**陈群教授简介**

1963年10月生，1984年毕业于复旦大学激光物理专业，1991年在美国密执安州奥克兰大学生物医学专业获博士学位PhD。2002年10月被聘任为广东省激光生命重点实验室光动力学研究中心主任，博士生导师,华南师范大学A岗教授。近年来在Photochem. Photobiol， Radiat. Res.等著名杂志上发表论文几十篇，大部分被SCI系统收录。目前研究方向通过生物组织的正常与异常代谢的光子学直接诊断，进行恶性肿瘤的早期诊断、癌症转移的定量描述；利用高灵敏度的发光探针与单分子标记技术结合，实现高灵敏度的快速早期病变信息诊断；肿瘤光动力治疗中的新型高效光敏剂及其机理研究；光动力学和声动力学肿瘤早期诊断技术及治疗技术研究。为本项目负责人。

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主要论著

1. Shengnan Wu, Feifan Zhou,Yanchun Wei, W. R.Chen, **Qun Chen,**, & Da Xing. Cancer Phototherapy Via Selective Photoinactivation of Respiratory Chain Oxidase to Trigger a Fatal Superoxide Anion Burst. Antioxidants & redox signaling, 2014,20(5), 733-746. (SCI indexed, IF 8.456)

2. Qingzhou Ling, Chengbo Meng, **Qun Chen**, Da Xing,Activated ERK/FOXM1 Pathway by Low-Power Laser Irradiation Inhibits UVB-Induced Senescence through Down-Regulating p21 Expression, J. Cell. Physiol., (2013), (SCI indexed, IF 7.3)

3．Jiaxing Song, **Qun Chen,** Da Xing,, Enhanced apoptotic effects by downregulating Mcl-1: Evidence for the improvement of photodynamic therapy with Celecoxib, ,[Volume 319, Issue 10](http://www.sciencedirect.com/science/journal/00144827/319/10), 10 June 2013, Pages 1491–1504

4. Huang Qin, Ting Zhou, Sihua Yang, **Qun Chen** and Da Xing,GdIII-gold nanorods for MRI-IVPAI dual-modality detection of macrophages in atherosclerotic plaques,Nanomedicine, in press, doi: 10.2217/NNM.12.168 (2013). (SCI indexed, IF 7.3)

5.Xichao Wang, **Qun Chen**, Da Xing,Focal Adhesion Kinase Activates NF-\_B via the ERK1/2 and p38MAPK Pathways in Amyloid-\_25-35-Induced Apoptosis in PC12 Cells Journal of Alzheimer’s Disease 32， 2012，77–94.（SCI IF 5.1）

6. Huan Qin, Ting Zhou, Sihua Yang, **Qun Chen** and Da Xing GdIII-gold nanorods for MRI and PAI dual-modality detection of macrophages in atherosclerotic inflammation Future Nanomedicine，accepted，2012.  (SCI indexed, IF 6.0)

7. Cunguang Lou, Sihua Yang, Zhong Ji, **Qun Chen**, and Da Xing. Ultrashort Microwave-Induced Thermoacoustic Imaging: A Breakthrough in Excitation Efficiency and Spatial Resolution. PHYSICAL REVIEW LETTERS，109, 218101 2012.  (SCI indexed, IF 7.3)

8. Aiguo Zhou, Yanchun Wei, Baoyan Wu, **Qun Chen**, Da Xing Pyropheophorbide a and c(RGDyK) co-modified chitosan-wrapped upconversion nanoparticle for targeted near-infrared photodynamic therapy, Molecular Pharmaceutics, DOI: 10.1021/mp200590y, 2012. (SCI IF 4.5)

9. Yanchun Wei, **Qun Chen**, Baoyan Wu, Aiguo Zhou and Da Xing.High-sensitivity in vivo imaging for tumor using spectral upconversion nanoparticle NaYF4: Yb+3, Er+3 in cooperation with microtubulin inhibitor. Nanoscale, 4, 3901 2012 .(SCI IF 5.9)

10. Yanchun Wei, Jiaxing Song,  **Qun Chen,**Da Xing, Enhancement of Photodynamic Antitumor Effect With Pro-Oxidant Ascorbate. Lasers Surg Med, 44期, pp 69-75, 2012.(SCI收录)

11. Hongyou Zhao, Da Xing, **Qun Chen,** New insights of mitochondria reactive oxygen species generation and cell apoptosis induced by low dose photodynamic therapy European JournaL of Cancer, 47卷, pp 2750-2761,(2011).(SCI收录)

12. Yanchun Wei, Jiaxing Song, **Qun Chen**， 'In vivo Detection of Chemiluminescence to Monitor Photodynamic Threshold Dose for Tumor Treatment' has been passed to our Editorial Production department. Photochem. Photobiol. Sci., Photochemical & Photobiological Sciences, 10(6), pp 1066-1071, 2011.(SCI).(SCI收录)

13 Li, Yunlong, Xing, Da, **Chen, Qun**, Chen, Wei R Enhancement of chemotherapeutic agent-induced apoptosis by inhibition of NF-kappa B using ursolic acid International Journal of Cancer, 127(2), pp 462-473, 2010.(SCI收录)

14. Ying Yang, Da Xing, Feifan Zhou, **Qun Chen**,Mitochondrial autophagy protects against heat shock-induced apoptosis through reducing cytosolic cytochrome c release and downstream caspase-3 activation, [Biochem. Biophys. Res. Commun.](http://laser.scnu.edu.cn/xingdaPDF/2010pdf/Yang%20Ying%20BBRC%202010.pdf), 395, 190-195, 2010. (SCI收录)

15. Liyong Yang, Yanchun Wei, Da Xing, and **Qun Chen**, “Increasing the Efficiency of Photodynamic Therapy by Improved Light Delivery and Oxygen Supply Using an Anticoagulant in a Solid Tumor Model Lasers in Surgery and Medicine 42:671–679， 2010. (SCI收录)

16. Shiming Luo, Da Xing, Yanchun Wei, **Qun Chen**，“Effect of Mitochondrial Photosensitizer Photofrin on Cellular Autophagy” Journal of Cellular Physiology, Volume 224, Issue 2 (p 414-422), 2010. (SCI收录)

17. Shiming Luo, **Qun Chen**, Eduardo Cebollero, Da Xing“Mitochondria: One of the origins for autophagosomal membranes?” Mitochondrion 9（4），227-231， 2009. (SCI收录)

18. Y. C. Wei,, D Xing, S.m. Luo (1), W. Xu , **Q. Chen** “Monitoring singlet oxygen in situ with delayed chemiluminescence to deduce the effect of photodynamic therapy,” *J. Biomed. Opt.* 09493, 2010. (SCI收录)