王俊峰：中国科学院强磁场科学中心研究员，中心副主任，同时兼任磁共振生命科学部主任，中国科学院“百人计划”支持获得者，博士生导师，入选2014年度科技部“中青年科技创新领军人才推进计划”。

1992年毕业于北京大学化学系

2001年在美国佛罗里达州立大学/国家高磁场实验室获生物物理学博士学位

先后在佐治亚大学和哈佛大学医学院做博士后研究

2009年8月加入中科院强磁场科学中心

2011年11月起担任中国科学技术大学教授

主要研究方向是依托国家强磁场大科学实验装置, 发展高场磁共振波谱与成像技术,开展与重大疾病相关的膜蛋白的结构与功能研究。已在 ***Nature, Science, Nat. Struct. & Mol. Biol., Nature Communication, ACS Nano*** 等杂志上发表论文二十余篇, 目前承担的研究课题包括中科院百人计划, 国家自然科学基金面上项目, 科技部国家重大科学研究计划和财政部修购专项基金等。

欢迎有志于物质科学与生命科学交叉前沿探索的研究生和博士后加入我们的研究团队！

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Dr. Junfeng Wang, the deputy director of the High Magnetic Field Laboratory , CAS and director of the magnetic resonance division. He received his PhD degree from National High Magnetic Field Laboratory/Florida State University in 2001. Before joining High Magnetic Field Laboratory as a “Hundred Talents Program” researcher of Chinese Academy of Sciences, he conducted postdoctoral researches at University of Georgia and Harvard Medical School.

Research interests:

Many important biological functions, such as the cross-membrane nutrients transport, neural signal transduction, cell-cell interactions are implemented by membrane proteins, which count for 30% of the protein genomes. Mutations and dysfunctions of membrane proteins and membrane-associated proteins result in various diseases, and over 60% of current drug targets are membrane proteins. The ongoing researches in the lab focus on membrane protein structure determination and protein-lipid interactions, with the goal of providing structural and dynamical insights on cross-membrane signaling and other protein-membrane recognition events. The primary tool we are using is solution NMR spectroscopy, which is ideal for determining protein structure, characterizing protein dynamics and inter-molecular interactions in solution.

Education background

2001 Ph.D. National High Magnetic Field Laboratory/Florida State University

1995 M.S. Beijing Medical University

1992 B.S. Department of Chemistry, Peking University

Working experiences

2009- present joint professor at University of Science and Technology of China (USTC)

2009- present Professor, director of the magnetic resonance division, CHMFL,

2004-2009 Postdoctoral Research
Department of Biological Chemistry and Molecular Pharmacology
Harvard Medical School

2001-2004 Postdoctoral Research
Southeast Structural Genomics Center
University of Georgia

Opportunities

Postdoc and graduate student positions are available in the lab. Students and postdocs with strong background in biology, chemistry and physics are very welcome, especially those with hand-on experiences in NMR are highly preferred. If interested, please send your CV to junfeng@hmfl.cas.cn.

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主要代表性工作（**Selected Publications**）：

1) Fazhan Shi, Qi Zhang, Pengfei Wang, Hongbin Sun, Jiarong Wang, Xing Rong, Ming Chen, Chenyong Ju, Friedemann Reinhard, Hongwei Chen, Jörg Wrachtrup, **Junfeng Wang**, Jiangfeng Du*. (2015) Protein imaging. Single-protein spin resonance spectroscopy under ambient conditions. ***Science*** 347(6226):1135-8. **(featured story)**
2) Yue Yuan#, Hongbin Sun#, Shuchao Ge#, Mengjing Wang, Hongxin Zhao, Lin Wang, Linna An, Jia Zhang, Huafeng Zhang, Bing Hu*, **Junfeng Wang***, Gaolin Liang*. (2015) , Controlled Intracellular Self-Assembly and Disassembly of 19 F Nanoparticles for MR Imaging of Caspase 3/7 in Zebrafish. ***ACS Nano*** 9(1):761-768.
3) Shi X#, Bi Y#, Yang W#, Guo X, Jiang Y, Wan C, Li L, Bai Y, Guo J, Wang Y, Chen X, Wu B, Sun H, Liu W, **Wang J***, Xu C*. (2013) Ca2+ regulates T cell receptor activation by modulating phospholipid electrostatic property. ***Nature*** 493(7430):111-5.
4) **Wang J**, Pielak R, McClintock M, Chou J. (2009) Solution Structure and Functional Analysis of the Influenza B Proton Channel. ***Nature Struct. Mol. Biol.*** 16:1267. **(featured story)**