



右江民族医学院
临床医学院（附属医院）科研平台简介
**Brief Introduction to
the Scientific Research Platforms of
School of Clinical Medicine (Directly Affiliated Hospital)
Youjang Medical University for Nationalities
(YMUN)**

中国广西百色

Baise, Guangxi, P.R. China

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(1)

广西卫健委肝胆疾病分子病理重点实验室

Key Laboratory of the Molecular Pathology of Hepatobiliary Diseases

Founded by the Health Commission of Guangxi Autonomous Region

I. 研究平台名称 Name of the Laboratory:

广西卫健委肝胆疾病分子病理学重点实验室

Key Laboratory of the Molecular Pathology of Hepatobiliary Diseases Founded by the Health Commission of Guangxi Autonomous Region

II. 研究队伍 Research Team:

序号 No.	姓名 Name	职称 Title	专业/研究方向 Research Fields	备注 Note
1	Long Xidai	Professor Doctor	Molecular epidemiology of hepatocarcinoma, clinicopathology and pathogenesis	
2	Tang Qianli	Professor Doctor	Prevention and treatment of diseases in general surgery, study on external treatment of integrated traditional Chinese and Western Medicine (wound repair)	
3	Yao Jinguang	Professor Doctor	Study on molecular mechanism of lymph node metastasis in digestive system tumors (including hepatocarcinoma and oral cavity carcinomas)	
4	Deng Yibing	Professor Doctor	Anti HBV gene therapy, study on non coding RNA regulation mechanism of HBV related hepatocellular carcinoma	
5	Jiang Deke	Professor Doctor	Molecular mechanism of invasion and progression of hepatobiliary malignancies	

III. 主要仪器设备 Main Instruments & Equipments:

实验室总面积 1100.6 平方米，仪器包括荧光扫描分析仪、实时荧光定量 PCR、PCR 扩增仪、高通量二代测序仪、激光切割显微镜、病理切片扫描仪等。实验室已建立了公共服务区、细胞学实验室、分子生物学实验室、生化分析室、病理检测室、生物样本处理室、肝癌样本库等功能实验室，具有固定实验室成员 28 人，具有开展分子生物学、细胞生物学及病理学等实验和技术平台。

The laboratory covers an area of 1100.6 square meters, including fluorescence scanning analyzer, real-time fluorescence quantitative PCR, PCR amplification instrument, high-throughput second-generation sequencer, laser cutting microscope, pathological section scanner, etc. The laboratory has established a public service area, cytology laboratory,

molecular biology laboratory, biochemical analysis room, pathology detection room, biological sample processing room, liver cancer sample bank and other functional laboratories, with 28 fixed laboratory members and a platform to carry out molecular biology, cell biology and pathology experiments and technology. At present, the platform has a large scale and open up.

IV.研究方向 Research Areas:

1) 慢性肝炎由可控性到不控性发展的关键分子病理机制

The key molecular pathological mechanism of chronic hepatitis from controllable to uncontrolled

2) 慢性胆道炎症由可控性到不控性发展的关键分子病理机制

The key molecular pathological mechanism of chronic biliary tract inflammation from controllable to uncontrolled

3)肝胆疾病的基因诊断与临床应用

Gene diagnosis and clinical application of hepatobiliary diseases

V. 主要研究成果 Main Achievements(Publications):

1. Long XD, Ma Y, Zhou YF, Ma AM, Fu GH. Polymorphism in xeroderma pigmentosum complementation group C codon 939 and aflatoxin B1-related hepatocellular carcinoma in the Guangxi population. *Hepatology* 2010;52(4):1301-1309. (SCI IF = 14.079)
2. Long XD, Yao JG, Zeng Z, Ma Y, Huang XY, Wei ZH, Liu M, Zhang JJ, Xue F, Zhai B, Xia Q. Polymorphisms in the coding region of X-ray repair complementing group 4 and aflatoxin B1-related hepatocellular carcinoma. *Hepatology*, 2013;58 (1):171-181. (SCI IF = 14.079)
3. Long XD, Zhao D, Wang C, Huang XY, Yao JG, Ma Y, Wei ZH, Liu M, Zeng LX, Mo XQ, Zhang JJ, Xue F, Zhai B, Xia Q. Genetic Polymorphisms in DNA Repair Genes XRCC4 and XRCC5 and Aflatoxin B1-related Hepatocellular Carcinoma. *Epidemiology*, 2013; 24 (5): 671-681. (SCI IF = 4.991)
4. Li J, Xu Y, Long XD, Wang W, Jiao HK, Mei Z, Yin QQ, Ma LN, Zhou AW, Wang LS, Yao M, Xia Q, Chen GQ. Cbx4 governs HIF-1alpha to potentiate angiogenesis of

- hepatocellular carcinoma by its SUMO E3 ligase activity. *Cancer Cell*, 2014; 25(1): 118-131. (SCI IF = 22.844)
5. Jiao HK, Xu Y, Li J, Wang W, Mei Z, Long XD, Chen GQ. Prognostic significance of Cbx4 expression and its beneficial effect for transarterial chemoembolization in hepatocellular carcinoma. *Cell Death Dis*, 2015; 6: e1689. (SCI IF = 5.630)
 6. Zhao D, Long XD, Lu TF, Wang T, Zhang WW, Liu YX, Cui XL, Dai HJ, Xue F, Xia Q. Metformin decreases IL-22 secretion to suppress tumor growth in an orthotopic mouse model of hepatocellular carcinoma. *Int J Cancer*, 2015;136(11):2556-2565. (SCI IF = 7.360)
 7. Huang XY, Yao JG, Huang BC, Ma Y, Xia Q, Long XD. Polymorphisms of a Disintegrin and Metalloproteinase with Thrombospondin Motifs 5 and Aflatoxin B1-Related Hepatocellular Carcinoma. *Cancer Epidemiol Biomarkers Prev*. 2016;25(2):334-343. (SCI IF = 4.554)
 8. Long XD, Huang XY, Yao JG, Liao P, Tang YJ, Ma Y, Xia Q. Polymorphisms in the precursor microRNAs and aflatoxin B1-related hepatocellular carcinoma. *Mol Carcinog*, 2016; 55(6):1060-1072.. (SCI IF = 3.851)
 9. Wang X Z, Tang W Z, Su Q Y, Yao J G, Huang X Y, Long Q Q, Wu X M, Xia Q and Long X D. Single-nucleotide polymorphisms in the coding region of a disintegrin and metalloproteinase with thrombospondin motifs 4 and hepatocellular carcinoma: A retrospective case-control study[J]. *Cancer Med*, 2019, 8(18): 7869-7880. (SCI IF = 3.357)

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(2)

骨与关节退行性疾病研究重点实验室

Key Laboratory of the Bone & Joint Degenerative Diseases

I. 研究平台名称 Name of the Laboratory:

骨与关节退行性疾病研究重点实验室

Key Laboratory of the Bone and Joint Degenerative Diseases

II. 研究队伍 Research Team:

序号 Sr. No.	姓名 Name	职称 Title	专业/研究方向 Major/Research Fields	备注 Note
1	Tang Yujin	Chief Physician, Doctor	A series of studies on the pathogenesis, prevention and treatment of osteosurgery / senile osteoporosis	
2	Liu Jia	Chief Physician, Doctor	Research and development of orthopedic surgery / metal biomaterial therapy products	
3	Bai Xiaochun	Chief Physician, Doctor	A series of studies on the pathogenesis, prevention and treatment of orthopedic surgery / osteoarthritis	
4	Wang Liqiang	Researcher, doctor	Establishment of standardized database and biological resource database of bone and joint degenerative diseases	
5	Wang Chong	Researcher, doctor	Research and development of nonmetal biomaterial therapeutic products	

III. 主要仪器设备 Main Instruments & Equipments:

实验室设备齐全，主要拥有实验设备有：二代测序仪、共聚焦显微镜、小动物 CT 系统、流式细胞仪、核酸自动提取仪、AKTA 蛋白纯化系统、荧光扫描分析仪、实时荧光定量 PCR、PCR 扩增仪、原位杂交仪（美国）S500-24、日立 7600 全自动生化分析仪、Sysmex XE-5000 全自动血细胞流水线、法国梅里埃 VITEK2 全自动细菌鉴定分析仪、法国梅里埃 BacT/ALERT 3D 型血培养仪、强生干式生化仪、全自动酶联免疫分析仪、ABI-7500 荧光定量 PCR 仪、基因芯片仪、Roche e601 化学发光免疫分析仪、ABI3500 全自动基因检测仪、日本樱花电脑全封闭脱水机 VIP-6、细胞病理图像分析系统、全自动染色机以及研究型倒置显微镜等。这些条件为本实验室的科研开展提供了重要的基础设施保障。具备基本科研项目开展所需的全部设备及实验条件。

The laboratory has complete equipments, mainly including: second generation sequencer, confocal microscope, small animal CT system, flow cytometer, nucleic acid automatic extraction instrument, Akta protein purification system, fluorescence scanning analyzer, real-time fluorescence quantitative PCR, PCR amplification instrument, in situ hybridization

(USA) s500-24, Hitachi 7600 automatic biochemical analyzer Sysmex XE-5000 automatic blood cell assembly line, French merier vitek2 automatic bacteria identification analyzer, French merier BacT / Alert 3D blood culture instrument, Johnson dry biochemical analyzer, automatic enzyme-linked immunosorbent assay analyzer, abi-7500 fluorescence quantitative PCR instrument, gene chip instrument, Roche E601 chemiluminescence immunoassay analyzer, abi3500 automatic gene detector Vip-6, the image analysis system of cell pathology, the automatic staining machine and the research inverted microscope. These conditions provide an important infrastructure guarantee for the scientific research of our laboratory. All the necessary equipment and experimental conditions for basic scientific research projects are available.

IV.研究方向 Research Areas:

1) 建立骨与关节退行性疾病标准化数据库及生物资源库

To establish the standardized database and biological resource database of bone and joint degenerative diseases

2) 老年性骨质疏松发病机制及防治的系列研究

The pathogenesis, prevention and treatment of senile osteoporosis

3) 骨关节炎发病机制及防治的系列研究

The pathogenesis, prevention and treatment of osteoarthritis

4) 生物材料治疗产品的研发

Research and development of biomaterial therapy products

V.主要研究成果 Main Research Achievements (publications):

- [1] Hafeez N, Liu J, Wang L*, Wei D, Tang Y*, Lu W, Zhang L*. Superelastic response of low-modulus porous beta-type Ti-35Nb-2Ta-3Zr alloy fabricated by laser powder bed fusion, Additive Manufacturing, 2020, 34:101264. (IF 7.173)
- [2] Wang J, Nong L, Wei Y, Qin S, Zhou Y, Tang Y*. Association of osteopontin polymorphisms with nasopharyngeal carcinoma risk. Hum Immunol, 75(1): pp 76-80, 2014 (IF: 2.298)

- [3] Wang JL, Nong LG, Wei YS, Tang YJ*, Wang JC, Wang CF. Association of interleukin-8 gene polymorphisms with the risk of hepatocellular carcinoma. *Mol Biol Rep.* 41(3): pp1483-9. 2014 (IF: 2.506).
- [4] Wang J, Nong L, Wei Y, Qin S, Zhou Y, Tang Y*. Association of interleukin-12 polymorphisms and serum IL-12p40 levels with osteosarcoma risk. *DNA Cell Biol*, 32(10): pp 605-610, 2013 (IF: 2.344).
- [5] Liu J, Wang J, Jiang W, Tang Y*. Effect of cytotoxic T-lymphocyte antigen-4, TNF-alpha polymorphisms on osteosarcoma: evidences from a meta-analysis. *Chin J Cancer Res*, 25(6): pp 671-678, 2013 (IF: 0.448).
- [6] Wang JL, Nong LG, Tang YJ*, Wei YS, Yang FL, Wang CF. Correlation between OPN gene polymorphisms and the risk of nasopharyngeal carcinoma. *Med Oncol.* 2014 Jul;31(7):20. doi: 10.1007/s12032-014-0020-x. Epub 2014 Jun 10. (IF: 2.147).
- [7] Yujin Tang#, Junli Wang, Legen Nong, Chang-gong Lan, Zhengang Zha, Pinhu Liao, Associations of IL-27 polymorphisms and serum IL-27p28 levels with osteosarcoma risk. *Medicine*,2014 (IF: 4.233).
- [8] Yujin Tang#, Junli Wang, Kegong Xie, Changgong Lan. Association of interleukin 16 gene polymorphisms and plasma IL16 level with osteosarcoma risk. *Sci Rep*, 2016 ,10,(5):1-6 (IF: 4.259).
- [9] Wang JL, Liu J, Xie KG, Lan CG, Lu L, Tang YJ*. Association between functional polymorphisms in IL-33/ST2 pathway and risk of osteosarcoma. *J Cell Mol Med.* 2018; 22:3808–3815. (IF 4.658)
- [10] Tang YJ#, Li K#, Yang CL, Huang K, Zhou J, Shi Y, Xie KG, Liu J*. Bisperoxovanadium protects against spinal cord injury by regulating autophagy via activation of ERK1/2 signaling. *Drug Des Devel Ther.* 2019 Feb 1; 13:513-521. (IF 3.208)
- [11] J Liu#, SF Li#, K Huang, XZ Lu, Y Shi, KG Xie, YJ Tang*. Right infraaxillary thoracotomy approach for upper thoracic vertebral decompression and fusion at T2–T6 levels: a technical note. *Eur Spine J.* 2019 Mar;28(3):470-476 (IF 2.513)

- [12] Liu J#, Li K#, Zhou J#, Sun T, Yang C, Wei J, Xie K, Luo Q*, Tang Y*. Bisperoxovanadium induces M2-type macrophages and promotes functional recovery after spinal cord injury. *Mol Immunol*. 2019 Dec; 116:56-62. (IF 3.064)
- [13] Liang Lina, Lu Guanming, Pan Guogang, Deng Yibin, Liang Jiadong, Liang Limei, Liu Jia, Tang Yujin*, Wei Guijiang*. (2019). A Case-Control Study of the Association Between the SPP1 Gene SNPs and the Susceptibility to Breast Cancer in Guangxi, China. *Front Oncol*, 1415. doi:10.3389/fonc.2019.01415 (IF 4.137)
- [14] Liu J#, Li K#, Zhou J#, Sun T, Yang C, Wei J, Xie K, Luo Q*, Tang Y*. Bisperoxovanadium induces M2-type macrophages and promotes functional recovery after spinal cord injury. *Mol Immunol*. 2019 Dec; 116:56-62. (IF 3.064)
- [15] J Liu#, SF Li#, K Huang, XZ Lu, Y Shi, KG Xie, YJ Tang*. Right infraaxillary thoracotomy approach for upper thoracic vertebral decompression and fusion at T2–T6 levels: a technical note. *Eur Spine J*. 2019 Mar;28(3):470-476 (IF 2.513)
- [16] Tang YJ#, Li K#, Yang CL, Huang K, Zhou J, Shi Y, Xie KG, Liu J*. Bisperoxovanadium protects against spinal cord injury by regulating autophagy via activation of ERK1/2 signaling. *Drug Des Devel Ther*. 2019 Feb 1;13:513-521. (IF 3.208)
- [17] Wang YH#, Chen J#, Zhou J#, Nong F, Lv JH, Liu J*, Reduced inflammatory cell recruitment and tissue damage in spinal cord injury by acellular spinal cord scaffold seeded with mesenchymal stem cells. *Exp Ther Med*, 2017. 13(1): p. 203-207. (IF 1.448)
- [18] Chen J#, Zhang Z#, Liu J#, Zhou R, Zheng X, Chen T, Wang L, Huang M, Yang C, Li Z, Yang C, Bai X*& Jin D*. Acellular spinal cord scaffold seeded with bone marrow stromal cells protect tissue and promotes functional recovery in spinal cord-injured rats. *J Neurosci Res*. 2014 Mar;92(3):307-17. (IF 4.139)
- [19] Liu J#, Chen J#, Liu B, Yang C, Xie D, Zheng X, Xu S, Chen T, Wang L, Zhang Z, Bai X*& Jin D*. Acellular spinal cord scaffold seeded with mesenchymal stem cells promotes long-distance axon regeneration and functional recovery in spinal cord injured rats. *J Neurol Sci*. 2013 Feb 15;325(1-2):127-36 (IF 4.139)

[20] Wang JL#, Liu J, Xie KG, Lan CG, Lu L, Tang YJ*. Association between functional polymorphisms in IL-33/ST2 pathway and risk of osteosarcoma. J Cell Mol Med. 2018; 22:3808–3815. (IF 4.658)

VI.联系方式 Contact information:

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(3)

免疫相关肾病基础与临床转化研究实验室

Laboratory of the Basis and Clinical Transformation of
Immune-related Nephropathy

I.研究平台名称 Name of the Laboratory:

免疫相关肾病基础与临床转化研究实验室

Laboratory of the Basis and Clinical Transformation of Immune-related
Nephropathy

II.研究队伍 Research Team:

序号 No.	姓名 Name	职称 Title	专业/研究方向 Research Fields	备注 Note
1	You Yanwu	Professor Doctor	Lupus nephritis	
2	Lin Xu	Professor	Podocyte injury	
3	Yang Fafen	Professor	Diabetic nephropathy	
4	Guo Pengwei	Associate professor	Glomerular diseases	
5	Huang Haiting	Lecturer	Vascular calcification	
6	He Lin	Lecturer	Lupus nephritis	

III.主要仪器设备 Main Instruments & Equipments:

荧光扫描分析仪、实时荧光定量PCR、PCR扩增仪、原位杂交仪（美国）S500-24、全自动酶联免疫分析仪、美国BD FACSCantoTM II流式细胞仪、激光共聚焦显微镜、凝胶成像系统、台式高速冷冻离心机、二氧化碳培养箱、研究型倒置显微镜等。

Fluorescence scanning analyzer, real-time fluorescence quantitative PCR, PCR amplification instrument, in situ hybridization instrument (America) S500-24, automatic enzyme immunoassay analyzer, American BD FACSCantoTM II flow cytometry, confocal laser scanning microscope, gel imaging system, desktop high speed refrigerated centrifuge, carbon dioxide incubator, research type inverted microscope, etc.

IV.研究方向 Research Fields:

- 1) lncRNA/miRNA 调控狼疮性肾炎 Th17/Treg 细胞的转录调控和分子信号机制研究
Transcriptional regulation and molecular signaling mechanism of lncRNA / miRNA regulating Th17 / Treg cells in lupus nephritis
- 2) miR-155 在糖尿病足细胞损伤的分子机制研究
Molecular mechanism of miR-155 in diabetic foot cell injury

V.主要研究成果 Main Research Achievements (publications):

1. Junjie Wang, Dongdong Fu, Soulixay Senouthai, Yanwu You*.Identification of the transcriptional networks and the involvement in angiotensin II-induced injury after CRISPR/Cas9 mediated knockdown of Cyr61 in HEK293T cells[J]. Mediators of inflammation, 2019, 2019: 8697257. (IF 3.549)
2. Dongdong Fu, Soulixay Senouthai, Junjie Wang, Yanwu You*.FKN facilitates HK-2 Cell EMT and tubulointerstitial lesions via the Wnt/-Catenin pathway in a murine model of lupus nephritis[J]. Frontiers in immunology, 2019, 10: 784. (IF 5.51)
3. Soulixay Senouthai, Junjie Wang, Dongdong Fu, Yanwu You*.Fractalkine is involved in lipopolysaccharide-induced podocyte injury through the Wnt/ β -catenin pathway in an acute kidney injury mouse model[J]. Inflammation, 2019, 42(4): 1287-1300. (IF 2.939)
4. Dongdong Fu, Soulixay Senouthai, Junjie Wang, Yanwu You*.Vasoactive intestinal peptide ameliorates renal injury in a pristane-induced lupus mouse model by modulating Th17/Treg balance. BMC Nephrology 2019, 20(1):350-361. (IF 2.088)
5. Fang Yuan, Fenghua Wei, Junjie Wang, Yanwu You*. Clinical aspects and risk factors of lupus nephritis: a retrospective study of 156 adult patients. Journal of International Medical Research 2019, 47(10): 5070-5081. (IF 1.351)
6. YanWu You#, YueQiu Qin, Xu Lin, FaFen Yang, JunJie Wang, Fang Yuan, Suren R Sooranna*, Liao Pinhu*. Upregulated fractalkine levels in Chinese patients with lupus nephritis. Cytokine, 2018, 104: 23-28. (IF 3.488)

7. Junjie Wang, Dongdong Fu, Soulixay Senouthai, Yanwu You*. Critical roles of PI3K/Akt/NF- κ B survival axis in angiotensin II-induced podocyte injury. *Molecular Medicine Reports* 20(6):5134-5144. (IF 1.851)
8. Xu Lin#, Xintng Zhen, Haiting Huang, Haohao Wu, Yanwu You, Pengwei Guo, Xiangjun Gu, Fafen Yang. Role of MiR-155 Signal Pathway in Regulating Podocyte Injury Induced by TGF- β 1[J]. *Cellular Physiology and Biochemistry*, 2017,42(4): 1469~1480. (IF 5.013)
9. Haiting Huang#, Xu Lin, Yanwu You, Pengwei Guo, Xiangjun Gu, Fafen Yang. Inhibition of TRPC6 Signal Pathway Alleviates Podocyte Injury Induced by TGF- β 1. *Cellular Physiology and Biochemistry*, 2017,41(1):163-172. (IF5.013)

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神经病学实验室

Laboratory of the Neurology

I. 研究平台名称 Name of the Laboratory:

神经病学实验室

Laboratory of the Neurology

II. 研究队伍 Research Team:

序号 No.	姓名 Name	职称 Title	研究方向 Research Field	备注 Note
1	Li Xuebin	Professor Doctor	Neurology	
2	Huang Jianmin	Professor	Neurology	
3	Jian Chongdong	Professor Doctor	Neurology	
4	Meng Lanqing	Professor	Neurology	
5	Huang Xiaohua	Attending Doctor	Neurology	
6	Huang Qing	Attending Doctor	Neurology	

III. 主要仪器设备 Main Instruments & Equipments:

膜片钳系统、色谱分析仪、台式高速冷冻离心机、全自动免疫组化染色仪、超低温冰箱等。

Patch clamp system, chromatographic analyzer, desktop high-speed freezing centrifuge, automatic immunohistochemical staining instrument, ultra-low temperature refrigerator, etc.

IV. 研究方向 Research Areas:

1) 癫痫临床与基础研究

Clinical and basic research on epilepsy

2) 脑血管疾病基础与临床研究

Basic and clinical research on cerebrovascular diseases

3) 认知功能障碍的相关机制研究

Study on the related mechanism of cognitive dysfunction

V. 主要研究成果 Main Research Results:

序号 No.	论文题目 Paper Topics	作者 Author	杂志名称 Journals	发表日期 Publishing Time	IF
1	Analysis of transcription factor- and ncRNA-mediated potential pathogenic gene modules in Alzheimer's disease	X.B.Li C.H.Zou, J.Wang,et al	Aging	2019,11:6109-60 19	SCI 5.515
2	miR-34a knockout attenuates cognitive deficits in APP/PS1 mice through inhibition of the amyloidogenic processing of APP	D. Jian, M.R.Lu, Z.Zhang,et al	Life Sci.	2017, (1)182:104-111.	SCI 3.234
3	Cognitive deficits are ameliorated by reduction in amyloid β accumulation in Tg2576/p75(NTR+/-) mice.	D. Jian, H.Zou, C.Luo,et al	Life Sci.	2016,15,155:167 -73	SCI 3.234
4	Clinical effects and safety of electroacupuncture for the treatment of post-stroke depression: a systematic review and meta-analysis of randomised controlled trials	X.B.Li, J.Wang, A.D.Xu,,et al	Acupunct ure in Medicine	2018; 0:1-10. doi:10.1136/acup med-2016-01130 0	SCI 2.275
5	The microRNA-1268a rs28599926 polymorphism modified diffusely infiltrating astrocytoma risk and prognosis	X.B.Li, J.Wang, A.D.Xu,et al	INT J CLIN MED	2016,9(11):2161 5-21624	SCI 1.075
6	Apolipoprotein E polymorphisms increase the risk of post-stroke depression	X.B.Li, J.Wang, A.D.Xu,et al	neural regenerati on research	2016,11 (11) :1790-17 96	SCI 0.968
7	Panax notoginseng Saponins Attenuate Oxygen-Glucose Deprivation Reoxygenation Induced Injury in Human SH-SY5Y Cells by Regulating the Expression of Inflammatory Factors through miR 155	L.Q.Meng, L.Lin, Q.Huang,et al	Biol. Pharm. Bull.	2019,42, 462-467	SCI 1.69

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生命科学与临床医学研究中心

Life Science and Clinical Medical Research Center

I. 研究平台名称 Name of the Center:

生命科学与临床医学研究中心

Life Science and Clinical Medicine Research Center

II. 研究队伍 Research Team:

序号 No.	姓名 Name	职称 Title	研究方向 Research Fields	备注 Note
1	Lin Xu	Chief Physician / Professor	肾脏病学/肾脏足细胞损伤与修复 Renal pathology / Kidney podocyte injury and repairing	
2	Wang Jianchu	Chief Physician / Associate Professor / Doctor	肝胆外科学/肝胆外科疾病的基础与临床研究 Hepatobiliary surgery / Basic and clinical research on hepatobiliary surgical diseases	
3	You Yanwu	Chief Physician / professor	肾脏病学/慢性肾脏疾病的基因、免疫及分子机制 Nephrology/ Gene, immune and molecular mechanisms of chronic kidney disease	
4	Wang Junli	Chief Physician / professor/ Doctor	临床检验诊断学/辅助生殖相关生殖障碍性疾病的临 床分子精准诊断研究 Clinical laboratory diagnostics/ Clinical molecular accurate diagnosis of assisted reproductive disorders	
5	Wu Biaoliang	Chief Physician / Professor/ Doctor	内分泌科学/糖尿病足、糖尿病肾病、糖尿病神经病变 及甲状腺疾病 Endocrinology/ Diabetic foot, diabetic nephropathy, diabetic neuropathy and thyroid diseases	

III. 主要仪器设备 Main Instruments & Equipments:

实验现有仪器设备包括：二代测序仪、Micro CT、超速离心机、激光共聚焦显微镜、核酸自动提取仪、AKTA 蛋白纯化系统、实时荧光定量 PCR、梯度 PCR 仪、普通 PCR 仪、组织脱水机、冰冻切片机、石蜡切片机、石蜡包埋机、紫外分光光度计、凝胶成像系统、垂直电泳仪、通用电泳仪、半干式转印槽、湿式转印槽、微量可调移液器、台式高速冷冻离心机、全自动酶联免疫分析仪、洗板机、全波长酶标仪、生物安全柜、二氧化碳培养箱、全自动恒温箱、全自动恒温摇床等。

The existing instruments and equipment include: second-generation sequencing instrument, Micro CT, ultracentrifuge, laser confocal microscope, nucleic acid automatic extraction instrument, AKTA protein purification system, real-time fluorescence quantitative

PCR, gradient PCR instrument, ordinary PCR instrument, tissue dehydrator, frozen section machine, paraffin section machine, paraffin embedding machine, ultraviolet spectrophotometer, gel imaging system, vertical electrophoresis instrument, universal electrophoresis instrument, semi-dry transfer cell, wet transfer cell, micro adjustable liquid transfer device, desktop high-speed freezing centrifuge, automatic enzyme-linked immunosorbent analyzer, plate washing machine, full wavelength enzyme-labeled instrument, biological safety cabinet, carbon dioxide incubator, automatic thermostat, automatic thermostat shaker, etc.

IV. 研究方向 Research Fields:

1) 急重症分子免疫研究

molecular immunization studies of the acute and severe diseases

2) 桂西高发病相关基础及应用基础研究

Basic research on the diseases with high incidence in local areas and its clinical application

3) 肿瘤精准医学研究及肿瘤样本库建设及生物医用材料方面的研究

Tumor precision medicine research; data base construction of tumor samples; and biomedical materials research.

V. 主要研究成果 Main Research Results:

1. 科研论文 scientific papers in the latest three years:

序号 No.	论文题目 Paper Title	第一/通讯作者 First / correspondent Author	发表刊物 Published Journals	发表年份 Year of Publishing
1	Cannabinoid receptor type 2 promotes kidney fibrosis through orchestrating β -catenin signaling	Lin Xu	KIDNEY INTERNATIONAL	2020
2	Role of MiR-155 Signal Pathway in Regulating Podocyte Injury Induced by TGF- β 1	Lin Xu	Cellular Physiology and Biochemistry	2018
3	Inhibition of TRPC6 Signal Pathway Alleviates Podocyte Injury Induced by TGF- β 1, Cellular Physiology and Biochemistry	Lin Xu	Cellular Physiology and Biochemistry	2017
4	Long Non-coding RNA Inc-GNAT1-1 Suppresses Liver Cancer Progression via Modulation of	Wang Jianchu	Front. Genet.	2020

	Epithelial–Mesenchymal Transition.			
5	Oxysophocarpine suppresses hepatocellular carcinoma growth and sensitizes the therapeutic blockade of anti-Lag-3 via reducing FGL1 expression	Wang Jianchu	Cancer Medicine	2020
6	LncRNA OIP5-AS1 interacts with miR-363-3p to contribute to hepatocellular carcinoma progression through up-regulation of SOX4.	Wang Jianchu	Gene Therapy.	2020
7	GF11-Mediated Upregulation of LINC00675 as a ceRNA Restrains Hepatocellular Carcinoma Metastasis by Sponging miR-942-5p	Wang Jianchu	Front Oncol	2020
8	miR-383 inhibits cell growth and promotes cell apoptosis in hepatocellular carcinoma by targeting IL-17 via STAT3 signaling pathway	Wang Jianchu	BIOMEDICINE & PHARMACOTHERAPY	2019
9	Jiedu Granule Combined with Transcatheter Arterial Chemoembolization and Gamma Knife Radiosurgery in Treating Hepatocellular Carcinoma with Portal Vein Tumor Thrombus	Wang Jianchu	BIOMED RESEARCH INTERNATIONAL	2019
10	Insight into the molecular mechanism of LINC00152/miR - 215/CDK13 axis in hepatocellular carcinoma progression	Wang Jianchu	JOURNAL OF CELLULAR BIOCHEMISTRY	2019
11	Critical roles of PI3K/Akt/NF κB survival axis in angiotensin II induced podocyte injury	You Yanwu	Molecular Medicine Reports	2020
12	The Predictive Value of Autoantibody Spectrum on Organ Damage in Patients With Systemic Lupus Erythematosus	You Yanwu	ORIGINAL ARTICLE	2019
13	Fractalkine is Involved in Lipopolysaccharide-Induced Podocyte Injury through the Wnt/β-Catenin Pathway in an Acute Kidney Injury Mouse Model	You Yanwu	ORIGINAL ARTICLE	2019
14	MicroRNA-200c expression is decreased in hepatocellular carcinoma and associated with poor prognosis	Luo Chunying	CLINICS AND RESEARCH IN HEPATOLOGY AND GASTROENTEROLOGY	2019
15	FKN facilitates HK-2 Cell EMT and tubulointerstitial lesions via the Wnt/-Catenin pathway in a murine model of lupus nephritis	Fu Dongdong	Frontiers in immunology	2019
16	Exosomal lncRNA HNF1A-AS1 affects cisplatin resistance in cervical cancer cells through regulating microRNA-34b/TUFT1 axis	Wang Junli	Cancer Cell International	2020
17	Association of interleukin - 27 gene polymorphisms with susceptibility to HIV infection and disease progression	Wang Junli	Int J ClinOncol	2019
18	Genetic polymorphisms in interleukin 13 gene with the susceptibility tonsopharyngeal carcinoma in a Chinese population	Wang Junli	Cytokine	2019
19	Association of miR-181 cluster polymorphisms with systemic lupus erythematosus risk	Wang Chunfang	INT J CLIN EXP MED	2019
20	Effect of “Nourishing Yin and Qi, Promoting Blood Circulation and Detoxification” on	Fu Xianzhao	American Journal of Clinical and	2019

	Endoplasmic Reticulum Stress CHOP Apoptotic Bypass in Diabetic Atherosclerosis		Experimental Medicine	
21	The fluctuating incidence, improved survival of patients with breast cancer, and disparities by age, race, and socioeconomic status by decade, 1981–2010	Lu Guanming	Cancer Management and Research	2019
22	Insight into the molecular mechanism of LINC00152/miR - 215/CDK13 axis in hepatocellular carcinoma progression	Wang Jianchu	Journal of Cellular Biochemistry	2019
23	Lycium barbarum polysaccharide prevents cisplatin-induced MLTC-I cell apoptosis and autophagy via regulating endoplasmic reticulum stress pathway	Wang Junli	Drug Design, Development and Therapy	2019
24	Genetic association of promoter in GRP78 gene with nasopharyngeal carcinoma in a Chinese population	Wang Junli	International Journal of Clinical Oncology	2019
25	The Predictive Value of Autoantibody Spectrum on Organ Damage in Patients With Systemic Lupus Erythematosus	You Yanwu	Arch Rheumatol	2019
26	Clinical aspects and risk factors of lupus nephritis: a retrospective study of 156 adult patients	You Yanwu	Journal of International Medical Research	2019
27	Identification of the Transcriptional Networks and the Involvement in Angiotensin II-Induced Injury after CRISPR/Cas9-Mediated Knockdown of Cyr61 in HEK293T Cells	You Yanwu	Mediators of Inflammation	2019
28	Vasoactive intestinal peptide ameliorates renal injury in a pristane-induced lupus mouse model by modulating Th17/Treg balance	You Yanwu	Fu et al. BMC Nephrology	2019
29	Long noncoding RNA LINC00511 contributes to breast cancer tumorigenesis and stemness by inducing the miR-185-3p/E2F1/Nanog axis	Lu Guanming	Journal of Experimental & Clinical Cancer Research	2018
30	Exosome-transmitted long non-coding RNA SENP3-EIF4A1 suppresses the progression of hepatocellular carcinoma	Deng Yibin	Aging-US	2020
31	Long non-coding RNA F11-AS1 inhibits HBV-related hepatocellular carcinoma progression by regulating NR1H3 via binding to microRNA-211-5p	Deng Yibin	J Cell Mol Med	2020
32	Genotypic Resistance Remains A Concern In Chronic Hepatitis B Patients With High Viral Load After Lamivudine And Adefovir Combination Therapy	Deng Yibin	Pharmacogenomics and Personalized Medicine	2019
33	Antiviral effects of hepatitis B virus S gene-specific anti-gene locked nucleic acid in transgenic mice	Deng Yibin	WORLD JOURNAL OF CLINICAL CASES	2018
34	Upregulated fractalkine levels in Chinese patients with lupus nephritis	You Yanwu	Cytokine	2018
35	Review and Prospect of the Preventive Effect of "Supplementing Qi and Nourishing Yin, Activating Blood Circulation and Detoxifying" on Diabetes Mellitus Complicated with Acute	Fu Xianzhao	American Journal of Clinical and Experimental Medicine	2018

Coronary Syndrome				
36	Increasing prevalence of non-tuberculous mycobacterial infection from 2004–2009 to 2012–2017: A laboratory-based surveillance in China	Wang Junli	Journal of Infection	2018
37	Overexpression of osteopontin promotes cell proliferation and migration in human nasopharyngeal carcinoma and is associated with poor prognosis	Wang Junli	European Archives of Oto-Rhino-Laryngology	2018
38	Comparisons of front plate, percutaneous sacroiliac screws, and sacroiliac anterior papilionaceous plate in fixation of unstable pelvic fractures	Xie Kegong	Clinical Trial/Experimental Study	2018

2. 专利 Patents Obtained in latest three years:

序号 No.	专利类型 Type	专利名称 Patent Name	发明人 Inventor(s)	专利号 Patent No.
1	Utility Model Patent	glass powder device for hepatobiliary surgery	Li Wenchuan; Pu Jian; Wang Jianchu; Lu Yuan; Xv Zuoming	ZL 2020 2 0227863. 3
2	Utility Model Patent	air exchange device for lung diseases	Zhang Qingsong; Huang Fengxing; Huang Huayu	ZL 2020 20541381. 5
3	Utility Model Patent	positioning ruler for minimally invasive puncture of intracranial hematoma	Liu Guojun	ZL201922318803. 2
4	Utility Model Patent	foot fixing device	Wang Shuxian	ZL201922474302. 3
5	Utility Model Patent	hand-in-one gastrointestinal fluid decompression device for gastrointestinal surgery	Huang Haige	ZL201922458062. 8
6	Utility Model Patent	special hemostasis compression band for arteriovenous fistula	Huang Cuiting, You Yanwu, Guo Pengwei, Xue Yi, Shi Xiaoyan, Wu Meilin, Tan Jialing, Lin Menglei, Wei Yuemei	ZL 2018 2 0825516. 3
7	Utility Model Patent	Peritoneal dialysis catheter fixation device	Xue Yi, Lin Xu, You Yanwu, Tan Jialing, Ma Jing, Huang Cuiting, Shi Xiaoyan, Huang Dan, Qin Lanying	ZL 2018 2 1209751. 4
8	Utility Model Patent	A indwelling needle that is helpful for thrombolytic therapy	Huang Cuiting, You Yanwu, Guo Pengwei, Xue Yi, Wang Caicha, Long Guiying, Huang Dan, Lin Zhilan	ZL 2018 2 0817310. 6
9	Utility Model Patent	A special suit for limb lifting after arteriovenous fistula surgery	Huang Cuiting, You Yanwu, Guo Pengwei, Xue Yi, Wang Caicha, Long Guiying, Huang Dan, Lin Zhilan, Qin Lanying	ZL 2018 2 1210351. 5
10	Utility Model Patent	Precision puncture positioning support system for minimally invasive puncture of intracranial hematoma	Liu Guojun, Huang Jianmin, Meng Lanqing, Zhang Lifang, Nong Zhaomei, Huang Quyun	ZL 2018 2 2100975. 8

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动脉粥样硬化与缺血性心血管疾病实验室

Laboratory of the Atherosclerosis & Ischemic Cardiovascular Diseases

I. 研究平台名称 Name of the Laboratory:

动脉粥样硬化与缺血性心血管疾病实验室

Laboratory of the Atherosclerosis & Ischemic Cardiovascular Diseases

II. 研究队伍 Research Team:

序号 No.	姓名 Name	职称 Title	专业/研究方向 Research Field	备注 Note
1	Huang Zhaohu	Chief Physician/ Doctor	冠心病与炎症因子及心肌缺血再灌注损伤的机制 Coronary heart disease and inflammatory factor and myocardial ischemia reperfusion injury mechanism	
2	Pan Xingshou	Professor	高血压的基础和临床研究 Basic and clinical research on hypertension	
3	Liu Li	Associate Professor Doctor	心肌疾病的基础和临床研究 Basic and clinical research on myocardial diseases	
4	Liu Yan	Associate Chief Physician/ Doctor	急性心肌梗死后心力衰竭及心血管急危重症疾病的机制研究 Mechanism of heart failure and cardiovascular critical diseases after acute myocardial infarction	
5	Huang Da	Associate Chief Physician	冠心病的基础和临床研究 Basic and clinical research on coronary heart disease	

III. 主要仪器设备 Main Instruments & Equipments:

实验室科研场所总面积 4100m²，配置了总价值 3486 多万元的仪器设备，包括活体 Micro CT 扫描仪、二代高通量测序系统、多功能酶标仪、薄层色谱扫描仪、膜片钳信号放大器、倒置荧光显微镜、核酸自动提取仪、大 C 臂、旋磨介入治疗仪、血管内超声、中央心电监护系统、射频消融仪、心内电生理检查仪器等。

The laboratory has a research area of 4100 m² equipped with instruments and facilities of total value of more than 34 million RMB, including living Micro CT scanner, second-generation high-throughput sequencing system, multi-functional microplate reader, thin layer chromatography scanner, patch clamp signal amplifier, inverted fluorescence

microscope, nucleic acid automatic extraction instrument, large C arm, rotary grinding interventional therapy instrument, intravascular ultrasound, central ECG monitoring system, radiofrequency ablation instrument, intracardiac electrophysiological examination instrument, etc.

IV. 研究方向 **Research Areas:**

1) 炎症与冠心病的发病机制研究

Study on the pathogenesis of inflammation and coronary heart disease

2) 高血压与代谢功能紊乱的相关性研究

Research on the correlation between hypertension and metabolic dysfunction

3) 心肌疾病的基础和临床研究

Basic and clinical research on myocardial diseases

V. 主要研究成果 **Main Research Results:**

[发表论文 **Published papers]**

- [1] Li Liu, Jianjun Huang, Baomin Wei, Jjianjiao Mo, Qinjiang Wei, Chengcai Chen, Wei Yan, Xiannan Huang, Fengzhen He, Lingling Qin, Hehua Huang, Xue Li, Xingshou Pan. Multi-omics analysis of genetics and epigenetics reveals pathogenesis and therapeutic targets for atrial fibrillation. *Biomed Res Int.* 2021;6644827. doi: 10.1155/2021/6644827.
- [2] Li Liu, Jianjun Huang, Yan Liu, Zhile Li, Liufang Zhou, Tengfang Lai, Chengcai Chen, Zhen Zhang, Zhuohua Zhang, Meidan Huang, Zhaohe Huang. Multi-omics analysis of transcriptome, epigenome and genome uncovers putative mechanisms for dilated cardiomyopathy. *Biomed Res Int.* 2021;6653802. doi: 10.1155/2021/6653802.
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- [4] Liu Y, Xu W, Huang ZH, Guo J, Jiang RW. An Efficient Strategy for the Chemo-Enzymatic Synthesis of Bufalin Glycosides with Improved Water Solubility and Inhibition against Na^+ , K^+ -ATPase. *Chem Biodivers.* 2020,17(11):e2000529.
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- between coronary stenosis and Toll-like receptors 2 and 4 levels in Chinese Zhuang patients with coronary heart disease. *Exp Ther Med*. 2019, 18 (3):2346-2352.
- [6] Huang Z, Liu Y, Liang L, Liu W, Sooranna SR, Mo J, Liu L, Li Z, Guo J. Association of Toll-like receptor 4 polymorphisms with the risk of coronary artery disease in the ethnic Zhuang population of the Guangxi Province of China. *Gene*. 2019, 5, 708:1-9.
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- Wei Qin, Pan Xingshou, Huang Meidan, Liu Li. TEVAR treatment of type B aortic dissection clinical curative effect research progress [J]. *South China Journal of cardiovascular disease*. 2018, 24(03):365-368.
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Pan Xingshou, He Silu, Liang Ye, Li Qingfeng, Li Tiancai, Zou Caihua, Li Jindu, Wei Tongyan. Clinical observation of earthworm wild banana in improvement of fibrinolytic endothelial function in elderly hypertensive patients with lacunar cerebral infarction[J]. China Medicine and Pharmacy,2016,6(17):9-12+16.

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[专利 Patents]

2017-11 utility model patent: easy-to-wear sick dress

2018-01 utility model patent: wrist fixation device after radial artery puncture intervention

2018-01 utility model patent: multifunctional wheelchair

2018-09 utility model patent: portable blood sampling needle

2019-06 utility model patent: hemostatic fixation device after pacemaker surgery

2019-06 utility model patent: a multifunctional therapeutic plate

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