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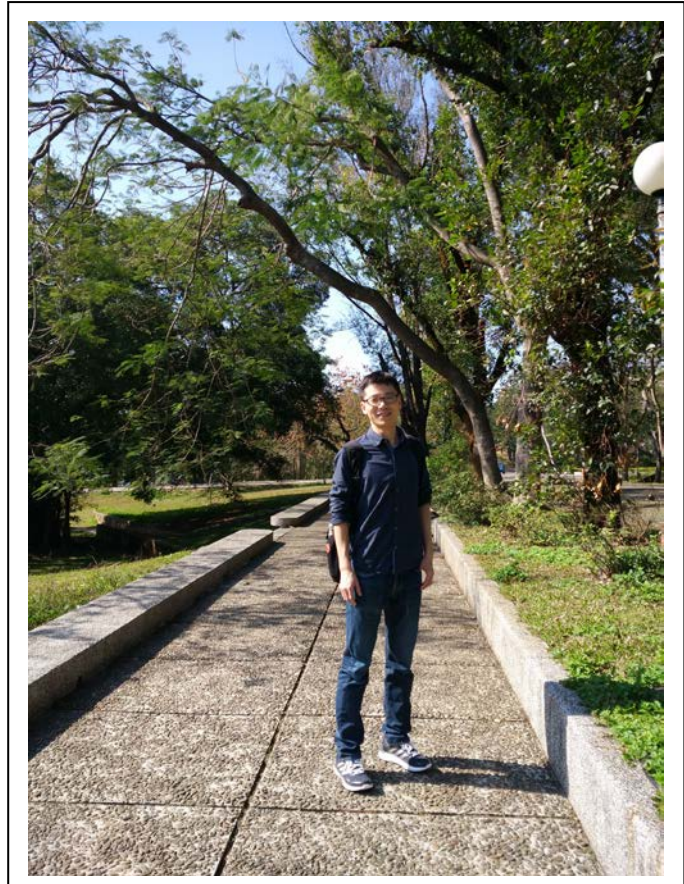
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主要研究方向：

1. 微生物生理与代谢
2. 抗生素杀菌及耐药机制



目前研究项目：

1. 希瓦氏菌中 D 型 β -内酰胺酶诱导表达及其耐药机制的研究（国家自然科学基金青年基金，主持，2017-2019）
2. 希瓦氏菌 D 型 β -内酰胺酶诱导表达关键调控蛋白的鉴定（江西省自然科学基金，主持，2017-2018）

发表论文：

1. Yu Z*, Zhu Y, Qin W, Yin J, Qiu J*. 2017. Oxidative stress induced by polymyxin e is involved in rapid killing of *Paenibacillus polymyxa*. **BioMed Research International**. Article ID

5437139.

2. Yu Z*, Yang Y, Wang Y, **Yin J**, Qiu J*. 2017. Reactive oxygen species-scavenging system is involved in L-amino acid oxidase accumulation in *Pseudoalteromonas* sp. B3. 3 Biotech. 7: 326.

3. 吴根福, 音建华. 2017. 肽聚糖循环及细菌对 β -内酰胺类抗生素的耐受性. 中国药理学杂志. 52(3): 180-184.

4. **Yin J**[#], Meng Q[#], Fu H, Gao H*. 2016. Reduced expression of cytochrome oxidases largely explains cAMP inhibition of aerobic growth in *Shewanella oneidensis*. **Scientific Reports**. 6:24449.

5. Ma Y, Liu F, Kong Z, **Yin J**, Kou W, Wu L*, Ge G*. 2016. The distribution pattern of sediment archaea community of the Poyang Lake, the largest freshwater lake in China. **Archaea**. Article ID 9278929.

6. Jin M, Fu H, **Yin J**, Yuan J, Gao H*. 2016. Molecular underpinnings of nitrite effect on CymA-dependent respiration in *Shewanella oneidensis*. **Front. Microbiol.** 7:1154. doi: 10.3389/fmicb.2016.01154.

7. **Yin J**, Sun Y, Mao Y, Jin M, Gao H*. 2015. PBP1a/LpoA but not PBP1b/LpoB are involved in regulation of the major β -lactamase gene *blaA* in *Shewanella oneidensis*. **Antimicrobial Agents and Chemotherapy**. 59(6): 3357-3364.

8. **Yin J**[#], Jin M[#], Zhang H, Ju L, Zhang L, Gao H*. 2015. Regulation of nitrite resistance of the cytochrome *cbb₃* oxidase by cytochrome *c* ScyA in *Shewanella oneidensis*. **MicrobiologyOpen**. 4(1): 84-99.

9. Gao T[#], Ju L[#], **Yin J**, Gao H*. 2015. Positive regulation of the *Shewanella oneidensis* OmpS38, a major porin facilitating anaerobic respiration, by Crp and Fur. **Scientific Reports**. doi:10.1038/srep14263.

10. Chen H[#], Luo Q[#], **Yin J**, Gao T, Gao H*. 2015. Evidence for requirement of CydX in function but not assembly of the cytochrome *bd* oxidase in *Shewanella oneidensis*. **Biochimica et Biophysica Acta (BBA-General Subjects)**. 1850(2): 318-328.

11. **Yin J**, Mao Y, Ju L, Jin M, Sun Y, Jin S, Gao H*. 2014. Distinct roles of major peptidoglycan recycling enzymes in β -lactamase production in *Shewanella oneidensis*. **Antimicrobial Agents and Chemotherapy**. 58(11): 6536-6543.

12. **Yin J**, Sun L, Dong Y, Chi X, Zhu W, Qi S-h, Gao H*. 2013. Expression of *blaA* underlies unexpected ampicillin-induced cell lysis of *Shewanella oneidensis*. **PLoS ONE**. 8(3): e60460.

13. Zhou G, **Yin J**, Chen H, Hua Y, Sun L, Gao H*. 2013. Combined effect of loss of the *caa₃*

oxidase and Crp regulation drives *Shewanella* to thrive in redox-stratified environments. **ISME Journal**. 7(9): 1752-1763.

14. Jin M, Jiang Y, Sun L, **Yin J**, Fu H, Wu G, Gao H*. 2013. Unique organizational and functional features of the cytochrome *c* maturation system in *Shewanella oneidensis*. **PLoS ONE**. 8(9): e75610.

15. **Yin J**, Gao H*. 2011. Stress responses of *Shewanella*. *Inter. J. Microbiol.* Article No. 863623.

教学情况:

1. 本科生课程《微生物学》及《微生物学实验》
2. 研究生课程《现代微生物学》

欢迎有志于微生物学研究的学生报考研究生!

欢迎对微生物研究有兴趣的本科生到本实验室进行科研训练!