

Xianhui Ruan

Personal information

Postdoc in Department of Pathology, University of California San Diego, California

Graduate school: Tianjin Medical University

E-mail: tjruanxianhui@163.com, x7ruan@ucsd.edu

Tel: 00118613512984181, 8583492909

Education

2014.9-2016.7 Tianjin Medical University Master student of oncology

2016.9- 2019.7 Tianjin Medical University PhD student of oncology

2017.9- 2019.03 University of California, San Diego Joint PhD student

2019.9- University of California, San Diego Postdoctoral Fellow

Researches and skills

Researches

- Role of m6A/m1A RNA modification in Human Cancers.
- Functional study of the role of C14X gene in thyroid development and tumorigenesis.
- Anti-tumor mechanism of new target drug anlotinib on thyroid cancer.

Skills

Experimental skills: Tumor cell culture, RT -PCR, Western blot, Immunofluorescence, Flow cytometry (cell cycle and apoptosis detection); HE Staining, IHC, Gene knockout technology (Cas9) , Molecular cloning techniques.

Publications

1. **Xianhui Ruan**[#], Xianle Shi[#], Qiman Dong, Yang Yu, Xiukun Hou, Lingyi Chen, Ming Gao. Antitumor effects of anlotinib in thyroid cancer. *Endocrine Related Cancer* PMID: 30139768 (IF: 5.331)

2. Xiaomeng Li[#], **Xianhui Ruan**[#], Peitao Zhang, Yang Yu, Ming Gao, Shukai Yuan, Zewei Zhao, Jie Yang, Li Zhao. TBX3 promotes proliferation of papillary thyroid carcinoma cells through facilitating PRC2-mediated p57KIP2 repression. *Oncogene* PMID: 29511350 (IF: 7.51 Co-first author)

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3. Meng Shen[#], Chuan Dong[#], **Xianhui Ruan**, Wei Yan, Minghui Cao, Donald Pizzo, Xiwei Wu, Lin Yang, Liang Liu, Xiubao Ren, Shizhen Emily Wang. Chemotherapy-Induced Extracellular Vesicle miRNAs Promote Breast Cancer Stemness by Targeting ONECUT2. *Cancer Res.* PMID: 31118200. (IF: 9.130)
4. Chang Liu, Yang Yu, Guangliang Yin, Junxia Zhang, Wei Wen, **Xianhui Ruan**, Dapeng Li, Shuang Zhang, Wenjun Cai, Ming Gao, Lingyi Chen. C14orf93 (RTFC) is identified as a novel susceptibility gene for familial nonmedullary thyroid cancer *Biochem Biophysical Res Commun* PMID: 27864143 (IF:2.559)
5. Yang Yu, Chang Liu, Junxia Zhang, Mimi Zhang, Wei Wen, **Xianhui Ruan**, Dapeng Li, Shuang Zhang, Ming Gao, Lingyi Chen. Rtfc (4931414P19Rik) Regulates invitro Thyroid Differentiation and in vivo Thyroid Function. *Scitific Reports* PMID: 28230092 (IF: 4.259)
6. Xianle Shi, Zixi Yin, Lingling Wang, Bin Ling, **Xianhui Ruan**, Weiyu Zhang, Lingyi Chen. Rho differentially regulates the Hippo pathway by modulating the interaction between Amot and Nf2 in the blastocyst. *Development* PMID: 28947533 (IF: 5.413)
7. Liang Liu, Lin Yang, Wei Yan, Jing Zhai, DonaldP. Pizzo, Peiguo Chu, AndrewR. Chin, Meng Shen, Chuan Dong, Xianhui Ruan, Xiubao Ren, George Somlo and ShizhenEmily Wang. Chemotherapy Induces Breast Cancer Stemness in Association with Dysregulated Monocytosis. *Clinical Cancer Research* PMID: 29500278 (IF: 10.199)
8. Jiadong Chi, Xiangqian Zheng, Ming Gao, Jingzhu Zhao, Dapeng Li, Jiansen Li, Li Dong, **Xianhui Ruan**. Integrated microRNA-mRNA analyses of distinct expression profiles in follicular thyroid tumors. *Oncology letters* PMID: 29344146 (IF: 1.664)
9. Jingzhu Zhao, Xinwei Yun, **Xianhui Ruan**, Jiadong Chi, Yang Yu, Yigong Li, Xiangqian Zheng, Ming Gao. High expression of NUCB2 promotes papillary thyroid cancer cells proliferation and invasion. *Onco Targets and Therapy* PMID: 30863097 (IF: 2.656)
10. Xinyi Cao, Lin Dang, Xiangqian Zheng, Yi Lu, Yuemei Lu, Rongjie Ji, **Xianhui Ruan**, Jingtai Zhi, Xiukun Hou, Xianfu Yi, Mulin Li, Ming Gao, Lirong Zhang, Yupeng Chen. Targeting super-enhancer-driven oncogenic transcription by CDK7 inhibition in anaplastic thyroid cancer. *Thyroid* (Accepted) (IF: 7.557)