al-Tamari HM, Dabral S, Schmall A, Sarvari P, Ruppert C, Paik J, DePinho RA, Grimminger F, Eickelberg O, Guenther A, Seeger W, Savai R, Pullamsetti SS. FoxO3 an important player in fibrogenesis and therapeutic target for idiopathic pulmonary fibrosis. *EMBO Mol Med.* e-Pub 12/2017. PMID: 29217661.
340. Lu X, Jin EJ, Cheng X, Feng S, Shang X, Deng P, Jiang S, Chang Q, Rahmy S, Chaudhary S, Lu X, Zhao R, Wang YA, DePinho RA. Opposing roles of TGF β and BMP signaling in prostate cancer development. *Genes Dev* 31(23-24):2337-2342, 12/2017. PMID: PMC5795781.
341. Wang Q, Hu B, Hu X, Kim H, Squatrito M, Scarpace L, deCarvalho AC, Lyu S, Li P, Li Y, Barthel F, Cho HJ, Lin YH, Satani N, Martinez-Ledesma E, Zheng S, Chang E, Gabriel Sauvé CE, Olar A, Lan ZD, Finocchiaro G, Phillips JJ, Berger MS, Gabrusiewicz KR, Wang G, Eskilsson E, Hu J, Mikkelsen T, DePinho RA, Muller F, Heimberger AB, Sulman EP, Nam DH, Verhaak RGW. Tumor Evolution of Glioma-Intrinsic Gene Expression Subtypes Associates with Immunological Changes in the Microenvironment. *Cancer Cell* 33(1):152, 1/2018. PMID: PMC5892424.
342. Lu X, Pan X, Wu CJ, Zhao D, Feng S, Zang Y, Lee R, Khadka S, Amin SB, Jin EJ, Shang X, Deng P, Luo Y, Morgenlander WR, Weinrich J, Lu X, Jiang S, Chang Q, Navone NM, Troncoso P, DePinho RA, Wang YA. An In Vivo Screen Identifies PYGO2 as a Driver for Metastatic Prostate Cancer. *Cancer Res* 78(14):3823-3833, 7/2018. e-Pub 5/2018. PMID: 29769196.
343. Molina JR, Sun Y, Protopopova M, Gera S, Bandi M, Bristow C, McAfoos T, Morlacchi P, Ackroyd J, Agip AA, Al-Atrash G, Asara J, Bardenhagen J, Carrillo CC, Carroll C, Chang E, Ciurea S, Cross JB, Czako B, Deem A, Daver N, de Groot JF, Dong JW, Feng N, Gao G, Gay J, Do MG, Greer J, Giuliani V, Han J, Han L, Henry VK, Hirst J, Huang S, Jiang Y, Kang Z, Khor T, Konoplev S, Lin YH, Liu G, Lodi A, Lofton T, Ma H, Mahendra M, Matre P, Mullinax R, Peoples M, Petrocchi A, Rodriguez-Canale J, Serreli R, Shi T, Smith M, Tabe Y, Theroff J, Tiziani S, Xu Q, Zhang Q, Muller F, DePinho RA, Toniatti C, Draetta GF, Heffernan TP, Konopleva M, Jones P, Di Francesco ME, Marszalek JR. An inhibitor of oxidative phosphorylation exploits cancer vulnerability. *Nat Med* 24(7):1036-1046, 7/2018. e-Pub 6/2018. PMID: 29892070.
344. Schöffner I, Minakaki G, Khan MA, Balta EA, Schlötzer-Schrehardt U, Schwarz TJ, Beckervordersandforth R, Winner B, Webb AE, DePinho RA, Paik J, Wurst W, Klucken J, Lie DC. FoxO Function Is Essential for Maintenance of Autophagic Flux and Neuronal Morphogenesis in Adult Neurogenesis. *Neuron* 99(6):1188-1203.e6, 9/2018. e-Pub 9/2018. PMID: PMC6186958.
345. Wang G, Zhao D, Spring DJ, DePinho RA. Genetics and biology of prostate cancer. *Genes Dev* 32(17-18):1105-1140, 9/2018. PMID: PMC6120714.
346. Singh AK, Khare P, Obaid A, Conlon KP, Basrur V, DePinho RA, Venuprasad K. SUMOylation of ROR- γ t inhibits IL-17 expression and inflammation via HDAC2. *Nat Commun* 9(1):4515, 10/2018. e-Pub 10/2018. PMID: PMC6207785.

347. Moreira D, Adamus T, Zhao X, Su YL, Zhang Z, White SV, Swiderski P, Lu X, DePinho RA, Pal SK, Kortylewski M. STAT3 Inhibition Combined with CpG Immunostimulation Activates Antitumor Immunity to Eradicate Genetically Distinct Castration-Resistant Prostate Cancers. *Clin Cancer Res* 24(23):5948-5962, 12/2018. e-Pub 10/2018. PMID: PMC6279477.
348. Sun Y, Bandi M, Lofton T, Smith M, Bristow CA, Carugo A, Rogers N, Leonard P, Chang Q, Mullinax R, Han J, Shi X, Seth S, Meyers BA, Miller M, Miao L, Ma X, Feng N, Giuliani V, Geck Do M, Czako B, Palmer WS, Mseeh F, Asara JM, Jiang Y, Morlacchi P, Zhao S, Peoples M, Tieu TN, Warmoes MO, Lorenzi PL, Muller FL, DePinho RA, Draetta GF, Toniatti C, Jones P, Heffernan TP, Marszalek JR. Functional Genomics Reveals Synthetic Lethality between Phosphogluconate Dehydrogenase and Oxidative Phosphorylation. *Cell Rep* 26(2):469-482.e5, 1/2019. PMID: 30625329.
349. Son DH, Doan KV, Yang DJ, Sun JS, Kim SK, Kang N, Kang JY, Paik JH, DePinho RA, Choi YH, Shin DM, Kim KW. FoxO1 regulates leptin-induced mood behavior by targeting tyrosine hydroxylase. *Metabolism* 91:43-52, 2/2019. e-Pub 11/2018. PMID: 30500562.
350. Liao W, Overman MJ, Boutin AT, Shang X, Zhao D, Dey P, Li J, Wang G, Lan Z, Li J, Tang M, Jiang S, Ma X, Chen P, Katkhuda R, Korphaisarn K, Chakravarti D, Chang A, Spring DJ, Chang Q, Zhang J, Maru DM, Maeda DY, Zebala JA, Kopetz S, Wang YA, DePinho RA. KRAS-IRF2 Axis Drives Immune Suppression and Immune Therapy Resistance in Colorectal Cancer. *Cancer Cell* 35(4):559-572.e7, 4/2019. e-Pub 3/2019. PMID: PMC6467776.
351. Yao W, Rose JL, Wang W, Seth S, Jiang H, Taguchi A, Liu J, Yan L, Kapoor A, Hou P, Chen Z, Wang Q, Nezi L, Xu Z, Yao J, Hu B, Pettazzoni PF, Ho IL, Feng N, Ramamoorthy V, Jiang S, Deng P, Ma GJ, Den P, Tan Z, Zhang SX, Wang H, Wang YA, Deem AK, Fleming JB, Carugo A, Heffernan TP, Maitra A, Viale A, Ying H, Hanash S, DePinho RA, Draetta GF. Syndecan 1 is a critical mediator of macropinocytosis in pancreatic cancer. *Nature* 568(7752):410-414, 4/2019. e-Pub 3/2019. PMID: 30918400.
352. Frenquelli M, Caridi N, Antonini E, Storti F, Viganò V, Gavraghi M, Occhionorelli M, Bianchessi S, Bongiovanni L, Spinelli A, Marcatti M, Belloni D, Ferrero E, Karki S, Brambilla P, Martinelli-Boneschi F, Colla S, Ponzoni M, DePinho RA, Tonon G. The WNT receptor ROR2 drives the interaction of multiple myeloma cells with the microenvironment through AKT activation. *Leukemia*. e-Pub 5/2019. PMID: 31148590.
353. Chen P, Zhao D, Li J, Liang X, Li J, Chang A, Henry VK, Lan Z, Spring DJ, Rao G, Wang YA, DePinho RA. Symbiotic Macrophage-Glioma Cell Interactions Reveal Synthetic Lethality in PTEN-Null Glioma. *Cancer Cell* 35(6):868-884.e6, 6/2019. PMID: PMC6561349.
354. Hou P, Ma X, Zhang Q, Wu CJ, Liao W, Li J, Wang H, Zhao J, Zhou X, Guan C, Ackroyd J, Jiang S, Zhang J, Spring DJ, Wang YA, DePinho RA. USP21 deubiquitinase promotes pancreas cancer cell stemness via Wnt pathway activation. *Genes Dev* 33(19-20):1361-1366, Oct 1, 2019, 10/2019. e-Pub 9/2019. PMID: PMC6771391.
355. Kapoor A, Yao W, Ying H, Hua S, Liewen A, Wang Q, Zhong Y, Wu CJ, Sadanandam A, Hu B, Chang Q, Chu GC, Al-Khalil R, Jiang S, Xia H, Fletcher-Sananikone E, Lim C, Horwitz GI, Viale A, Pettazzoni P, Sanchez N, Wang H, Protopopov A, Zhang J, Heffernan T, Johnson RL, Chin L, Wang YA, Draetta G, DePinho RA. Yap1 Activation Enables Bypass of Oncogenic Kras Addiction in Pancreatic Cancer. *Cell* 179(5):1239, 11/2019. PMID: PMC6941747.
356. Chen P, Hsu WH, Chang A, Tan Z, Lan Z, Zhou A, Spring DJ, Lang FF, Wang YA, DePinho RA. Circadian regulator CLOCK recruits immune suppressive microglia into the GBM tumor microenvironment. *Cancer Discov* 10(3):371-381, 3/2020. e-Pub 1/2020. PMID: PMC7058515.
357. Li X, Qian X, Wang B, Xia Y, Zheng Y, Du L, Xu D, Xing D, DePinho RA, Lu Z. Programmable base editing of mutated TERT promoter inhibits brain tumour growth. *Nat Cell Biol* 22(3):282-288, 3/2020. e-Pub 2/2020. PMID: 32066906.
358. Dey P, Li J, Zhang J, Chaurasiya S, Strom A, Wang H, Liao WT, Cavallaro F, Denz P, Bernard V, Yen EY, Genovese G, Gulhati P, Liu J, Chakravarti D, Deng P, Zhang T, Carbone F, Chang Q, Ying H, Shang X, Spring DJ, Ghosh B, Putluri N, Maitra A, Wang YA, DePinho RA. Oncogenic Kras driven metabolic reprogramming in pancreas cancer cells utilizes cytokines from the tumor microenvironment. *Cancer Discov* 10(4):608-625, 4/2020. e-Pub 2/2020. PMID: PMC7125035.

359. Hou P, Kapoor A, Zhang Q, Li J, Wu CJ, Li J, Lan Z, Tang M, Ma X, Ackroyd JJ, Kalluri R, Zhang J, Jiang S, Spring DJ, Wang YA, DePinho RA. Tumor Microenvironment Remodeling Enables Bypass of Oncogenic KRAS Dependency in Pancreatic Cancer. *Cancer Discov* 10(7):1058-1077, 7/2020. e-Pub 4/2020. PMID: PMC7334087.

Invited Articles

1. Alt FW, Blackwell TK, DePinho RA, Reth MG, Yancopoulos GD. Regulation of genome rearrangement events during lymphocyte differentiation. *Immunol Rev* 89:5-30, 2/1986. PMID: 3081433.
2. DePinho RA, Feldman LB, Scharff MD. Tailor-made monoclonal antibodies. *Ann Intern Med* 104(2):225-33, 2/1986. PMID: 3080934.
3. Scharff MD, DePinho RA, Behar S, Beychok C, Shin SU, French D. The role of monoclonal antibodies and the recombinant DNA technology in studying autoantibody production. *Cell Immunol* 99(1):29-37, 4/1986. PMID: 3093101.
4. DePinho RA, Hatton K, Ferrier P, Zimmerman K, Legouy E, Tesfaye A, Collum R, Yancopoulos G, Nisen P, Alt F. Myc family genes: a dispersed multi-gene family. *Ann Clin Res* 18(5-6):284-9, 1986. PMID: 3551773.
5. Alt FW, DePinho R, Zimmerman K, Legouy E, Hatton K, Ferrier P, Tesfaye A, Yancopoulos G, Nisen P. The human myc gene family. *Cold Spring Harb Symp Quant Biol* 51 Pt 2:931-41, 1986. PMID: 3034500.
6. DePinho R, Mitsok L, Hatton K, Ferrier P, Zimmerman K, Legouy E, Tesfaye A, Collum R, Yancopoulos G, Nisen P. Myc family of cellular oncogenes. *J Cell Biochem* 33(4):257-66, 4/1987. PMID: 3034933.
7. Scharff MD, Aguila HL, Behar SM, Chien NC, DePinho R, French DL, Pollock RR, Shin SU. Studies on the somatic instability of immunoglobulin genes in vivo and in cultured cells. *Immunol Rev* 96:75-90, 4/1987. PMID: 3298011.
8. Legouy E, DePinho R, Zimmerman K, Collum R, Yancopoulos G, Mitsok L, Kriz R, Alt FW. Structure and expression of the murine L-myc gene. *EMBO J* 6(11):3359-66, 11/1987. PMID: PMC553791.
9. Dildrop R, Zimmerman K, DePinho RA, Yancopoulos GD, Tesfaye A, Alt FW. Differential expression of myc-family genes during development: normal and deregulated N-myc expression in transgenic mice. *Curr Top Microbiol Immunol* 141:100-9, 1988. PMID: 3215042.
10. DePinho RA, Schreiber-Agus N, Alt FW. myc family oncogenes in the development of normal and neoplastic cells. *Adv Cancer Res* 57:1-46, 1991. PMID: 1950701.
11. Torres R, Schreiber-Agus N, Morgenbesser SD, DePinho RA. Myc and Max: a putative transcriptional complex in search of a cellular target. *Curr Opin Cell Biol* 4(3):468-74, 6/1992. PMID: 1497918.
12. Morgenbesser SD, DePinho RA. Use of transgenic mice to study myc family gene function in normal mammalian development and in cancer. *Semin Cancer Biol* 5(1):21-36, 2/1994. PMID: 8186385.
13. Williams BO, Morgenbesser SD, DePinho RA, Jacks T. Tumorigenic and developmental effects of combined germ-line mutations in Rb and p53. *Cold Spring Harb Symp Quant Biol* 59:449-57, 1994. PMID: 7587099.
14. Chin L, Liégeois N, DePinho RA, Schreiber-Agus N. Functional interactions among members of the Myc superfamily and potential relevance to cutaneous growth and development. *J Invest Dermatol Symp Proc* 1(2):128-35, 4/1996. PMID: 9627706.
15. Schreiber-Agus N, Alland L, Muhle R, Goltz J, Chen K, Stevens L, Stein D, DePinho RA. A biochemical and biological analysis of Myc superfamily interactions. *Curr Top Microbiol Immunol* 224:159-68, 1997. PMID: 9308239.
16. Blasco MA, Lee HW, Rizen M, Hanahan D, DePinho R, Greider CW. Mouse models for the study of telomerase. *Ciba Found Symp* 211:160-70; discussion 170-6, 1997. PMID: 9524757.
17. DePinho RA. Transcriptional repression. The cancer-chromatin connection. *Nature* 391(6667):533, 535-6, 2/1998. PMID: 9468130.
18. Chin L, Pomerantz J, DePinho RA. The INK4a/ARF tumor suppressor: one gene--two products--two pathways. *Trends Biochem Sci* 23(8):291-6, 8/1998. PMID: 9757829.

19. Schreiber-Agus N, DePinho RA. Repression by the Mad(Mxi1)-Sin3 complex. *Bioessays* 20(10):808-18, 10/1998. PMID: 9819568.
20. Chin L, Merlino G, DePinho RA. Malignant melanoma: modern black plague and genetic black box. *Genes Dev* 12(22):3467-81, 11/1998. PMID: 9832500.
21. Sharpless NE, DePinho RA. The INK4A/ARF locus and its two gene products. *Curr Opin Genet Dev* 9(1):22-30, 2/1999. PMID: 10072356.
22. de Lange T, DePinho RA. Unlimited mileage from telomerase? *Science* 283(5404):947-9, 2/1999. PMID: 10075559.
23. Kipling D, Wynford-Thomas D, Jones CJ, Akbar A, Aspinall R, Bacchetti S, Blasco MA, Broccoli D, DePinho RA, Edwards DR, Effros RB, Harley CB, Lansdorp PM, Linskens MH, Prowse KR, Newbold RF, Olovnikov AM, Parkinson EK, Pawelec G, Pontén J, Shall S, Zijlmans M, Faragher RG. Telomere-dependent senescence. *Nat Biotechnol* 17(4):313-4, 4/1999. PMID: 10207859.
24. DePinho RA, Jacks T. A bumper crop of cancer genes. *Nat Genet* 23(3):253-4, 11/1999. PMID: 10545932.
25. Artandi SE, DePinho RA. A critical role for telomeres in suppressing and facilitating carcinogenesis. *Curr Opin Genet Dev* 10(1):39-46, 2/2000. PMID: 10679392.
26. Chin L, DePinho RA. Flipping the oncogene switch: illumination of tumor maintenance and regression. *Trends Genet* 16(4):147-50, 4/2000. PMID: 10729826.
27. Sherr CJ, DePinho RA. Cellular senescence: mitotic clock or culture shock? *Cell* 102(4):407-10, 8/2000. PMID: 10966103.
28. Artandi SE, DePinho RA. Mice without telomerase: what can they teach us about human cancer? *Nat Med* 6(8):852-5, 8/2000. PMID: 10932211.
29. Bardeesy N, Wong KK, DePinho RA, Chin L. Animal models of melanoma: recent advances and future prospects. *Adv Cancer Res* 79:123-56, 2000. PMID: 10818679.
30. Kuchelapati R, DePinho RA. Cancer. Telomerase meets its mismatch. *Nature* 411(6838):647-8, 6/2001. PMID: 11395749.
31. DePinho RA, Jacks T. Introduction. The laboratory mouse in cancer research. *Semin Cancer Biol* 11(3):175-6, 6/2001. PMID: 11407942.
32. Chang S, Khoo C, DePinho RA. Modeling chromosomal instability and epithelial carcinogenesis in the telomerase-deficient mouse. *Semin Cancer Biol* 11(3):227-39, 6/2001. PMID: 11407947.
33. Bardeesy N, Sharpless NE, DePinho RA, Merlino G. The genetics of pancreatic adenocarcinoma: a roadmap for a mouse model. *Semin Cancer Biol* 11(3):201-18, 6/2001. PMID: 11407945.
34. Castrillon DH, DePinho RA. Modeling prostate cancer in the mouse. *Adv Cancer Res* 82:187-204, 2001. PMID: 11447763.
35. Maser RS, DePinho RA. Keeping telomerase in its place. *Nat Med* 8(9):934-6, 9/2002. PMID: 12205452.
36. Chang S, DePinho RA. Telomerase extracurricular activities. *Proc Natl Acad Sci U S A* 99(20):12520-2, 10/2002. e-Pub 9/2002. PMCID: PMC130491.
37. Maser RS, DePinho RA. Take care of your chromosomes lest cancer take care of you. *Cancer Cell* 3(1):4-6, 1/2003. PMID: 12559169.
38. DePinho RA, Wong KK. The age of cancer: telomeres, checkpoints, and longevity. *J Clin Invest* 111(7):S9-14, 4/2003. PMID: 12688272.
39. Wong KK, DePinho RA. Walking the telomere plank into cancer. *J Natl Cancer Inst* 95(16):1184-6, 8/2003. PMID: 12928335.
40. Attardi LD, DePinho RA. Conquering the complexity of p53. *Nat Genet* 36(1):7-8, 1/2004. PMID: 14702030.
41. Sharpless NE, DePinho RA. Telomeres, stem cells, senescence, and cancer. *J Clin Invest* 113(2):160-8, 1/2004. PMCID: PMC311439.
42. Maser RS, DePinho RA. Telomeres and the DNA damage response: why the fox is guarding the henhouse. *DNA Repair (Amst)* 3(8-9):979-88, Aug-Sep, 8/2004. PMID: 15279784.
43. DePinho RA, Polyak K. Cancer chromosomes in crisis. *Nat Genet* 36(9):932-4, 9/2004. PMID: 15340427.

44. Sharpless NE, DePinho RA. Cancer: crime and punishment. *Nature* 436(7051):636-7, 8/2005. PMID: 16079829.
45. Sharpless NE, DePinho RA. The mighty mouse: genetically engineered mouse models in cancer drug development. *Nat Rev Drug Discov* 5(9):741-54, 9/2006. e-Pub 8/2006. PMID: 16915232.
46. Sharpless NE, DePinho RA. Cancer biology: gone but not forgotten. *Nature* 445(7128):606-7, 2/2007. PMID: 17251931.
47. Sharpless NE, DePinho RA. How stem cells age and why this makes us grow old. *Nat Rev Mol Cell Biol* 8(9):703-13, 9/2007. PMID: 17717515.
48. Stegh AH, Chin L, Louis DN, DePinho RA. What drives intense apoptosis resistance and propensity for necrosis in glioblastoma? A role for Bcl2L12 as a multifunctional cell death regulator. *Cell Cycle* 7(18):2833-9, 9/2008. e-Pub 9/2008. PMID: 18769159.
49. Zheng H, Ying H, Yan H, Kimmelman AC, Hiller DJ, Chen AJ, Perry SR, Tonon G, Chu GC, Ding Z, Stommel JM, Dunn KL, Wiedemeyer R, You MJ, Brennan C, Wang YA, Ligon KL, Wong WH, Chin L, DePinho RA. Pten and p53 converge on c-Myc to control differentiation, self-renewal, and transformation of normal and neoplastic stem cells in glioblastoma. *Cold Spring Harb Symp Quant Biol* 73:427-37, 2008. e-Pub 1/2009. PMID: 19150964.
50. Gan B, DePinho RA. mTORC1 signaling governs hematopoietic stem cell quiescence. *Cell Cycle* 8(7):1003-6, 4/2009. e-Pub 4/2009. PMID: PMC2743144.
51. Draetta GF, DePinho RA. Cancer Drug Discovery Faces the FACT. *Sci Transl Med* 3(95):95ps34, 8/2011. PMID: 21832237.
52. Cao Y, DePinho RA, Ernst M, Vousden K. Cancer research: past, present and future. *Nat Rev Cancer* 11(10):1-7, 10/2011. e-Pub 9/2011. PMID: 21918542.
53. Jaffee EM, Dang CV, Agus DB, Alexander BM, Anderson KC, Ashworth A, Barker AD, Bastani R, Bhatia S, Bluestone JA, Brawley O, Butte AJ, Coit DG, Davidson NE, Davis M, DePinho RA, Diasio RB, Draetta G, Frazier AL, Futreal A, Gambhir SS, Ganz PA, Garraway L, Gerson S, Gupta S, Heath J, Hoffman RI, Hudis C, Hughes-Halbert C, Ibrahim R, Jadvar H, Kavanagh B, Kittles R, Le QT, Lippman SM, Mankoff D, Mardis ER, Mayer DK, McMasters K, Meropol NJ, Mitchell B, Naredi P, Ornish D, Pawlik TM, Peppercorn J, Pomper MG, Raghavan D, Ritchie C, Schwarz SW, Sullivan R, Wahl R, Wolchok JD, Wong SL, Yung A. Future cancer research priorities in the USA: a Lancet Oncology Commission. *Lancet Oncol* 18(11):e653-e706, 11/2017. e-Pub 10/2017. PMID: 29208398.

Editorials

1. DePinho, RA. Our Children's Future Is Our Responsibility. ASCO Post, <http://www.ascopost.com/issues/september-25-2015/our-childrens-future-is-our-responsibility/>, 9/2015.
2. DePinho, RA. A Shot to End Cancer: HPV Vaccination. ASCO Post, <http://www.ascopost.com/issues/december-25-2015/a-shot-to-end-cancer-hpv-vaccination/>, 12/2015.
3. DePinho RA, Hawk E. Cancer prevention in developing countries: a vision for preserving health in Mexico. *Salud Publica Mex* 58(2):93-6, 4/2016. PMID: 27557366.
4. DePinho, RA. Dethroning the Emperor of All Maladies. ASCO Post, <http://www.ascopost.com/issues/may-10-2016/dethroning-the-emperor-of-all-maladies/>, 5/2016.
5. DePinho, RA. Supporting Policy to Reduce Tobacco-Related Deaths. ASCO Post, <http://www.ascopost.com/issues/june-25-2016/supporting-policy-to-reduce-tobacco-related-deaths/>, 6/2016.

Other Articles

N/A

Abstracts

N/A

Book Chapters

1. DePinho RA, Yancopoulos GD, Blackwell TK, Reth MG, Kruger K, Lutzger SL, Alt FW. Regulation and the assembly and expression of immunoglobulin genes: variable region

- assembly and heavy chain class switching. In: Molecular Basis of B Cell Differentiation and Function. Ed(s) M Ferrarini, B Pernis. Plenum Press: New York, 1-17, 1986.
2. Collum RG, DePinho RA, Mellis S, Thiele C, Israel M, Alt FW. A novel gene expressed specifically in neuroepitheliomas and related tumors. In: Cancer Cells. 7. Cold Spring Harb Quant Symp, 113-6, 1989.
 3. DePinho RA, Hatton K, Xu L, Wallen R, Morgenbesser SD, Horner J, Torres R, Patel V, Mahon K. Structure, expression and oncogenic activity of the myc gene family activities. In: CRC Growth Regulation and Carcinogenesis. Ed(s) WR Paukovits. CRC Uniscience, Inc., 1990.
 4. DePinho RA, Morgenbesser SD, Torres R, Hatton K. The myc of nuclear oncoproteins: Structure, biochemistry and activities. In: CRC Growth Regulation and Carcinogenesis. Ed(s) WR Paukovits. CRC Uniscience, Inc., 1990.
 5. Moroy T, Alt FW, DePinho RA. Use of transgenic mice to study normal and abnormal mammalian development. In: Molecular Foundation of Oncology. Ed(s) S Broder, 1991.
 6. Rudolph KL, DePinho RA. Telomeres and telomerase in experimental liver cirrhosis. In: The Liver: Biology and Pathobiology, 4th. Ed(s) IM Arias, JL Boyer, EV Chisari, N Fausto, D Schachter, D Shafritz. Lippincott Williams & Wilkins: Philadelphia, 999-1009, 2001.

Books (edited and written)

N/A

Letters to the Editor

1. DePinho, RA. DePinho: Access to top cancer centers can be life-or-death issue. Houston Chronicle, <http://www.chron.com/default/article/DePinho-Access-to-top-cancer-centers-can-be-5422063.php>, 4/2014. e-Pub 4/2014.
2. DePinho, RA. Laws Restricting Use of Tanning Salons by Minors. The New York Times, <http://www.nytimes.com/2015/01/20/opinion/laws-restricting-use-of-tanning-salons-by-minors.html>. e-Pub 1/2015.

Manuals, Teaching Aids, Other Teaching Publications

N/A

Other Publications

N/A

EDITORIAL AND REVIEW ACTIVITIES

Editor/Service on Editorial Board(s)

Editorial Board, Molecular Cancer Research, American Association for Cancer Research, (concluded)

Editorial Board, Aging, Impact Journals LLC

Editorial Board, Cancer Cell, Cell Press

Scientific Editor, Cancer Discovery, American Association for Cancer Research

Editorial Board, Genes & Cancer, Impact Journals

Editorial Board, Genes and Development, Cold Spring Harbor Laboratory Press

Editorial Board, Genes, Chromosomes and Cancer, Wiley-Liss, Inc.

Editorial Board, Genome Integrity, Springer

Member, Editorial Academy, International Journal of Oncology, Spandidos Publications Ltd.

Editorial Board, Neoplasia, Elsevier

Member of Editorial Review Board

N/A

Journal Reviewer

Reviewer, Cancer Discovery

Reviewer, Cancer Research

Reviewer, Cell, Cell Press

Reviewer, EMBO Journal

Reviewer, Genes and Development

Reviewer, Nature, Nature Publishing Group

Reviewer, Nature Communications

Reviewer, PNAS

Reviewer, Science, American Association for the Advancement of Science

Other Editorial and Review Activities

Executive Advisor Editor, Convergence in Cancer Research, Springer Nature, 2015-present

Advisory Editor, Oncotarget, Impact Journals, 2015-present

Editorial Advisory Panel, Scientific Reports, Nature Publishing Group

TEACHING

Teaching Within Current Institution - The University of Texas MD Anderson Cancer Center

Formal Teaching

Courses Taught

Instructor, The Biology of Cancer Metastasis, Course Number: GS14 1093, Course Hours: 3

Fall, 9/2015-12/2015

Instructor, Cancer Biology, Course Number: GS06 1063, Course Hours: 3

Spring, 3/2016-6/2016

Fall 2018, 9/2018

Lecturer, Basic and Translational Cancer Research, Course Number: GS04-1235

3/2018-4/2018

Instructor, Biology of Cancer Metastasis, Course Number: GS 041093, Course Hours: 1

Fall 2018, 9/2018

Lecturer, Topics in Molecular Medicine, GSBS, Course Number: GS21 1611, Course Hours: 1

Fall, 10/2018

Lecturer, Basic and Translational Cancer Biology, GSBS, Course Hours: 2

Spring, 3/2019-present

Lecturer, T32 Research Seminar series, Course Hours: 1

4/2019

Lecturer, Cell immortalization and tumorigenesis, Course Number: GS04 1235, Course Hours: 5

Spring, 4/2019

Training Programs

N/A

Other Formal Teaching

N/A

Supervisory Teaching

Committees

Advisory Committees

N/A

Supervisory Committees

N/A

Examining Committees

N/A

Direct Supervision

Undergraduate and Allied Health Students

Research Mentor, Rice University Undergrad, Alina Chen, 3/2016
Research Mentor, Rice University Undergrad, Andy Chang, 3/2016
Research Mentor, Abhishek Dasgupta, College Student, 6/2018-8/2018

Medical Students

Research Mentor, McGovern medical student, Jasper Chen, 8/2015-8/2019
Research Mentor, Sagar Shah, 9/2018-8/2019

Graduate Students

Research Mentor, Xiaolu Pan, MS, 2013-2015
Research Mentor, Rumi Lee, PhD, 9/2015-present
Research Mentor, Jiexi Li, PhD, 5/2017-present
Research Mentor, Li Cai, PhD, 5/2017-present
Research Mentor, GSBS, Kyle A LaBella, PhD, 9/2018-present
Research Mentor, MD Anderson Cancer Center, Jincheng Han, PhD, 6/2019-present
Research Mentor, MD Anderson Cancer Center, Ko-Chien Chen, PhD, 6/2019-present
Research Mentor, MD Anderson Cancer Center, Wen-Hao (Howard) Hsu, PhD, 6/2019-present
Research Mentor, MD Anderson Cancer Center, Xingdi Ma, PhD, 6/2019-present

Postdoctoral Research Fellows

Research Mentor, Avnish Kapoor, PhD, 2011-2014
Research Mentor, Xin Lu, PhD, 2011-2014
Research Mentor, Sujun Hua, PhD, 2011-2016
Research Mentor, Odyssey Program, Derrick Ong, PhD, 2011-11/2016
Research Mentor, Guocan Wang, PhD, 2011-8/2017
Research Mentor, Deepavali Chakravarti, PhD, 2013-present
Research Mentor, Presenjit Dey, PhD, 2013-present
Research Mentor, Odyssey Program, Di Zhao, PhD, 2014-present
Research Mentor, Pingping Hou, PhD, 2014-present
Research Mentor, Clinical research, Zheng D. Lan, MD, PhD, 2015-2016
Research Mentor, Marta Moreno Monasterio, PhD, 2015-6/2017
Research Mentor, Hong Seok Shim, PhD, 2015-present
Research Mentor, Clinical research, Pascal O. Zinn, MD, 2015-present
Research Mentor, Peiwen Chen, PhD, 2016-present
Research Mentor, Yohei Yoshihama, 1/2019-present
Research Mentor, Tingxin Zhang, 2/2019-present

Clinical Residents and Fellows

Research Mentor, Pat Gulhati, 9/2016-12/2019

Other Supervisory Teaching

Research Mentor, Simona Colla, PhD, Instructor, 2011-2013

Research Mentor, Haoqiang Ying, PhD, Instructor, 2011-2014
Research Mentor, Jian Hu, PhD, Instructor, 2011-2014
Research Mentor, Florian Muller, PhD, Instructor, 2011-2015
Research Mentor, Adam Boutin, PhD, Instructor, 2012-2016
Research Mentor, Xin Lu, PhD, Instructor, 2014-1/2017
Research Mentor, Wenting Liao, MD, Visiting Scholar, 2014-present

Teaching Outside Current Institution

Formal Teaching

Courses Taught

Founder and Organizer, Mouse Engineering and Characterization (NCI-sponsored),
Albert Einstein College of Medicine

Training Programs

N/A

Other Formal Teaching

N/A

Supervisory Teaching

Committees

Advisory Committees

N/A

Supervisory Committees

N/A

Examining Committees

N/A

Direct Supervision

Undergraduate and Allied Health Students

N/A

Medical Students

N/A

Graduate Students

Research Mentor, Albert Einstein College of Medicine, Lin Xu, 1988-1993
Research Mentor, Albert Einstein College of Medicine, Sharon Morgenbesser, 1988-1993
Research Mentor, Albert Einstein College of Medicine, Nicole Schreiber-Agus, 1989-1994
Research Mentor, Albert Einstein College of Medicine, Han-Woong Lee, PhD, 1991-1997
Research Mentor, Albert Einstein College of Medicine, Nanette Liegeois, MD, PhD, 1994-1997
Research Mentor, Albert Einstein College of Medicine, Roger Greenberg, MD, PhD, 1995-1999
Research Mentor, Albert Einstein College of Medicine, Jason Pomerantz, MD, 1996-1998
Research Mentor, Albert Einstein College of Medicine, Hong Shen-Li, 1996-1999
Research Mentor, Dana-Farber Cancer Institute, Ramya Kollipara, PhD, 2000-2006
Research Mentor, Dana-Farber Cancer Institute, Christine Khoo, PhD, 2000-2007

Research Mentor, Dana-Farber Cancer Institute, Evi Farazi, PhD, 2001-2005

Research Mentor, Dana-Farber Cancer Institute, Andre Aguirre, MD, PhD, 2002-2005

Research Mentor, Dana-Farber Cancer Institute, An-Jou (Angela) Chen, PhD, 2005-2009

Research Mentor, Dana-Farber Cancer Institute, Dennis Ho, PhD, 2007-2011

Postdoctoral Research Fellows

Research Mentor, Albert Einstein College of Medicine, Kimi Hatton, PhD, 1988-1996

Research Mentor, Albert Einstein College of Medicine, Christel Aperlo, PhD, 1990-1994

Research Mentor, Albert Einstein College of Medicine, Enrique Lahoz, PhD, 1991-1995

Research Mentor, Albert Einstein College of Medicine, Ken Chen, MD, 1991-1998

Research Mentor, Albert Einstein College of Medicine, Nicole Schreiber-Agus, PhD, 1994-1998

Research Mentor, Albert Einstein College of Medicine and Dana-Farber Cancer Institute, Karl-Lenhard Rudolph, MD, 1998-2000

Research Mentor, Dana-Farber Cancer Institute, Steven Artandi, MD, PhD, 1998-2000

Research Mentor, Clinical research, Dana-Farber Cancer Institute, Marcus Bosenberg, MD, PhD, 1998-2002

Research Mentor, Dana-Farber Cancer Institute, Norman Sharpless, MD, 1998-2002

Research Mentor, Dana-Farber Cancer Institute, Sandy Chang, MD, PhD, 1998-2002

Research Mentor, Dana-Farber Cancer Institute, Elizabeth Maher, MD, PhD, 1998-2005

Research Mentor, Dana-Farber Cancer Institute, Kristen Senechal, PhD, 1999-2001

Research Mentor, Dana-Farber Cancer Institute, Diego Castrillon, MD, PhD, 1999-2003

Research Mentor, Dana-Farber Cancer Institute, M. James You, MD, PhD, 1999-2003

Research Mentor, Dana-Farber Cancer Institute, Gregory David, PhD, 1999-2004

Research Mentor, Dana-Farber Cancer Institute, Nadeel Bardesy, PhD, 2000-2005

Research Mentor, Dana-Farber Cancer Institute, Cameron W. Brennan, MD, 2001-2004

Research Mentor, Dana-Farber Cancer Institute, Ruben Carrasco, MD, PhD, 2001-2004

Research Mentor, Dana-Farber Cancer Institute, Robert Bachoo, MD, PhD, 2001-2005

Research Mentor, Dana-Farber Cancer Institute, Richard Maser, PhD, 2001-2008

Research Mentor, Dana-Farber Cancer Institute, Alexander Stegh, PhD, 2001-2009

Research Mentor, Dana-Farber Cancer Institute, Ergun Sahin, MD, PhD, 2001-2011

Research Mentor, Dana-Farber Cancer Institute, Jan-Hermen Dannenberg, PhD, 2002-2006

Research Mentor, Clinical fellow, Dana-Farber Cancer Institute, Aram F. Hezel, MD, 2003-2006

Research Mentor, Dana-Farber Cancer Institute, Alec Kimmelman, MD, PhD, 2003-2008

Research Mentor, Dana-Farber Cancer Institute, Giovanni Tonon, MD, PhD, 2003-2008

Research Mentor, Dana-Farber Cancer Institute, Eric Martin, PhD, 2003-2009

Research Mentor, Dana-Farber Cancer Institute, Hongwu Zheng, PhD, 2003-2011

Research Mentor, Dana-Farber Cancer Institute, Jayne Stommel, PhD, 2004-2009

Research Mentor, Dana-Farber Cancer Institute, Ji-Hye Paik, PhD, 2004-2010

Research Mentor, Dana-Farber Cancer Institute, Mariela Jaskelioff, PhD, 2004-2011

Research Mentor, Dana-Farber Cancer Institute, Zhihu (Jeff) Ding, PhD, 2004-2011

Research Mentor, Dana-Farber Cancer Institute, Boyi Gan, PhD, 2006-2011

Research Mentor, Dana-Farber Cancer Institute, Haoqiang Ying, PhD, 2006-2011

Research Mentor, Clinical research, Dana-Farber Cancer Institute, Michelle Lee, MD, PhD, 2007-2010

Research Mentor, Dana-Farber Cancer Institute, Florian Muller, PhD, 2007-2011

Research Mentor, Dana-Farber Cancer Institute, Jian Hu, PhD, 2007-2011

Research Mentor, Dana-Farber Cancer Institute, Katherine Dunn, PhD, 2007-2011

Research Mentor, Dana-Farber Cancer Institute, Simona Colla, PhD, 2008-2011

Research Mentor, Dana-Farber Cancer Institute, Adam Boutin, PhD, 2008-2012

Research Mentor, Dana-Farber Cancer Institute, Sujun Hua, PhD, 2009-2011

Research Mentor, Clinical research fellowship, Dana-Farber Cancer Institute, Wei Wang, MD, 2009-2011

Research Mentor, Dana-Farber Cancer Institute, Andrea Viale, MD, 2009-2012

Research Mentor, Dana-Farber Cancer Institute, Xin Lu, PhD, 2010-2011

Research Mentor, Dana-Farber Cancer Institute, Derrick Ong, PhD, 2011

Clinical Residents and Fellows

N/A

Other Supervisory Teaching

N/A

CONFERENCES AND SYMPOSIA

Organization of Conferences/Symposia (Include chairing session)

National Cancer Institute, Mechanisms in B Cell Neoplasia, Session Chair, 1996

Foundation for Advanced Cancer Studies, Inc., 13th Annual Oncogene Meeting, Session Chair, 1997

American Association for Cancer Research, Telomerase Symposium, Chair, 1998

Foundation for Advanced Cancer Studies, Inc., 14th Annual Oncogene Meeting, Co-Organizer, 1998

American Association for Cancer Research, Conference on Mouse Models of Cancer, Co-Organizer, 1999

International Union of Biochemistry and Molecular Biology, 6th Annual IUBMB Symposium, Organizer & Chair, 1999

American Association for Cancer Research, Conference on Mouse Models of Cancer, Co-Organizer, 2000

Cold Spring Harbor Laboratory, Molecular Genetics of Aging, New York, NY, Co-Organizer, 2002
Forbeck Foundation, Thinktank, Co-Organizer, 2002
Keystone Symposia, Conference on Genomics and Genetics of Senescence and Cancer, Co-Organizer, 2002
Lustgarten Foundation, Pancreatic Cancer, Co-Organizer, 2002
American Association for Cancer Research, Conference on Mouse Models of Cancer, Co-Organizer, 2003
American Association for Cancer Research, Conference on Mouse Models of Cancer, Co-Organizer, 2006
American Association for Cancer Research, Annual Meeting (100th Anniversary), Chair and Co-Organizer, 2007
Cold Spring Harbor Laboratory, Mechanisms and Models of Cancer, Co-Organizer, 2008
1st Annual Symposium on Pancreatic Cancer, NIH & Pancreatic Cancer Moon Shots, Houston, TX, Organizer, 2/2018
Portugal Economic Forum, Portugal-US Chamber of Commerce, New York, NY, Moderator, 6/2018
MD Anderson Cancer Center, Genomic Medicine 2nd Annual Science Day, Houston, TX, Moderator, 8/2018
Society of Neuro-Oncology, 23rd Annual Meeting and Education Day, New Orleans, TX, Keynote Speaker, 11/2018
2nd Annual Symposium on Pancreatic Cancer, MD Anderson Cancer Center, Co-Chair, 2/2019
Impact Investing in Healthcare Innovation, Boundless Impact Investing, New York City, NY, Panelist, 4/2019

Presentations at National or International Conferences

Invited

Conference Lecture, General Motors Cancer Research Foundation, 1999
Keynote speaker, Global Oncology Research Meeting, Novartis/Dana Farber, 1999
Keynote speaker, New Member Symposium, American Society for Cancer Investigators, 1999
Graduate Program Forum Invited Speaker, University of Cincinnati, Cincinnati, OH, 2001
Telomeres and Telomerase in Tumorigenesis, Scholars in Cancer Research, Stony Brook, NY, 2001
Keynote speaker, Cancer Models Retreat, National Cancer Institute/SAIC, St. Michaels, MD, 2002
Keynote speaker, Society of Neuro-Oncology, Society of Neuro-Oncology, Orlando, FL, 2006
Grand Rounds, Center for Cancer Research, National Cancer Institute, Bethesda, MD, 2007
First Annual Harvard Medical School Symposium, Lisbon, Portugal, 2009
International Cancer Symposium, Copenhagen, Denmark, 2009
Keynote speaker, NCI 30th Anniversary Meeting, Chinese Academy of Medical Sciences, Beijing, China, 2009
Oncology Grand Rounds, Nevada Cancer Institute, Las Vegas, NV, 2009
Annual St. Jude Children's Research Hospital Biomedical Symposium, Memphis, TN, 2010
Inaugural James D. Watson Cancer Symposium, Suzhou, China, 2010
Keynote speaker, Translational Center Medicine, American Association for Cancer Research, San Francisco, CA, 2010

Genomics: Telomeres, Genomic Instability, and Mutational Evolution, ISREC, Lausanne, Switzerland, 9/8/2011

Genotoxic Stress Meets Mitochondria Integrating Aging Mechanisms, National Institute on Aging, National Institutes of Health, Bethesda, MD, 9/14/2011

DePinho RA. Telomeres in Aging and Cancer, MD Anderson Cancer Center, Center for Translational and Public Health, Houston, TX, 10/21/2011

The age of cancer: Can our understanding of the molecular circuitry of aging illuminate the path of prevention?, American Association for Cancer Research, Boston, MA, 10/22/2011

Cancer Genomics-based Mouse Models to Identify Novel Mechanisms of Drug Resistance, EORTC, NCI, ASCO, European Organization for Research and Treatment of Cancer, Brussels, Belgium, 10/29/2011

DePinho RA. Understanding and Learning from Early Stage Cancer, CPRIT Innovations in Cancer Research and Prevention Conference, Cancer Prevention and Research Institute of Texas, Austin, TX, 11/14/2011

Conquering Cancer, Global Academic Programs, Sun Yat Sen University Cancer Center, Guangzhou, China, 1/6/2012

The Telomere-mitochondrial Axis in Cancer and Aging, AACR, Chicago, IL, 4/1/2012

Need for close cooperation between Scientists and Pharma Industry, University of Copenhagen, Copenhagen, Denmark, 5/24/2012

Strategies for Stimulating Biomedical Innovation through Policy, Brookings Institute, Washington, DC, 6/27/2012

DePinho RA. Axis of Aging and Cancer, MD Anderson Cancer Center, The Rockefeller University, New York, NY, 9/7/2012

The Aging of Cancer: Can Our Understanding the Molecular Circuitry of Aging Illuminate the Path to Prevention, AACR - Frontiers in Cancer Prevention Symposium, Houston, TX, 10/1/2012

DePinho RA. The Age of Cancer, The Alexander Bodini Foundation, The American-Italian Cancer Foundation, New York, NY, 12/13/2012

DePinho RA. Aging and Cancer: Are we ready to deal with the reality?, MD Anderson Cancer Center, Houston, TX, 12/28/2012

Individual profiling of tumors - the future in drug development and multidisciplinary cancer treatment, Translations in Urologic Oncology, German Cancer Research Center (DKFZ), Heidelberg, Germany, 1/25/2013

Can aging be reversed?, Stem for Life Foundation, Neostem, Vatican City, Italy, 4/13/2013

Collateral lethality, AACR Special Conference: Synthetic Lethal Approaches to Cancer Vulnerabilities, American Association for Cancer Research, Bellevue, WA, 5/20/2013

Understanding and impacting aging and age-related disease, The University of Texas MD Anderson Cancer Center, Karolinska Institute, Stockholm, Sweden, 5/27/2013

DePinho RA. Barriers, Opportunities and Challenges to UT Academic-Industry Partnerships, Texas Fresh AIR, The University of Texas System, Austin, TX, 9/26/2013

Making cancer history, International Conference of Translational Research and Personalized Medicine in Cancer Care, China Medical University Hospital, Taichung, Taiwan, 11/23/2013

DePinho RA. MD Anderson's Cancer Center Moonshot Program: A goal-oriented, execution-oriented, cross-functional team collaboration to accelerate declines in cancer mortality, Oncology at the Limits, Heidelberg, Germany, 2/14/2014

DePinho RA. Making Cancer History, Rice University, BioHouston, Houston, TX, 2/21/2014

Comparative genomics and biology of prostate cancer, International Symposium on Systems Biology, Institute for System Biology, Seattle, WA, 4/14/2014

DePinho RA. Continuous Learning as an Executive Agenda Priority, Patient Centered Outcomes Research Institute, Institute of Medicine of the National Academies, Washington, DC, 6/20/2014

A new paradigm in oncology treatment, 2014 BIO International Convention, BIO Industry Organization, San Diego, CA, 6/24/2014

Keynote speaker, DKFZ-MDACC, German Cancer Research Center, Heidelberg, Germany, 10/9/2014

DePinho RA. Making Cancer History Together, MD Anderson Cancer Center Joint Conference on Gastric and Hereditary Cancer, Lisbon Academic Medical Center, Lisbon, Portugal, 11/20/2014

DePinho RA. Meet the Expert Session - Cancer Moon Shot Initiative: Accelerating Translation and Impact, American Association for Cancer Research, American Association for Cancer Research, Philadelphia, PA, 4/2015

DePinho RA. MD Anderson's Moon Shots Program: Transforming Cancer Prevention and Care, Foundation HealthCare, Becker's Healthcare, Chicago, IL, 5/7/2015

DePinho RA, Casper C, Drobac P, Perez E, Weil A. Panelist: Deep Dive: Breakthroughs in Cancer, Aspen Ideas Festival, Aspen Ideas Festival, Aspen, CO, 6/2015

Keynote Speech 3: Telomeres in Cancer and Aging, Society of Chinese Bioscientists in America, Society of Chinese Bioscientists in America, The 15th International Symposium, Taipei, Taiwan, 6/29/2015

Panelist: Mew War on Cancer, Weekend with Charlie Rose, ThinkBigLLC, Aspen, CO, 9/25/2015

Opening Remarks, Alexander Summit Oncology 2015, Alexandria Center for Life Science - New York City, New York, NY, 10/15/2015

Cancer Moon Shot - Making Cancer History, Tata Memorial Centre Platinum Jubilee, Tata Memorial Centre, Mumbai, India, 2/28/2016

Panelist: Searching for Dorian Gray, Third International Vatican Conference, Stem for Life Foundation, Vatican City, Italy, 4/30/2016

A Moon Shot to End Cancer, Cannes Lions Health Festival, Cannes Lions International Festival of Creativity, Cannes, France, 6/19/2016

Drugging Tumor suppressors: Collateral Lethality and Synthetic Essentiality, Swiss Cancer Center Lausanne, ISREC, Lausanne, Switzerland, 9/8/2016

What's next in cancer care?, Foundation Radiology Group, Becker's Healthcare, Chicago, IL, 11/8/2016

Panelist: Issues and Challenges of Immunotherapy, PMWC 2017 World Conference, PMWC, Mountain View, CA, 1/23/2017

Targeting Cancer Specific Vulnerabilities, Gordon Conference on Stem Cells and Cancer, Gordon Research Conferences, Lucca (Barga), Italy, 2/12/2017

Targeting Cancer-Specific Vulnerabilities, KICancer/StratCan Retreat, Karolinska Institutet, Stockholm, Sweden, 9/25/2017

Telomeres in Cancer, Aging and Degenerative Disease, Karolinska Institutet, Stockholm, Sweden, 9/25/2017

Targeting Cancer-Specific Vulnerabilities, Guangzhou International Symposium, Sun Yat-Sen University Cancer Center, Guangzhou, China, 11/2017

Ronald DePinho. Telomeres in Cancer, Aging, and Degenerative Disease, The Cold Spring Harbor Asia Conference on Aging & Cancer, Cold Spring Harbor Laboratory, Suzhou, China, 11/10/2017

Cancer Prevention is a Childcare Obligation, Fourth International Vatican Conference, Cura Foundation, Unite to Cure, Vatican City, Italy, 4/26/2018

Targeting Cancer-Specific Vulnerabilities, International Symposium in Biomedical Science, China Medical University, Taiwan, Taiwan, 6/30/2018

Alexandria Summit Meeting, Alexandria Summit Oncology 2018, Alexandria Summit Oncology 2018, New York, NY, 7/12/2018

Targeting Cancer-Specific Vulnerabilities, 5th Annual Meeting of the Mexican College for Cancer Research, Puebla, Mexico, 9/27/2018

Targeting Cancer Specific Vulnerabilities, Third International Conference on Cancer Precision Medicine, Shenzhen, China, 10/13/2018

World free of Cancers: The Wonder of Technological Transformations, The Ministry of Health and Indigenous Medicine, Colombo, Sri Lanka, 10/24/2018

Oncogenic Kras-Directed Immune Suppression Drive CRC Metastasis, Cancer Biology, Inaugural Symposium on Cancer Metastasis, Houston, TX, 3/4/2019

The Future of Health Education, The International Federation of Catholic Universities, Rome, Italy, 11/4/2019

GBM: Glioblastoma Macrophage, 24th Annual Meeting and Education Day, Society for NeuroOncology, Phoenix, AZ, 11/20/2019

Overcoming resistance to targeted therapies, 2019 Society for Neuro-Oncology Education Day, Society for NeuroOncology, Phoenix, AZ, 11/21/2019

Modeling and understanding tumor biologic mechanisms, AACR, San Diego, CA, 3/2/2020

Other, Including Scientific Exhibitions

Cancer moon shot points, Survivorship, Education and Institute for Applied Cancer Science, Making Cancer History Seminar, West Palm Beach, FL, 2/11/2012

Kras-directed Anabolic Process in PDAC Tumor Maintenance, AACR Special Conference on Pancreatic Cancer, AACR, Lake Tahoe, NV, 6/20/2012

Modeling telomere dynamics in cancer, American Association for Cancer Research, American Association for Cancer Research, Washington, DC, 4/2013

Ronald DePinho, MD, Gina Agiostratidou PhD, Richard Derman, MD, MPH, Michael Farkouh, MD. Global Approaches to a World Without Disease, Fourth International Vatican Conference, Cura Foundation, Stem for Life Foundation, STOQ Foundation, Vatican City, Italy, 4/26/2018

Ronald DePinho, Meredith Vieira, Kate Roberts, Julia Lourie. New Models of Philanthropy to Accelerate Progress in Curing and Preventing Disease, Fourth International Vatican Conference, Cure Foundation, Unite to Cure, Vatican City, Italy, 4/26/2018

KRas-mediated regulation of the tumor microenvironment, AACR pancreatic cancer conference, American Association for Cancer Research, Boston, MA, 9/23/2018

Targeting Cancer-Specific Vulnerabilities, AACR: Special Conference on Metabolism and Cancer, American Association for Cancer Research, New York, NY, 9/28/2018

Seminar Invitations from Other Institutions

Keynote speaker, Retreat Lecture, Wistar Institute, 1999

Keynote speaker, Oncogenes and Growth Control Meeting, Salk Institute, 1999

Keynote speaker, First Annual Melanoma Research Congress, Wistar Institute, Philadelphia, PA, 2003

William M. Landau Neuro-oncology Seminar, Washington University, St. Louis, MO, 2003
Director's Seminar, University of California, San Diego, San Diego, CA, 2006
Keynote speaker, Mouse Models of Cancer and Aging, Fred Hutchinson Cancer Center, Seattle, WA, 2006
President's Research Seminar, Memorial Sloan-Kettering Cancer Center, New York, NY, 2006
Mechanisms and Models of Cancer, Salk Institute, La Jolla, CA, 2007
Keynote speaker, Lineberger Comprehensive Cancer Center Symposium, University of North Carolina, Chapel Hill, NC, 2008
CSH Seminar Series, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, 2009
Director's Seminar, University of California, San Diego, San Diego, CA, 2009
Seminar Series, Herbert Irving Comprehensive Cancer Center, Columbia University, New York, NY, 2009
Graduate Student Seminar Series, Northwestern University, Chicago, IL, 2010
Understanding and Managing Early Stage Cancers, President's Lecture Series, Sanford-Burnham Medical Research Institute, La Jolla, CA, 2/28/2012
Telomere Checkpoint Circuitry in Cancer and Aging, Gordon Research Conference, Stanford University, Biology, Ventura, CA, 3/26/2012
Panelist: Strategies for Stimulating Biomedical Innovation through Policy, Engleberg Center for Health Care Reform at Brookings, The Brookings Institution, Washington, DC, 6/27/2012
Axis of Aging and Cancer, Rockefeller University, New York, NY, 9/7/2012
Conquering Cancer, Fordham University, New York, NY, 9/19/2012
MD Anderson Cancer Center Overview and Moonshot Initiative, Tianjin Medical University Cancer Institute & Hospital, Tianjin Medical University Cancer Institute & Hospital and The University of Texas MD Anderson Cancer Center, Beijing, China, 9/15/2013
Telomeres in aging and cancer, PM Seminar Series, Princess Margaret Hospital, Toronto, Canada, 1/30/2014
Cancer and Aging, Virginia Tech Carilion Research Institute, Roanoke, VA, 5/22/2014
Telomeres in Cancer and Aging, Icahn School of Medicine at Mount Sinai, Oncological Sciences, New York, NY, 3/10/2015
Turning the Tables on Cancer, The University of Texas, The University of Texas, Austin, TX, 5/8/2015
MD Anderson Cancer Center: Making Cancer History, Alleanza Contro il Cancro (ACC) and MD Anderson Cancer Center, MD Anderson Cancer Center, Rome, Italy, 5/2/2016
Targeting Cancer-Specific Vulnerabilities, Sanford Burnham Prebys Visit/President's Lecture Series Talk, La Jolla, CA, 12/12/2017
Targeting Cancer-Specific Vulnerabilities, University of Arizona Cancer Center, Tucson, AZ, 2/1/2018
Targeting Cancer Specific Vulnerabilities, Baylor College of Medicine, Department of Molecular and Cellular Biology, Houston, TX, 5/16/2018
Targeting Cancer Specific Vulnerabilities, University of California San Diego, Department of Cellular and Molecular Medicine, La Jolla, CA, 6/4/2018
Targeting Cancer-Specific Vulnerabilities, 4th Cancer Metabolism Symposium, Sanford Burnham Prebys Medical Discovery Institute, La Jolla, CA, 6/20/2018
Targeting Cancer Specific Vulnerabilities, NYU Langone Health, Perlmutter Cancer Center, New York, NY, 11/20/2018

50% of Cancers Are Preventable: Find out How, Lake Nona Institute, Lake Nona Impact Forum, Orlando, FL, 2/21/2019

Prostate Tumor Biology, Coffey-Holden Prostate Cancer Academy, Prostate Cancer Foundation, Los Angeles, CA, 6/20/2019

Targeting Cancer Specific Vulnerabilities, Baylor College of Medicine, Houston, TX, 2/10/2020

Targeting The Tumor Microenvironment, Albert Einstein Cancer Center's Distinguished Lecture Series, Infectious Disease and Department of Molecular Pharmacology, Houston, TX, 6/10/2020

Lectureships and Visiting Professorships

Distinguished Lecture, University of Pittsburgh, Pittsburgh, PA, 1998

Distinguished Lecture, University of Texas Southwestern Medical Center, Dallas, TX, 1998

Distinguished Lecture, The Cancer Institute of New Jersey, New Brunswick, NJ, 1999

Distinguished Lecture, Massachusetts General Hospital, Boston, MA, 1999

Distinguished Lecture, Brown University, Providence, RI, 1999

28th Carl V. Moore Memorial Lecture, Washington University, St. Louis, MO, 2000

Distinguished Lecture, Baylor University, Waco, TX, 2000

Susan Swerling Lecture, Dana-Farber Cancer Institute, Boston, MA, 2000

ASCI Award Presentation and Lecture, American Society for Clinical Investigation, Chicago, IL, 2002

Bayer Distinguished Lectureship, University of California at Berkeley, Berkeley, CA, 2002

Distinguished Lecture, Harvard School of Public Health, Boston, MA, 2002

Distinguished Lecture, Fox Chase Cancer Center, Philadelphia, PA, 2002

The Herman Beerman Lectureship, Annual Meeting of the Society of Investigative Dermatology, Los Angeles, CA, 2002

Distinguished Lecturer, Lawrence Berkeley National Laboratory, San Francisco, CA, 2003

G.H.A. Clowes Memorial Lecture, American Association for Cancer Research, 2003

Harrison Society Visiting Professor, Vanderbilt University, Nashville, TN, 2003

James C. White Annual Lectureship in Neuro-oncology, Massachusetts General Hospital, Boston, MA, 2003

John B. Little Lectureship, Harvard School of Public Health, Boston, MA, 2003

Peter A. Steck Memorial Lecture, MD Anderson Cancer Center, Houston, TX, 2003

ASCO Presidential Forum Lecture, American Society for Clinical Oncology, New Orleans, LA, 2004

Dean's Lecture, Mount Sinai School of Medicine, New York, NY, 2004

Hirschl Lecture, Albert Einstein College of Medicine, Bronx, NY, 2004

Orrin Ingram Distinguished Lecture, Vanderbilt University, Nashville, TN, 2005

Peacock Memorial Lecturer in Pathology, University of Texas Southwestern Medical Center, Dallas, TX, 2005

Biomedicum Helsinki Lecture, Biomedicum, Helsinki, Finland, 2007

Harvey Society Lecture, Rockefeller University, New York, NY, 2007

NYU Honors Program Lecture, New York University, New York, NY, 2007

Blaffer Lecture, MD Anderson Cancer Center, Houston, TX, 2008

Distinguished Lecture, Harvard School of Public Health, Boston, MA, 2008

Elizabeth Weitzenhoffer Blass Lecture in Cancer Genetics, Winthrop P. Rockefeller Cancer Institute, University of Arkansas for Medical Sciences, Little Rock, AR, 2008

Pendleton Memorial Lecture, Virginia Commonwealth University, Richmond, VA, 2008

Albert Szent-Györgyi Prize Lecture, The Szent-Györgyi Prize for Progress in Cancer Research, New York, NY, 2009

Lecture, Instituto Gulbenkian de Ciencia, Lisbon, Portugal, 2009

Samuel Waxman Lecture Series, Mt. Sinai Medical Center, New York, NY, 2010

NIH Directors' Lecture Series, Telomeres in Aging and Cancer, The Johns Hopkins University School of Medicine, Washington, DC, 9/14/2011

Benvenuto Memorial Lecture, Telomeres: Taming Time's Winged Chariots, MD Anderson Cancer Center, Houston, TX, 2/1/2012

Understanding and Managing Early Stage Cancers, The Coffee Lectureship, Urologic Oncology/Society for Basic Urologic Research, San Diego, CA, 5/4/2012

Conquering Cancer, Fordham University Science Council Fall Lecture, Fordham University, New York, NY, 9/19/2012

The Julia Hudson Freund Memorial Lectureship, Telomeres in Cancer and Aging, Washington University, St. Louis, MO, 4/18/2013

Distinguished Green Lecture Series, Modeling Prostate Cancer Progression, University of Texas-Dallas, Dallas, TX, 5/6/2013

Mouse development, stem cells and cancer, 2013 CSHL Mouse Development, Stem Cells and Cancer Course, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, 5/21/2013

Telomere dynamics and genome instability in driving cancer cell vulnerabilities, Eighth Annual Predictive Health Symposium, Emory University School of Medicine, Atlanta, GA, 5/22/2013

Cori Lecture, Telomeres in Cancer and Aging, Roswell Park Cancer Institute, Buffalo, NY, 8/27/2013

Modeling, understanding, and treating cancer, Abramson Family Cancer Research Institute, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, 4/5/2016

Telomeres in Cancer and Aging, 2016 Malkin -Kraft Lectureship, Robert H. Lurie Comprehensive Cancer Center of Northwestern University, Chicago, IL, 5/24/2016

Targeting Tumor Suppressors, Feinstein Academy of Scholars Inaugural Symposium, New York, NY, 5/2017

Targeting Cancer-Specific Vulnerabilities, PCF Annual Scientific Retreat, Prostate Cancer Foundation, Santa Monica, CA, 10/7/2017

Targeting Cancer-Specific Vulnerabilities, Gigi Shaw Symposium, Columbia University Medical Center, Department of Surgery, New York, NY, 10/16/2017

Targeting Cancer Specific Vulnerabilities, Prostate Moon Shot Seminar, MD Anderson Cancer Center, Houston, TX, 3/1/2018

Basic and Translational Cancer Research, Basic and Translational Cancer Research, MD Anderson Cancer Center, Experimental Oncology, Houston, TX, 3/19/2018

Schnog Lecture, Yale Cancer Center Grand Rounds, Yale Cancer Center, New Haven, NY, 5/14/2018

Targeting Cancer Specific Vulnerabilities, John H. Blaffer Lecture Series -Fall 2018, MD Anderson Cancer Center, Department of Genetics, Houston, TX, 9/25/2018

Targeting Cancer-Specific Vulnerabilities, 2018 Annual Scientific Meeting of the Society for Neuro-Oncology, Society for Neuro-Oncology, New Orleans, LA, 11/16/2018

Innovation and Opportunities in the U.S. Health Field, 2019 U.S. China Innovation and Investment Summit, U.S. CHINA Innovation Alliance, Houston, TX, 5/16/2019

Bridging the Knowing-Doing Gap in Cancer, Healthcare Think Tank, Houston, TX, 7/10/2019

Targeting the GBM Tumor Microenvironment, Neurosurgery Grand Rounds, Montefiore Medical Center, Department of Neurological Surgery, Bronx, NY, 9/12/2019

Targeting Cancer-Specific Vulnerabilities, MCO/CBP Distinguished Scientist Seminar Series, MD Anderson Cancer Center, Molecular and Cellular Oncology, Houston, TX, 10/2/2019

Targeting Circuits in the Tumor Microenvironment, Department of Cancer Biology Seminar Series, MD Anderson Cancer Center, Cancer Biology, Houston, TX, 5/13/2020

Other Presentations at State and Local Conferences

First Student Invited Speaker, Cancer Biology Program, University of Massachusetts Medical Center, Worcester, MA, 2008

Combined Pathology Grand Rounds, Harvard, Boston, MA, 2009

Keynote speaker, Cancer Center Day, University of Texas Medical Branch, Galveston, TX, 2009

Telomeres in Aging and Cancer, The University of Texas MD Anderson Cancer Center, Houston, TX, 10/21/2011

Understanding and Learning from Early Stage Cancer, CPRIT, CPRIT, CPRIT, Houston, TX, 11/15/2011

Keys to a Productive and Sustainable Career, PIONEERS, The University of Texas MD Anderson Cancer Center, Houston, TX, 12/21/2011

Understanding and Managing Early Stage Disease, ERO seminar, The University of Texas MD Anderson Cancer Center, Houston, TX, 1/5/2012

Keynote speaker, MD Anderson Cancer Center and Baylor College of Medicine, MD Anderson Cancer Center, Houston, 1/20/2012

Telomeres: Taming Time's Winged Chariots, Benvenuto Memorial Lecture, 2/1/2012

Using Animals for Finding New Targets, UK/MDACC Workshop, The University of Texas MD Anderson Cancer Center, 2/27/2012

Telomere Checkpoint Circuitry in Cancer and Aging, Gordon Conference, Ventura, CA, 3/26/2012

Aging and Cancer, MDACC Graduate Medical Education Core Curriculum Lecture Series, The University of Texas MD Anderson Cancer Center, Houston, 4/23/2012

The Best Science I Know, McKesson Specialty Health, US Oncology Research, Dallas, TX, 9/20/2012

DePinho RA. UTSW Grand Rounds: Understanding and Managing Early Stage Cancers, University of Texas Southwestern, Dallas, TX, 11/2/2012

Collateral lethality, The 2013 Miami Winter Symposium, Nature Biotechnology, Nature Medicine and Nature Cell Biology, Sylvester Comprehensive Cancer Center and Scripps Florida, Biochemistry and Molecular Biology, Miami Beach, FL, 2/11/2013

Curing cancer; the next Moonshot, Aspen Ideas Festival, Aspen Institute, Aspen Institute, Aspen, CO, 7/1/2013

Making cancer history through collaboration, Bringing the future of oncology to practice now, MD Anderson Cancer Center and MD Anderson Physicians Network Symposium, The University of Texas MD Anderson and MD Anderson Physicians Network, Orlando, FL, 7/27/2013

Barriers, opportunities and challenges to UT academic-industry partnerships, Inaugural FreshAIR Roundtable, The University of Texas, The University of Texas, Austin, TX, 9/26/2013

Modeling Cancer, Translating Discovery, Symposium on the Future of Cancer Science, The Texas Healthcare and Bioscience Summit: Steering Texas to Greatness, Austin, TX, 6/4/2014

DePinho RA. Mouse Models of Human Cancer Consortium Steering Committee, Uses of GEM models for translational cancer research, National Cancer Institute, Rockville, MD, 6/19/2014

Driving innovation with data integration and imaging, Workshop on Current Topics in Cancer Systems Biology: Multi-Scale Imaging for Cancer Biology, Houston Methodist Research Institute, Houston, TX, 9/18/2014

The Future of Oncology; The Coming Decade in Oncology Research, Treatments and Policy, CEO Connections Summit, SVLSA CEO Connections Summit, Laguna Beach, CA, 4/16/2015

The Healthcare Revolution, Microsoft, Seattle, WA, 5/14/2015

Panelist: Innovation on a Global Scale, THBI Policy Briefing, Texas Health & Bioscience Institute, Austin, TX, 3/11/2016

Panelist: Ensuring Impactful Translation of Cancer Research, National Cancer Moonshot Roundtable: Overcoming Barriers to Progress in Cancer Research, American Cancer Society, American Cancer Society Cancer Action Network, Austin, TX, 8/16/2016

Panelist: A Cure for Cancer, 2016 Texas Tribune Festival, SXSW, Texas Tribune, Austin, TX, 9/24/2016

Targeting Tumor Suppressors, 2016 Cancer Biology Program Fall Retreat, Department of Cancer Biology, The University of Texas MD Anderson Cancer Center, Cancer Biology, Galveston, TX, 10/29/2016

Panelist: Connect to End Cancer, SXSW 2017, Austin, TX, 3/12/2017

Targeting Tumor Microenvironment Interactions, 2nd Annual Symposium on Pancreatic Cancer, Cancer Biology, MD Anderson Cancer Center, Cancer Biology, Houston, TX, 2/25/2019

Dr. Ronald DePinho. Targeting Cancer Specific Vulnerabilities, Distinguished Lecture Series, Experimental Therapeutics, Developmental Therapeutics Program, Experimental Therapeutics, Houston, TX, 4/24/2019

Ronald. Genomics Metabolomics Axis in Cancer, Targeting Cancer Specific Vulnerabilities, 8th Annual Metabolism in Cancer Symposium, Cancer System Imaging, Houston, TX, 9/19/2019

Symbiotic macrophage-glioma synthetic lethal interactions in PTEN null glioma, PTEN and Its Pathways, Beth Israel Deaconess Medical Center, Boston, MA, 9/24/2019

Bridging the Knowing-Doing Gap in Cancer Prevention, North Texas Healthcare Think Tank Luncheon, BKD CPAs & Advisors, Healthcare Think Tank, LLC, Dallas, TX, 12/3/2019

Bridging the Knowing-Doing Gap in Cancer Prevention, SAHTT December 2019 Holiday Luncheon, BKD CPAs & Advisors, Healthcare Think Tank, San Antonio, TX, 12/9/2019

PROFESSIONAL MEMBERSHIPS/ACTIVITIES

Professional Society Activities, with Offices Held

National and International

American Association for the Advancement of Science
Member, 1986-present

American Association for Cancer Research
Member, 1992-present
Education Committee, 1997
Board of Directors, 2001-2004
Chair, Centennial Meeting, 2007

American Society for Clinical Investigation
Member, 1999-present

Institute of Medicine
Chair, Section 2, Membership Committee, 2007-2010
Vice-Chair, Section 2, Membership Committee

National Cancer Institute
Co-Chair, External Advisory Board, The Human Cancer Genome Atlas (TCGA) Project,
2008

Member - Steering Committee, 2013

American Academy of Arts and Sciences
Member, 2010-present

American Society of Clinical Oncology
Member, 2012-present

National Academy of Sciences
Member, 2/2012-present

Local/State

The Harvey Society
Member, 1995-1998

Houston Technology Center, Houston, TX
Board of Directors, 3/2012-2015

UNIQUE ACTIVITIES

N/A

DATE OF LAST CV UPDATE

7/29/2020