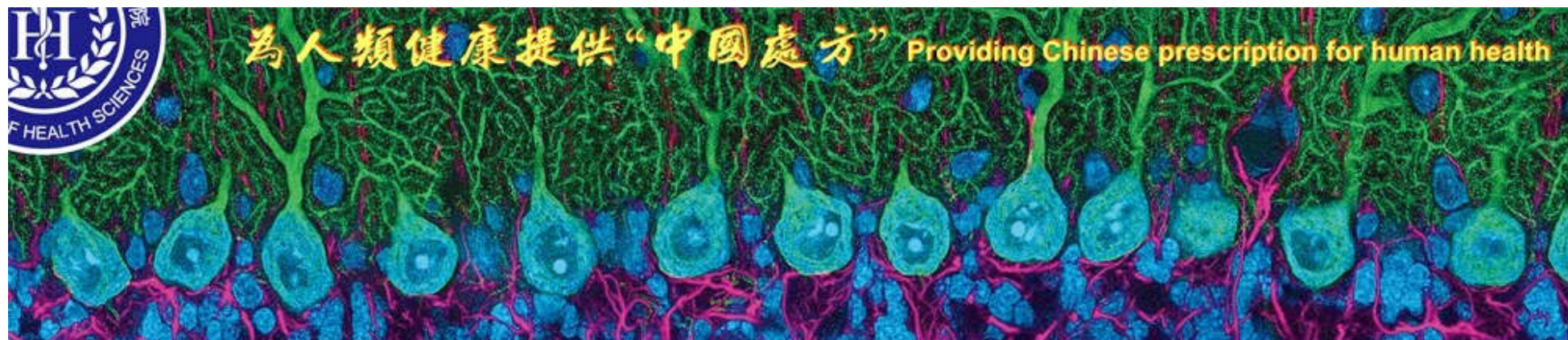




中国医科大学健康科学研究院  
Institute of Health Sciences, CMU

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## 王振宁PI课题组



王振宁 教授、主任医师

二级教授、博士生导师、  
教育部长江学者特聘教授

现任中国医科大学党委副书记、校长，胃肠肿瘤精准诊疗教育部重点实验室负责人，辽宁省胃肠肿瘤临床医学研究中心负责人，中组部国家高层次人才特殊支持计划（万人计划）领军人才，教育部“长江学者奖励计划”特设岗位“新型冠状病毒感染的传染病防治”专家，国家卫生计生突出贡献中青年专家，科技部创新人才推进计划中青年科技创新领军人才，国家百千万人才工程国家级人选，享受国务院政府特殊津贴。兼任中华医学会肿瘤学分会胃癌学组组长等职务。主持国家自然科学基金（包括国际（地区）合作与交流项目、联合基金及面上项目）、国家重点研发计划精准医学研究专项课题、973计划前期研究专项及其它省部级项目共20余项；在JAMA Oncology、Molecular Cancer、Science Advances、Nature Communications等国际期刊发表SCI论文281篇，其中第一作者或通讯作者159篇，获国家科技进步二等奖及省部级科技进步奖等多项奖项。

课题组主要成员

教授： 苗智峰

教授： 宋永喜

副教授： 高鹏

副教授： 孙景旭

副教授： 陈晓婉

副教授： 赵俊华

#### 科研方向

- 1.提出胃癌发生新理念，确定早诊新标志
- 2.探索腹膜转移新机制，提出防治新策略
- 3.阐明淋巴转移新途径，探寻治疗新靶点
- 4.研发新型抗癌药物，促进临床应用转化
- 5.人工智能数据挖掘，优化临床分期系统
- 6.搭建医工结合平台，促进学科交叉融合

#### 学术贡献

- 1.To explain the regulation of energy metabolism on the differentiation and proliferation of gastric mucosal stem cells and the occurrence of gastric cancer.
- 2.To invent the new concept of "paligenosis" to define the process of fully differentiated cells reversely differentiate and gain proliferation ability, and firstly describe the pathological and

molecular characteristics of paligenosis.

3.To report a non-coding RNA regulatory network for CLDN4 in gastric cancer and develop small molecule compounds according to this regulatory network.

4.To propose a series of optimization schemes for TNM staging, among which the optimized scheme for TNM staging of colorectal cancer was written into the 8th AJCC TNM staging guide.

5.To rapidly separate live gastric cancer cells from patients' ascites and achieved label-free characterization of gastric cancer cells by optically induced electrokinetics (OEK) based microfluidic method.

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