王建斌博士

新世纪百千万人才工程国家级人选，国务院特殊津贴获得者，
“赣鄱英才 555 工程”首批人选

● 教育与工作经历：

1981－1985，西南大学生物系，学士
1985－1988，山西大学生物系，硕士
1990－1995，香港中文大学生物科学系，博士
1996－1998，香港中文大学生物科学系，研究助理
1999－2000，美国纽约州立大学生物学系，博士后
2001－2009，美国康奈尔大学分子医学系，研究员
2010－2016，南昌大学转化医学研究院，特聘教授，副院长
2017－现在，南昌大学基础医学院，教授，博导，院长

● 研究兴趣、领域：

主要运用分子生物学、细胞生物学、动物模型和生物化学的手段研究肿瘤发生发展的分子机制，特别是基于肿瘤细胞中普遍存在的代谢异常的生化特征，系统研究这些特征与肿瘤的生长、侵袭和转移的关系，以及相关的信号转导通路。
Rho GTPases 与肿瘤发生发展的关系。

● 代表性论文：

1. Tianyu Han, Weihua Zhan, Mingxi Gan, Fanrong Liu, Bentong Yu, Y. Eugene Chin & Jian-Bin Wang*. Phosphorylation of glutaminase by PKCε is essential for its enzymatic activity and critically contributes to tumorigenesis. ***Cell Research*** (2018) 28:655–669; IF：15.6

2. Tianyu Han, Meng Guo, Mingxi Gan, Bentong Yu, Xiaoli Tian & Jian-Bin Wang*. TRIM59 regulates autophagy through modulating both the transcription and the ubiquitination of BECN1. ***Autophagy*** (2017). Accepted，IF：11.1

3. Weihua Zhan, Wenjuan Wang, Tianyu Han, Caifeng Xie, Tingting Zhang, Mingxi Gan, Jian-Bin Wang. COMMD9 promotes TFDP1/E2F1 transcriptional activity via interaction with TFDP1 in non-small cell lung cancer. ***Cellular Signalling*** (2017)，30: 59-66.

4. Tianyu Han, Meng Guo, Tingting Zhang, Mingxi Gan, Caifeng Xie, Jian-Bin Wang. A novel glutaminase inhibitor-968 inhibits the migration and proliferation of non-small cell lung cancer cells by targeting EGFR/ERK signaling pathway. ***Oncotarget*** (2017) Apr 25; 8(17): 28063–28073.

5. Guan, X.H., X. Hong, N. Zhao, X.H. Liu, Y.F. Xiao, T.T. Chen, L.B. Deng, X.L. **Wang, J.B**. Wang, G.J. Ji, M. Fu, K.Y. Deng, and H.B. Xin, CD38 promotes angiotensin II-induced cardiac hypertrophy. ***J Cell Mol Med*** (2017)

6. Caifeng Xie, Zhen Chen, Chengfu Zhang, Xin Xu, Jiangbo Jin, Weihua Zhan, Tianyu Han, **Jian-Bin Wang*.** Dihydromyricetin ameliorates oleic acid-induced lipid accumulation in L02 and HepG2 cells by inhibiting lipogenesis and oxidative stress. ***Life Sciences*** (2016), 157: 131–139.

7. Caifeng Xie, Xujie Bao, Wei-Hua Zhan, Tian-Yu Han, Mingxi Gan, Chengfu Zhang, Xiao-Jian Han and **Jian-Bin Wang***.A novel glutaminase inhibitor-968 reverses acquired erlotinib resistance by blocking glutamine metabolism in non-small cell lung cancer. ***Oncotarget*** (2016), 7(1): 610-21

8. Weihua Zhan, Tianyu Han, Chenfu Zhang, Caifeng Xie, Mingxi Gan, Keyu Deng, Mingui Fu* and **Jian-Bin Wang*.** TRIM59 inhibits the proliferation and migration of non-small cell lung cancer cells by targeting cell cycle related proteins. ***Plos One*** (2015)**,** 10(11): e0142596

9. Xiao-Yu Wang[1+], Ming-Xi Gan[1+], Yong Li, Wei-Hua Zhan, Tian-Yu Han, Xiao-Jian Han, Jin-Quan Cheng and **Jian-Bin Wang***. Cdc42 induces EGF receptor protein accumulation and promotes EGF receptor nuclear transport and cellular transformation. ***FEBS Letters*** (2014), 589（2）255-262.

10. Li Xiang and **Jian-Bin Wang***. Maintenance of chaperone-mediated autophagy activity in cultured cells expressing mutant huntingtin. ***Biomedical Reports*** (2014), 2: 529-532.

11. Han XJ, Yang ZJ, Jiang LP, **Wang JB** and Wan YY. Mitochondrial dynamics regulates hypoxia-induced migration and antineoplastic activity of cisplatin in breast cancer cells. ***International Journal of*** **Oncology** (2015), 46 (2): 691-700.

12. Tianyu Han[+], De Kang[+], Daokun Ji[+], Xiaoyu Wang, Weihua Zhan，Mingui Fu, Hong-Bo Xin and **Jian-Bin Wang***. How Cancer Cell Metabolism Affects Tumor Migration and Invasion**.*** ***Cell Adhesion & Migration*** (2013), 7(5)：395-403.

13. **Wang J. B**., Erickson, J. W., Fuji, R., Ramachandran, S., Gao, P., Dinavahi, R., Ambrosio, A. B., Dias, S. M., Wilson, K., Dang, C. V. & Cerione, A. R. Targeting mitochondrial glutaminase activity inhibits oncogenic transformation. ***Cancer Cell*** （2010), 18: 207-219（**封面文章**） IF: 27.5

    * 国际肿瘤专家对此文章进行了专门评论（Preview）

    Preview： Lu W, Pelicano H, Huang P. Cancer metabolism: is glutamine sweeter than glucose? Cancer Cell. 2010 Sep 14;18(3):199-200.

14. **Wang J. B**., Sonn R., Yemmsrach K., Samorodnitsky T. and Osman MA. IQGAP1 regulates cell proliferation through a novel Cdc42-mTOR pathway. ***Journal of Cell Science*** (2009), 122，2024-33 **(Highlighted editorially paper)**.

15. **Wang, J. B**., Wu, W. J. & Cerione, A. R. Cdc42 and Ras cooperate to mediatedcellular transformation by Intersectin-L. ***J. Biol. Chem*** (2005), 280, 22883-22891.

16. Feng, Q., Dan, B., **Wang, J. B.**, Ly, T., J. L. Guan & Cerione, A. R. Cool-1 functions as an essential regulatory node for EGF receptor- and Src- mediated cell growth. ***Nature Cell Biology*** (2006), 8, 945-956. IF: 19.6

17. Ly T. K., **Wang J. B**., Pereira R., Rojas K. S., Peng X., Feng Q., Cerione A. R & Wilson K. F. Activation of the Ran GTPase is subject to growth factor regulation and give rise to cellular transformation. ***J. Biol. Chem*** (2010), 285, 5815-26.

18. Fidyk, N., **Wang**, **J. B.** & Cerione R. A*. Influencing cellular transformation by modulating the rates of GTP hydrolysis by Cdc42. ***Biochemistry*** (2006), 45, 7750-7762.

19. Tu S., Wu, W. J., **Wang, J. B.** & Cerione, A. R. Epidermal growth

factor-dependent regulation of Cdc42 is mediated by the Src tyrosine kinase. ***J. Biol.Chem*** (2003), 49, 49293-49300.

20. **Wang, J. B*.** and Cheung, W. W. K. Multiple bacteroids in the bacteriome of the lantern bug *Pyrops candelaria* Linn. (Homoptera: Fulgoridae). ***Parasitology Research*** 84, 741-745 (1998). （通讯作者）

21. **Wang, J. B**. & Cheung, W. W. K. Electron microscopic studies on the a-bacteroids in the fat bodies of the lantern bug *Pyrops candelaria* Linn. (Homoptera: Fulgoridae). ***Parasitology Research*** 83, 499-503 (1997).

22. Cheung, W. W. K. & **Wang**, **J. B.** Electron microscopic studies on *Nosema mesnili* Paillot (Microsporidia: Nosematidae) infecting the Malpighian tubules of *Pieris canidia* larva. ***Protoplasma*** 186, 142-148 (1995).

23. **Wang, J. B**. et al. Effects of thermoperiod on inducing diapause in the *Ostrinia furnacalis* (Guenee) (Lepido ptera: Pyralidae). ***Journal of Shanxi University*** *(Nat. Sci. Ed.)* 18, 436-440 (1995).

24. Cheung, W. W. K. & **Wang**, **J. B.** Functional differentiation in the Malpighian tubules of *Pieris canidia* (Lepidoptera: Pieridae) larva: A histochemical study. ***Annals of the Entomological Society of America*** 87, 901-907 (1994).

25. **Wang, J. B**. & Cheung, W. W. K. Histopathological effects of *Bacillus thuringiensis* (α-endotoxin on the Malpighian tubules of *Pieris canidia* larva. ***Zoological Studies*** 33, 192-199 (1994).

26. Cheung, W. W. K. & **Wang**, **J. B.** Ultrastructural differentiation of the Malpighian tubules of *Pieris canidia* Spar. larva. ***Acta Biologiae Experimentalis Sinica*** 26, 197-213 (1993).

● 联系方式：

电话：13576981208

E-mail: jianbinwang1@gmail.com