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师资队伍

基本构成
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人才需求

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主要研究方向: 蛋白质组学、蛋白质组学研究方法建立、利用化学生物学、蛋白质组学以及分子生物学等技术研究哺乳动物配子发生的分子调控机制。

教育及工作经历

2013/07 - 至今, 内蒙古大学, 实验动物研究中心, 助理研究员

2008/09 - 2013/07, 南开大学, 化学学院, 元素有机国家重点实验室, 化学生物学专业博士(直博生), 导师:

2004/09 - 2008/07, 南开大学, 化学学院化学系, 学士

主持科研项目:

- 1、国家自然科学基金(地区基金项目): **RanBP1**在卵母细胞减数分裂成熟及早期胚胎发育中的作用, 2016年-2017年
- 2、内蒙古大学高层次人才引进科研启动项目: 卵母细胞体外成熟、受精以及早期胚胎体外发育促进因子的探寻以及优化, 2013-2017年。

专著与教材

参与编著《动物解剖学、组织学与生殖生物学简明教程》, 内蒙古大学出版社, 2016.7, ISBN978-7-5665-1111-1

发表论文情况:

1. [Yue-Fang Zhao](#) and Cheng-Guang Liang*, The Role of Casein Kinase 1 in Meiosis, J Down Syndr Chr Abn of Down Syndrome & Chromosome Abnormalities) 2016, 2:1.
2. Yan-Jiao Li, Zhe Han, Lei Ge, Cheng-Jie Zhou, [Yue-Fang Zhao](#), Dong-Hui Wang, Jing Ren, Xin-Xin Niu & Cheng-Guang Liang*, C-phycoyanin protects against low fertility by inhibiting reactive oxygen species in aging Oocyt, Oncotarget, 2016, 7:17393-409
3. Cheng-Jie Zhou, Dong-Hui Wang, Xin-Xin Niu, Xiang-Wei Kong, Yan-Jiao Li, Jing Ren, Hong Xia Zhou, [Ar Yue-Fang Zhao](#) & Cheng-Guang Liang*. High survival of mouse oocytes using an optimized vitrification protocol, Rep, 2016, 6:19465.
4. Cheng-Jie Zhou, Sha-Na Wu, Jiang-Peng Shen, Dong-Hui Wang, Xiang-Wei Kong, Angeleem Lu, Yan-Jiao Xia Zhou, [Yue-Fang Zhao](#) & Cheng-Guang Liang*. The beneficial effects of cumulus cells and oocyte-cumulus gap junctions depends on oocyte maturation and fertilization methods in mice, Peerj, 2016, 4:e1761
5. [Yuefang Zhao](#), Congwei Niu, Xin Wen, Zhen Xi*, The minimum activation peptide from ilvH can activate the subunit of AHAS from different species, ChemBioChem, 2013, 14 (6), 746-752.
6. [Yuefang Zhao](#), Xin Wen, Congwei Niu, Zhen Xi*, Arginine 26 and aspartic acid 69 of regulatory subunit are residues of subunits interaction of acetohydroxyacid synthase isozyme III from *Escherichia coli*, ChemBioChem, 2013, 13 (16), 2445-2454.
7. Fanbo Song, Jing Zhang, [Yuefang Zhao](#), Wenbin Chen, Luyuan Li, Zhen Xi*, Synthesis and antitumor activity of inositol phosphotriester analogues, Org. Biomol. Chem., 2012, 10 (18), 3642-3654.
8. Lu Sun, Xin Wen, Ying Tan, Heyang Li, Xing Yang, [Yuefang Zhao](#), Baifan Wang, Qiongyao Cao, Congwei Niu, Zhen Xi*, Site-directed mutagenesis and computational study of the Y366 active site in Bacillus subtilis protoporphyrinogen oxidase, Amino Acids, 2009, 37 (3), 523-530.
9. Yuefang Zhao, Yuchuan Miao, Congwei Niu, Zhen Xi*. Truncation Study of the Regulatory Subunit of



- Acetohydroxyacid Synthase Isoenzyme III from *Escherichia coli*; The 7th National Conference on Chemical Biochemistry, Nanjing, 2011.
10. [Yuefang Zhao](#), F. Yang, X. Wen, C. Niu*, Z. Xi*, Target on subunit interaction of AHAS for potential pesticide discovery, 12th IUPAC International Congress of Crop Protection Chemistry, Melbourne Australia, 2010.
 11. C. Niu, Z. Yu, W. Feng, Y. He, [Yuefang Zhao](#), N. Hou, X. Wen, X. Su, Z. Xi*, Molecular basis for the herbicidal activity of AHAS, 12th IUPAC International Congress of Crop Protection Chemistry, Melbourne Australia, 2010.
 12. [Yuefang Zhao](#), Xin Wen, Hui Qu, Congwei Niu*, Zhen Xi*, Interactions between catalytic and regulatory subunits of *Escherichia coli* acetohydroxyacid synthase III, The 27th Chinese Chemical Society Congress, Xiamen. 2011.
 13. Lu Sun, Xin Wen, Ying Tan, Heyang Li, [Yuefang Zhao](#), Congwei Niu, Zhen Xi*, Study on mutants of protoporphyrin IX oxidase from the aerobic bacterium *Bacillus subtilis* within substrate-binding site, The 26th Chinese Chemical Society Congress, Tianjin, 2008.

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