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Education:

Ph.D. (1998 – 2003)

Department of Biochemistry, Boston University School of Medicine, Boston, USA,
Laboratory of Dr. Zhixiong James Xiao
Major: Biochemistry

M.S. (1993 - 1996)

Department of Biotechnology, Sichuan University, China, Laboratory of Dr. Yizheng Zhang
Major: Genetics

B.S. (1985 – 1989)

Department of Biology, Sichuan University, China
Major: Biochemistry

Professional Experience:

Assistant Professor (2010.08 –)

Cold Spring Harbor Laboratory, Cold Spring Harbor NY

Instructor of Medicine (2008.01 – 2010.07)

The Dana-Farber Cancer Institute/Harvard Medical School, Laboratory of Dr. Ronald A. DePinho, Boston MA

Postdoctoral Research Fellow (2003.09 – 2008.01)

The Dana-Farber Cancer Institute/Harvard Medical School, Laboratory of Dr. Ronald A. DePinho, Boston MA

Lecturer (1996.07 – 1998.08)

College of Biological Science, Sichuan University, Chengdu, China

Instructor (1989.07 – 1993.08)

Department of Basic Science, Sichuan Agricultural University, Yaan, China

Awards and Fellowship:

Sontag Distinguished Scientist Award (2013-2017)

The Sontag Foundation

Martin D. Abeloff, M.D. V Scholar Award (2011-2013)

The V Foundation

Kimmel Scholars Award (2011 - 2013)

The Sidney Kimmel Foundation for Cancer Research

Peter Steck Memorial Young Investigator Award (2010)

The University of Texas M. D. Anderson Cancer Center (supported by Pediatric Brain Tumor Foundation), Houston TX

Helen Hay Whitney Foundation Postdoctoral Research Fellowship (2004 - 2007)

Helen Hay Whitney Foundation

Dean's Award (2002)

Boston University, Boston MA

Henry I. Russek Student Achievement Award (2002)

Boston University, Boston MA

Evans Award (2001)

Evans/Medicine Research Poster Competition, Boston University, Boston MA

Quanxin Graduate Research Fellowship (1994 – 1995)

Sichuan University, Chengdu, China

Guanghua Fellowship (1986 - 1988)

Sichuan University, Chengdu, China

The 1st Annual National High School Olympic Competition on Physics Award, China, (1984)

Publications:

1. Klingler S., Guo B., Yao J., Yan H., Zhang L., Vaseva AV., Chen S., Canoll P., Horner JW., Wang YA., Paik JH., Ying H., **Zheng H.** (2015) Development of resistance to EGFR targeted therapy in malignant glioma can occur through EGFR dependent and independent mechanisms. *Cancer Research* **75**:2109-19.
2. 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. (2013) From the Cover: Neutralization of terminal differentiation in gliomagenesis. *Proceedings of the National Academy of Sciences*. **110**:14520-7.
3. Zhang Y., Shin SJ., Liu D., Ivanova E., Foerster F., Ying H., **Zheng H.**, Xiao Y., Chen Z., Protopopov A., DePinho RA., Paik JH. (2013) ZNF365 promotes stability of fragile sites and telomeres. *Cancer Discov.* **3**:798-811.
4. Genovese G., Ergun A., Shukla SA., Campos B., Hanna J., Ghosh P., Quayle SN., Rai K., Colla S., Ying H., Wu CJ., Sarkar S., Xiao Y., Zhang J., Zhang H., Kwong L., Dunn K., Wiedemeyer WR., Brennan C., **Zheng H.**, Rimm DL., Collins JJ., Chin L. (2012) microRNA Regulatory Network Inference Identifies miR-34a as a Novel Regulator of TGF- β Signaling in Glioblastoma. *Cancer Discov.* **2**:736-749.
5. 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. (2012) Oncogenic Kras maintains pancreatic tumors through regulation of anabolic glucose metabolism. *Cell*. **149**:656-70.
6. 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. (2011) PTEN is a major tumor suppressor in pancreatic ductal adenocarcinoma and regulates an NF- κ B-cytokine network. *Cancer Discov.* **1**:158-69.
7. 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. (2011) SMAD4-dependent barrier constrains prostate cancer growth and metastatic progression. *Nature*. **470**:269-73.
8. Gan B., Lim C., Chu GC., 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 Jr., Signoretti S., DePinho RA. (2010) FoxOs Enforce a Progression Checkpoint to Constrain mTORC1-Activated Renal Tumorigenesis. *Cancer Cell*. **18**:472-84.

9. **Zheng H.***, Ying H*, Wiedemeyer R., Yan H., Quayle SN., Ivanova EV., Paik JH., Zhang H., Xiao Y., Chheda MG., Perry SR., Brennan C., Hahn WC., Wang YA., Chin L., DePinho RA. (2010) PLAGL2 Regulates Wnt Signaling to Impede Differentiation in Neural Stem Cells and Gliomas. *Cancer Cell*. **17**:497-509. (*Co-1st author.)
10. Ying H.*, **Zheng H.***, Scott K., Wiedemeyer R., Yan H., Huang J., Dhakal S., Lim C., Ivanova EV., Xiao Y., Stommel JM., Paik JH., Chen A., Lee M., Segatto O., Wang YA., Chin L., DePinho RA. (2010) MIG6 regulates EGFR trafficking and represses malignant glioma pathogenesis. *Proceedings of the National Academy of Sciences*. **107**:6912-7. (*Co-1st author.)
11. Paik JH., Ding Z., Narurkar R., Ramkissoon S., Muller F., Kamoun WS., Chae S., **Zheng H.**, Ying H., Mahoney J., Hiller D., Jiang S., Protppopov A., Wong WH., Chin L., Ligon KL., DePinho RA. (2009) FoxOs cooperatively regulate diverse pathways governing neural stem cell homeostasis. *Cell Stem Cell*. **5**:540-53.
12. **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 (2008) P53 and Pten Control Neural and Glioma Stem/Progenitor Cell Renewal and Differentiation. *Nature*. **455**:1129–1133. (*Co-1st author.)
13. **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. (2008) 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.
14. Kimmelman AC., Hezel AF., Aguirre AJ., **Zheng H.**, Paik J., 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 M., Redston M., Protopopov A., Xiao Y, Futreal PA., Hahn WC., Klimstra DS., Chin L., DePinho RA (2008) Genomic alterations link Rho family of GTPases to the highly invasive phenotype of pancreas cancer. *Proceedings of the National Academy of Sciences*. **105**:19372-7.
15. Wiedemeyer R., Brennan C, Heffernan TP., Xiao Y, Mahoney J., Protopopov A., **Zheng H.**, Bignell G., Furnari F., Cavenee WK., Hahn WC., Ichimura K., Collins VP., Chu GC., Stratton MR., Ligon KL., Futreal PA., Chin L (2008) Feedback Circuit among INK4 Tumor Suppressors Constrains Human Glioblastoma Development. *Cancer Cell*. **13**:355-64.
16. Sdek P., Ying H., Chang DL., Qiu W., **Zheng H.**, Touitou R., Allday MJ., Xiao Z-X (2005) MDM2 promote proteasome-dependent ubiquitin-independent degradation of retinoblastoma protein. *Molecular Cell*. **20**:699-708.
17. Ying H., Chang DL., **Zheng H.**, McKeon F., Xiao Z-X. (2005) DNA-Binding and transactivation activities are essential for Tap63 protein degradation. *Molecular and Cellular Biology*. **25**:6154-6164.
18. Sdek P., Ying H., **Zheng H.**, Margulis A., Tang X., Tian K., Xiao Z-X. (2004) The Central Acidic Domain of MDM2 Is Critical in Inhibition of Retinoblastoma-mediated Suppression of E2F and Cell Growth. *Journal of Biological Chemistry*. **279**: 53317-22.
19. Gu L., Ying H., **Zheng H.**, Murray SA., Xiao Z-XJ. (2003) The MDM2 RING finger is required for cell cycle-dependent regulation of its protein expression. *FEBS Letter*. **544**:218-222.
20. **Zheng H.**, You H., Zhou XZ., Murray SA., Uchida T., Wulf G., Gu L., Tang X., Lu KP., Xiao Z-X. (2002) The prolyl isomerase Pin1 is a regulator of p53 in genotoxic response. *Nature*. **419**:849-853.

21. Gu L., **Zheng H.**, Murray SA., Ying H., Xiao Z-X. (2003) Deregulation of Cdc2 kinase induces caspase-3 activation and apoptosis. *Biochemical and Biophysical Research Communications*. **302**:384-391.
22. Murray SA., **Zheng H.**, Gu L., and Xiao Z-X. (2003) IGF-1 mediated activation of p53 and expression of p21 is required for protection from UV-induced apoptosis. *Oncogene*. **22**:1703-1711.
23. You H., **Zheng H.**, Murray SA., Qiang Y., Uchida T., Fan D., Xiao Z-X. (2002) IGF-1 induces Pin1 expression in promoting cell cycle S-phase entry. *Journal of Cellular Biochemistry*. **84**:211-216.
24. Wang Y., **Zheng H.**, Liu X., Zhang Y. (1998) High efficient expression in *Escherichia coli* of chitinase gene cloned from *Bacillus circulans* C-2. *Acta Biochimica et Biophysica Sinica*. **30**:352-356.
25. **Zheng H.**, Wang Y., Zhang Y. (1998) Molecular cloning of a chitinase gene from *Bacillus circulans* C-2. *Chinese Journal of Biotechnology*. **14**:28-32.
26. **Zheng H.**, Zhang W., Du L. (1997) Analysis of proteases associated with photo-system II particles. *Journal of Sichuan University*. **34**:245-248.