

欢迎访问南方医科大学基础医学院 | 南医首页



网站首页

学院概况

公告信息

科室介绍

教育教学

科研管理

学生工作

党建工作

周爱冬 教授

发布时间: 2018-11-27

基本信息



导师姓名: 周爱冬

技术职称: 教授

邮箱: adzhou927@hotmail.com

学术任职: 美国癌症协会 (AACR) 会员;

*Cancer Research; Journal of Neuro-oncology; Oncotarget; Cell Biology**International; Journal of Hematology & Oncology; Journal of Urology*等十余种国际专业期刊审稿人。

研究方向: 脑肿瘤发生、发展、以及耐药性的细胞和分子基础以及转化研究

个人简介

周爱冬, 男, 基础医学院细胞生物学教授, 博士生导师, 科室副主任 (科研)。2011年获中山大学博士学位, 在此期间主要从事非编码RNA-生研究。2012年至2018年任职于美国德克萨斯大学MD安德森癌症中心, 先后任postdoctoral fellow 和instructor, 在此期间主要从事胶质母细胞瘤化疗耐药性、以及乳腺癌脑转移的分子机理以及转化研究, 在*Nat Cell Biol, Cancer cell, Cancer Res, Embo Rep*等发表论文二十余篇, 多次参加AACR会议, 并受邀作主题发言。担任*Cancer Research*等十余种国际期刊的审稿人。

附:

本课题组诚聘博士后2名, 大体要求:

- (1) 已获得或近期即将获得博士学位, 年龄35周岁以下, 有细胞生物学、生化与分子生物学、肿瘤学等相关专业研究基础;
- (2) 以第一作者在SCI (IF>3)发表过研究论文;
- (3) 热爱科研、具有较强的团队意识, 能高质量地完成团队安排的科研工作;
- (4) 有良好的英文阅读、写作以及交流能力。

待遇:

- (1) 具体待遇请参考《南方医科大学博士后招聘公告》执行;
- (2) 课题组将额外提供丰厚的科研补贴和奖励, 并全力支持国家以及省市科研项目 and 人才计划的申报。

Email: aidern0927@smu.edu.cn, Tel: 020-61648214

获得奖励

1. Caroline Rose Fellowship奖, MD Anderson癌症中心 (2017)

代表性著作/论文

1. Li Ma^{1, †}, Kangyu Lin^{1, †}, Guoqiang Chang², Chen Yue¹, Qing Guo¹, Sicong Zhang¹, Yiwen Chen³, Tony T. Huang⁴, Aidong Zhou^{1, *}, Suyun H
Aberrant Activation of β -catenin Signaling Drives Glioma Tumorigenesis via USP1-mediated Stabilization of EZH2. *Cancer Res*, accepted, in pr
corresponding).

2. [Aidong Zhou](#). Targeting Protein Kinases for the Treatment of Glioblastoma Multiforme: Linking Basic Studies to Clinical Applications. *Curr Pharm Des* Nov 16;23(29):4290-4302. (*corresponding, invited review*)
3. [Aidong Zhou](#)¹, Kangyu Lin¹, Sicong Zhang^{1,2}, Li Ma^{1,3}, Jianfei Xue¹, Saint-Aaron Morris¹, Kenneth D Aldape⁴, and Suyun Huang^{1,2}. Gli1-induced deubiquitination of USP48 promotes glioma tumorigenesis by deubiquitinating and stabilizing Gli1. *EMBO Rep* (2017) 18, 1318-1330.
4. Sicong Zhang, Boxuan Zhao, [Aidong Zhou](#), Kangyu Lin, Shaoping Zheng, Zhike Lu, Yaohui Chen, Erik P. Sulman, Keping Xie, Oliver Bogler, Sadhan Majumde, Chuan He, Suyun Huang. M⁶A demethylase ALKBH5 Maintains Tumorigenicity of Glioblastoma Stem-like Cells by Sustaining FoxM1 Expression and Cell Proliferation Program. *Cancer Cell*, 2017, 31, 591–606 (Previewed by *Cancer Cell*, Highlighted by *Cancer Discovery*)
- [Aidong Zhou](#), Kangyu Lin, Sicong Zhang, Yaohui Chen, Nu Zhang, Jianfei Xue, Zhongyong Wang, Kenneth D. Aldape, Keping Xie, James Woodgett & Suyun Huang. High-level nuclear GSK3 β promotes tumorigenesis by phosphorylating KDM1A and inducing its deubiquitination of USP22. *Nat Cell Biol*. 2016 Sep;18(9):954-66. (Reported by BioCentury Innovation; highlighted and commented by *Neuro-Oncology* and *Can Res*)
- Jianfei Xue#, [Aidong Zhou](#)#, Yamei Wu#, Saint-Aaron Morris, Kangyu Lin, Samirkumar Amin, Roeland Verhaak, Gregory Fuller, Keping Xie, B. Heimberger, and Suyun Huang. miR-182-5p induced by STAT3 activation promotes glioma tumorigenesis. *Cancer Res*. 2016 76(14):304. (#equal contribution).
7. Chen Y, Yu Li, Xue J, Gong A, Yu G, [Zhou A](#), et al. Wnt-Induced Deubiquitination of FoxM1 Ensures Nucleus β -catenin Transactivation. *EMBO J*. 2015;35(6):668-84.
- Xue J, [Zhou A](#), Tan C, Wu Y, Lee HT, Li W, Xie K, Huang S. Forkhead Box M1 Is Essential for Nuclear Localization of Glioma-associated Oncogene Homolog 1 in Glioblastoma Multiforme Cells by Promoting Importin-7 Expression. *J Biol Chem*. 2015 Jul 24;290(30):18662-70.
9. Lee HT, Xue J, Chou PC, [Zhou A](#), Yang P, Conrad CA, Aldape KD, Priebe W, Patterson C, Sawaya R, Xie K, Huang S. Stat3 orchestrates interaction between endothelial and tumor cells and inhibition of Stat3 suppresses brain metastasis of breast cancer cells. *Oncotarget*. 2015 Apr 30;6(12):10016-29.
- Yu G#, [Zhou A](#)#, Xue J, Huang C, Zhang X, Kang SH, Chiu WT, Tan C, Xie K, Wang J, Huang S. FoxM1 promotes breast tumorigenesis by activating PDGF-A and forming a positive feedback loop with the PDGF/AKT signaling pathway. *Oncotarget*. 2015 May 10;6(13):11281-94 (#equal contribution)
- Gong AH, Wei P, Zhang S, Yao J, Yuan Y, [Zhou AD](#), Lang FF, Heimberger AB, Rao G, Huang S. FoxM1 Drives a Feed-Forward STAT3 Activation Signaling Loop That Promotes the Self-Renewal and Tumorigenicity of Glioblastoma Stem-like Cells. *Cancer Res*. 2015 Jun 1;75(11):2337-48.
- Jianfei Xue, Yaohui Chen, Yamei Wu, Zhongyong Wang, [Aidong Zhou](#), Sicong Zhang, Kangyu Lin, Kenneth Aldape, Sadhan Majumde, Zhimin Lu & Suyun Huang. Tumour suppressor TRIM33 targets nuclear β -catenin degradation. *Nat Commun*. 2015 Feb, 2; 6:6156.
- Zhang N, Wu X, Yang L, Xiao F, Zhang H, [Zhou A](#), Huang Z, Huang S. FoxM1 inhibition sensitizes resistant glioblastoma cells to temozolomide by downregulating the expression of DNA-repair gene Rad51. *Clin Cancer Res*. 2012;18(21):5961-71
14. [Aidong Zhou](#), Li-Ting Diao, Hui Xu, Zhen-Dong Xiao, Jun-Hao Li, Hui Zhou and Liang-Hu Qu*. β -catenin/LEF1 transactivates the microRNA-371-373 cluster and modulates the Wnt/ β -catenin signaling pathway. *Oncogene*. 2012 Jun 14;31(24):2968-78.
15. Lin K, Zhang X, Feng D, Zhang H, Zeng C, Han B, [Zhou A](#), Qu L, Xu L, Chen Y. miR-125b, a target of CDX2, regulates cell differentiation through repression of the transcription factor in hematopoietic malignancies. *J Biol Chem*, 2011 Nov 4; 286(44):38253-63.
- Rushi Liu#, [Aidong Zhou](#)#, Daolong Ren, et.al. Transcription factor specificity protein 1 (SP1) and activating protein 2a (AP-2a) regulate expression of human KCTD10 gene by binding to proximal region of promoter. *FEBS Journal*, 276 (2009) 1114–1124. (#equal contribution)
- [Zhou A](#), Zhou J, Yang L, Liu M, Li H, Xu S, Han M, Zhang J. A nuclear localized protein ZCCHC9 is expressed in cerebral cortex and suppresses the MAPK signal pathway. *J Genet Genomics*, 2008, 35(8): 467-72.
- Zhou J, Fan C, Zhong Y, Liu Y, Liu M, [Zhou A](#), Ren K, Zhang J. Genomic organization, promoter characterization and roles of Sp1 and AP-2a in the basal transcription of mouse PDIP1 gene. *FEBS Lett*. 2005 Mar 14; 579 (7):1715-22.

主持课题

序号	课题名称	项目来源	资助金额	起止年份
1	Fbx07-SCF介导的泛素化在基因可变剪接和胶质母细胞瘤发生中的作用和机制研究	国家自然科学基金	60万	2019-2022
2	高水平大学建设高层次人才引进	高水平大学建设高层次人才引进	300万	2018-2020

Copyright © 南方医科大学基础医学院 (粤ICP备05084331号)

网站维护: 南方医科大学网络中心