

## Curriculum Vitae

### 1. Personal details:

**Name:** Renyi Qin

**Titles:** MD, PhD, FACS, Professor, Chief physician

### 2. Training / Education:

- Bachelor of medicine in Guiyang Medical College, Guizhou, China, 1981-1986.
- MD & PhD in General Surgery, Zhejiang University School of Medicine, 1990-1995.
- Post-doctoral research in Affiliated Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, 1995-1997.
- The research of minimally invasive surgery in United Christian Hospital of Hong Kong, 2000-2001.
- The surgical senior visiting scholar in University of Freiburg, University of Ulm of German, 2002-2003.
- Surgical treatment of pancreatic and biliary cancer. (**Laparoscopic Pancreaticoduodenectomy, Laparoscopic Radical resection of hilarcholangiocarcinoma, etc.**). 2001- Present.

### Professional appointments:

- The Vice Chairman of China Abdominal Tumors Association of Medicine Education.
- The vice director of minimally invasive group of Pancreatic Cancer committee of Chinese Anti-Cancer Association.
- The group leader of The Chinese pancreas disease of minimally invasive treatment group.
- The committee member of Pancreatic Disease branch of China International Exchange and Promotive Association for Medical and Health Care.
- Fellow of the American College of Surgeons. 2014- Present.
- The Director of General Supervision of Operation, Affiliated Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology. 2012- Present.
- The Director of Department of Biliary-Pancreatic Surgery, Affiliated Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology. 2009- Present.
- Professor of General Surgery, Department of Biliary-Pancreatic Surgery, Affiliated Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology. 2001- Present.
- Associate Professor of General Surgery, Department of Biliary-Pancreatic Surgery, Affiliated Tongji



Hospital, Tongji Medical College, Huazhong University of Science and Technology. 1997- 2001.

- The committee member of international Hepato-Pancreato-Biliary Association.
- The standing committee member of Pancreatic Cancer committee of Chinese Anti-Cancer Association.
- The assessment expert of The National Natural Science Foundation of China.
- The assessment expert of The Project Sponsored by the Scientific Research Foundation for the Returned Overseas Chinese Scholars, State Education Ministry.
- The assessment expert of Ministry of Education Science and Technology Award.
- The committee member of Chinese Society of Surgery, Chinese Medical Association.
- The committee member of Group of Pancreas Surgery, Chinese Society of Surgery, Chinese Medical Association.
- The standing committee member of General Surgery branch, Hubei Medical Association.
- The vice-group leader of Group of Pancreas Surgery, Hubei Medical Association.
- The vice-chairmen of Hubei Institute of pancreatic diseases.
- The editorial board member of Chinese Journal of Experimental Surgery.
- The editorial board member of Chinese Journal of Surgery.
- The editorial board member of Chinese Journal of Pancreatology.
- The editorial board member of Chinese Journal of Digestive Surgery.
- The editorial board member of Chinese Journal of General Surgery.
- The editorial board member of Chinese Journal of Practical Surgery.
- The editorial board member of World Chinese Journal of Digestology.
- The standing editorial board member of Journal of Clinical Surgery.
- The editorial board member of Chinese Journal of Minimally Invasive Surgery.
- The editorial board member of Journal of laparoscopic surgery.
- The editorial board member of Department of Hepatobiliary Surgery Journal.

### 3. Research Funding:

- Mechanism of IL-18 induced Breg cell mediated development of chronic pancreatitis to pancreatic cancer. The National Natural Science Foundation of China (No. 81772950). 2018-2021. **Project leader: Renyi Qin**
- The effect of SSTR2-regulated Rho subfamily signal pathway on the mechanism of biological behavior and therapy target of pancreatic cancer. The National Natural Science Foundation of China (No. 81272659). 2013-2016. **Project leader: Renyi Qin**
- The functional analysis and bidirectional gene-protein mechanism research of specific microRNA of



cholangiocarcinoma stem cells. Key Projects of Science Foundation of Hubei Province (No. 2011CDA030).2012-2014. **Project leader: Renyi Qin**

- Identification and isolation of Cholangiocarcinoma stem cells, and the property and molecule mechanism of multidrug resistance. The National Natural Science Foundation of China (No. 81071775). 2011-2013. **Project leader: Renyi Qin**
- The effect of pancreaticoduodenectomy with extended lymph node dissection on survival time of pancreatic patients. National "Eleventh Five-Year" Scientific and Technological Support Projects (No. 2006BAI02A13-402). **Project leader: Renyi Qin**
- Identification and isolation of gallbladder carcinoma SP cells, and their related protein of immunogenicity of multidrug resistance. The National Natural Science Foundation of China (No. 30772127). 2008-2010. **Project leader: Renyi Qin**
- The exploration of nearly serological marker for diagnosis of pancreatic cancer with proteomic technology and Glycoprotein group policy. The National Natural Science Foundation of China (No. 30471963). 2005-2007. **Project leader: Renyi Qin**
- The treatment for pancreatic cancer by transfected SSTR2 though bidirectional biological magnetic nanoparticles and MUC1. The National Natural Science Foundation of China (No. 30271473). 2003-2005. **Project leader: Renyi Qin**

#### 4. Awards:

- The first prize of Science and Technology Progress Award of Hubei. Innovation of surgical treatment system and targeted therapy for biliopancreatic tumor.2017. **Project leader: Renyi Qin**
- The third prize of Science and Technology Progress Award of Chinese Medical Association. The effect of up-related SSTR2 on growth of pancreatic cancer cells.2005. **Project leader: Renyi Qin**
- The second prize of Science and Technology Progress Award of Hubei province. The second prize of Science and Technology Progress Award of Wuhan. The research of pathogenesis and interventional therapy of acute pancreatitis. **Project leader: Renyi Qin**
- The first prize of Science and Technology Progress Award of Wuhan. The basic and clinical research of pancreatic and biliary cancer.2014. **Project leader: Renyi Qin**
- Wuhan Ten Outstanding Youth Science and Technology Innovation Award
- National Utility Model Patent (No. ZL9428315.4), Ni-Ti memory alloy stent with titanium oxide package, **Project leader: Renyi Qin**
- The first prize of Science and Technology Progress Award of Zhejiang province. The basic and clinical research of application of Ni-Ti memory alloy stent with titanium oxide package on biliary tract. **Project leader: Renyi Qin**



- The first prize of Fa-zu qiu excellent medical paper. The experimental and clinical research of treatment of acute pancreatitis with ulinastatin with ulinastatin. **Project leader: Renyi Qin**
- The first prize of Hubei excellent science papers. Experimental research on the site of production and uptake of TNF in rats with acute necrotic pancreatitis. **Project leader: Renyi Qin**
- The second prize of Hubei excellent science papers. Influence of splanchnic vascular infusion on the content of endotoxins in plasma and the translocation of intestinal bacteria in rats with acute hemorrhage necrosis pancreatitis. **Project leader: Renyi Qin**
- National Utility Model Patent (No. 01250108.5). The T-type combined biliary drainage tube. **Project leader: Renyi Qin**
- The Award for the best young doctors of GlaxoSmithKline.

## 5. Publications:

- Wang M, Peng B, Liu J, Yin X, **Qin R**. Practice Patterns and Perioperative Outcomes of Laparoscopic Pancreaticoduodenectomy in China: A Retrospective Multicenter Analysis of 1029 Patients. *Ann Surg.* 2019 Jan 17.
- Chen H, Zhao C, He R, Zhou M, Liu Y, Guo X, Wang M, Zhu F, **Qin R**, Li X. Danthron suppresses autophagy and sensitizes pancreatic cancer cells to doxorubicin. *Toxicol In Vitro.* 2019 Feb;54:345-353.
- Yu S, Li X, Guo X, Zhang H, **Qin R**, Wang M. UCK2 upregulation might serve as an indicator of unfavorable prognosis of hepatocellular carcinoma. *IUBMB Life.* 2019 Jan;71(1):105-112.
- Chen H, He R, Shi X, Zhou M, Zhao C, Zhang H, **Qin R**. Meta-analysis on resected pancreatic cancer: a comparison between adjuvant treatments and gemcitabine alone. *BMC Cancer.* 2018 Oct 23;18(1):1034.
- Li X, Liang M, Jiang J, He R, Wang M, Guo X, Shen M, **Qin R**. Combined inhibition of autophagy and Nrf2 signaling augments bortezomib-induced apoptosis by increasing ROS production and ER stress in pancreatic cancer cells. *Int J Biol Sci.* 2018 Jul 27;14(10):1291-1305.
- He R, Shi X, Zhou M, Zhao Y, Pan S, Zhao C, Guo X, Wang M, Li X, **Qin R**. Alantolactone induces apoptosis and improves chemosensitivity of pancreatic cancer cells by impairment of autophagy-lysosome pathway via targeting TFEB. *Toxicol Appl Pharmacol.* 2018 Oct 1;356:159-171.
- Shi X, Guo X, Li X, Wang M, **Qin R**. Loss of Linc01060 induces pancreatic cancer progression through vinculin-mediated focal adhesion turnover. *Cancer Lett.* 2018 Oct 1;433:76-85.
- Shi X, Zhao Y, He R, Zhou M, Pan S, Yu S, Xie Y, Li X, Wang M, Guo X, **Qin R**. Three-lncRNA signature is a potential prognostic biomarker for pancreatic adenocarcinoma. *Oncotarget.* 2018 Feb 8;9(36):24248-24259.



- Shi XH, Li X, Zhang H, He RZ, Zhao Y, Zhou M, Pan ST, Zhao CL, Feng YC, Wang M, Guo XJ, **Qin R**. A Five-microRNA Signature for Survival Prognosis in Pancreatic Adenocarcinoma based on TCGA Data. *Sci Rep*. 2018 May 16;8(1):7638.
- Yu S, Wang M, Guo X, **Qin R**. Curcumin Attenuates Inflammation in a Severe Acute Pancreatitis Animal Model by Regulating TRAF1/ASK1 Signaling. *Med Sci Monit*. 2018 Apr 16;24:2280-2286.
- Zhao Y, Shen M, Feng Y, He R, Xu X, Xie Y, Shi X, Zhou M, Pan S, Wang M, Guo X, **Qin R**. Regulatory B cells induced by pancreatic cancer cell-derived interleukin-18 promote immune tolerance via the PD-1/PD-L1 pathway. *Oncotarget*. 2017 Dec 7;9(19):14803-14814.
- Xie Y, Zhang H, Guo XJ, Feng YC, He RZ, Li X, Yu S, Zhao Y, Shen M, Zhu F, Wang X, Wang M, Balakrishnan A, Ott M, Peng F, **Qin R**. Let-7c inhibits cholangiocarcinoma growth but promotes tumor cell invasion and growth at extrahepatic sites. *Cell Death Dis*. 2018 Feb 14;9(2):249.
- Diao H, Ye Z, **Qin R**. miR-23a acts as an oncogene in pancreatic carcinoma by targeting FOXP2. *J Investig Med*. 2017 Nov 14. pii: jim-2017-000598.
- Shi X#, Zhang H#, Wang M#, Xu X, Zhao Y, He R, Zhang M, Zhou M, Li X, Peng F, Shi C1, Shen M, Wang X, Guo X, **Qin R**. LncRNA AFAP1-AS1 promotes growth and metastasis of cholangiocarcinoma cells. *Oncotarget*. 2017 Apr 6;8(35):58394-58404.
- Guo X; Yu Y; Wang M; **Qin R**. Case report of a congenital duodenal transverse septum causing partial obstruction. *Medicine (Baltimore)*. 2017 Oct; 96(42): e7093.
- Wang M, Zhang H, Zhu F, Peng F, Wang X, Shen M, **Qin R**. Pancreaticoduodenectomy for borderline resectable pancreatic head cancer with a modified artery-first approach technique. *Hepatobiliary Pancreat Dis Int*. 2017 Apr;16(2):215-221.
- Xu XD, Zhao Y, Zhang M, He RZ, Shi XH, Guo XJ, Shi CJ, Peng F, Wang M, Shen M, Wang X, Li X(\*), **Qin R**(\*). Inhibition of Autophagy by Deguelin Sensitizes Pancreatic Cancer Cells to Doxorubicin. *Int J Mol Sci*. 2017.2.10. 18 ( 2 ) : 12~20
- Wang M, Xu S, Zhang H, Peng S, Zhu F, **Qin R**. Imbedding pancreaticojejunostomy used in pure laparoscopic pancreaticoduodenectomy for nondilated pancreatic duct. *Surg Endosc*. 2017; 31(4):1986-1992.
- Guo X (#), Zheng L(#), Jiang J(#), Zhao Y, Wang X, Shen M, Zhu F, Tian R, Shi C, Xu M, Li X, Peng F, Zhang H, Feng Y, Xie Y, Xu X, Jia W, He R, Xie C, Hu J, Ye D, Wang M(\*), **Qin, R**(\*). Blocking NF-kappaB Is Essential for the Immunotherapeutic Effect of Recombinant IL18 in Pancreatic Cancer. *Clin Cancer Res*. 2016.12.1. 22 ( 23 ) : 5939~5950
- Wang M#, Zhu F, Peng S, **Qin R**\*. Which is the Best Surgical Approach for the Pancreatic Cancer?A Classification of Pancreatic Cancer to Guide Operative Decisions is Needed. *Ann Surg*, 2016 Jan 5.
- Zhang H, Wu X, Zhu F, Shen M, Tian R, Shi C, Wang X, Xiao G, Guo X, Wang M, **Qin R**. Systematic review and meta-analysis of minimally invasive versus open approach for pancreaticoduodenectomy. *Surg*



Endosc. 2016; 30(12):5173-5184.

- Guo X, Zhu F, Wang M, **Qin R**. Laparoscopic Pancreaticoduodenectomy for the Management of Localized Crohn's Disease of the Duodenum. Indian J Surg. 2016; 78(4):331-3.
- Yin P, Wang M, **Qin R**(\*Co-first author), Zhang J, Xiao G, Yu H, Ding Z, Yu Y. Intraoperative endoscopic nasobiliary drainage over primary closure of the common bile duct for choledocholithiasis combined with cholecystolithiasis: a cohort study of 211 cases. Surg Endosc. 2016 Nov 18.
- Li X(#), Zhu F(#), Jiang J(#), Sun C, Zhong Q, Shen M, Wang X, Tian R, Shi C, Xu M, Peng F, Guo, X, Hu J, Ye D, Wang M(\*), **Qin R**(\*), Simultaneous inhibition of the ubiquitin-proteasome system and autophagy enhances apoptosis induced by ER stress aggravators in human pancreatic cancer cells., Autophagy, 2016.9.01, 12 (9) : 1521~1537 .
- Guo X (#), Wang M(#), Zhao Y, Wang X, Shen M, Zhu F, Shi C, Xu M, Li X, Peng F, Zhang H, Feng Y, Xie Y, Xu X, Jia W, He R, Jiang J, Hu J, Tian R(\*), **Qin R**(\*). Par3 regulates invasion of pancreatic cancer cells via interaction with Tiam1. Clin Exp Med. 2016.8.01. 16 (3) : 357~365.
- Xu XD, Hu J, Wang M, Peng F, Tian R, Guo XJ, **Qin R**(\*). Circulating myeloid-derived suppressor cells in patients with pancreatic cancer. Hepatobiliary Pancreat Dis Int. 2016.2.15. 15 (1) : 99~105.
- Li X(#), Zhu F(#), Jiang, J (#), Sun C, Wang X, Shen M, Tian R, Shi C, Xu M, Peng F, Guo X, Wang M(\*), **Qin R**(\*). Synergistic antitumor activity of withaferin A combined with oxaliplatin triggers reactive oxygen species-mediated inactivation of the PI3K/AKT pathway in human pancreatic cancer cells. Cancer Lett. 2015.2.1. 357 (1) : 219~230.
- Zhang H, Zhu F, Shen M, Tian R, Shi CJ, Wang X, Jiang JX, Hu J, Wang M, **Qin R**\*. Systematic review and meta-analysis comparing three techniques for pancreatic remnant closure following distal pancreatectomy. Br J Surg. 2015; 102(1):4-15.
- Wang M, Zhu F, Peng F, Tian R, Shi C, Xu M, Li X, Wang X, Shen M, **Qin R**\*. Great omentum binding: a simple technique to cover the pancreatic remnant after distal pancreatectomy. Journal of the American College of Surgeons. 2014; 219(2):e19-e23.
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- Xu M, Wang M, Zhu F, Tian R, Shi CJ, Wang X, Shen M, **Qin R**\*. A modified Roux-en-Y reconstruction after pancreaticoduodenectomy. Hepatobiliary Pancreat Dis Int. 2014 Dec;13(6):649-53.
- Peng F(#), Jiang J(#), Yu Y(#), Tian R, Guo X, Li X, Shen M, Xu M, Zhu F, Shi C, Hu J, Wang M(\*), **Qin R**(\*). Direct targeting of SUZ12/ROCK2 by miR-200b/c inhibits cholangiocarcinoma tumorigenesis and metastasis. British Journal of Cancer. 2013.12.10. 109 (12) : 3092~3104.
- Zhu F, Wang M, Wang X, Tian R, Shi C, Xu M, Shen M, Han J, Luo N, **Qin R**(\*). Modified technique of pancreaticogastrostomy for soft pancreas with two continuous hemstitch sutures: a single-center prospective study. J Gastrointest Surg. 2013; 17(7):1306-11.

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- Guo Xi (#), Wang M(#), Jiang J, Xie C, Peng F, Li X, Tian R(\*), **Qin, R(\*)**. Balanced Tiam1-Rac1 and RhoA Drives Proliferation and Invasion of Pancreatic Cancer Cells. *Molecular Cancer Research*. 2013.3.01. 11 (3) : 230~239.
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- Wang M, Xiao J, Jiang J, **Qin R\***. CD133 and ALDH may be the molecular markers of cholangiocarcinoma stem cells. *Int J Cancer*. 2011;128(8):1996-7.
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- Zhang J, Gao J, Tan X, Wang M, **Qin R**. Effects of down-regulation of integrin-beta1 expression on migration and hepatic metastasis of human colon carcinoma. *J Huazhong Univ Sci Technolog Med Sci*. 2010;30(4):464-9.
- Liu WS, Yan HJ, **Qin R**, Tian R, Wang M, Jiang JX, Shen M, Shi CJ. siRNA directed against survivin enhances pancreatic cancer cell gemcitabine chemosensitivity. *Dig Dis Sci*. 2009; 54(1):89-96.
- Chang Q, **Qin R\***, Tao Huang, Jun Gao, Yanping Feng. Effect of Antisense Hypoxia-inducible Factor 1 $\alpha$  on Progression, Metastasis, and Chemosensitivity of Pancreatic Cancer. *Pancreas*. 2006; 32:297-305.
- Kumar M, Liu ZR, Thapa L, Wang DY, Tian R, **Qin R\***. Mechanisms of inhibition of growth of human pancreatic carcinoma implanted in nude mice by somatostatin receptor subtype 2. *Pancreas*. 2004; 29(2):141-151.
- Kumar M, Liu ZR, Thapa L, **Qin R\***. Anti-angiogenic effects of somatostatin receptor subtype 2 on



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