

Zepeng (Phoenix) Mu

Preferred Name: Phoenix

Mobile: 773-620-4581

E-mail: zpengmu@uchicago.edu, muzepeng@gmail.com

Website: zpengmu.netlify.com

EDUCATION

07/2018 **Bachelor of Science in Life Sciences**
University of Chinese Academy of Sciences, Beijing, China

PUBLICATIONS

El Charif, Omar, **Zepeng Mu**, Eric R. Gamazon et al. "Pharmacokinetic (PK) modeling of serum platinum to reveal extent of long-term exposure and associated comorbidities after cisplatin treatment." *Journal of Clinical Oncology* 36 (15_suppl), (2018): 10058-10058

Zepeng Mu, Zhuoning Zou, Ye Yang et al. "A genetically engineered *Escherichia coli* that senses and degrades tetracycline antibiotic residue." *Synthetic and Systems Biotechnology*. In Press

EXPERIMENTAL SKILLS

Wet-lab Molecular cloning, Luciferase reporter assay, Cell culturing, qRT-PCR
Dry-lab R, UNIX, GWAS, RNA/4C-seq analysis, CIRCOS, Python, LaTeX

RESEARCH EXPERIENCE

08/2017 - 07/2018 **Pathogenesis of risk loci associated with type 2 diabetes**
Advisor: Prof. Changqing Zeng, Beijing Institute of Genomics, Chinese Academy of Sciences

10/2017 – 03/2018 **Genome-wide Association Study of cytotoxicity of cisplatin-related chemotherapy agents**
Advisor: Prof. M. Eileen Dolan, Department of Medicine, University of Chicago

11/2016 - 07/2017 **Biophysics of bacteriorhodopsin Ndr2 as a novel sodium ion pump**
Advisor: Dr. Deliang Chen, College of Life Sciences, University of Chinese Academy of Sciences

03/2016 - 11/2016 **Characterization of bacteria Toxin-Antitoxin (TA) systems for a kill-switch in engineered *E. coli***
Advisor: Prof. Chunbo Lou, Institute of Microbiology, Chinese Academy of Sciences

AWARDS AND HONORS

07/2018 Beijing Outstanding Graduate Thesis

07/2018 Beijing Honored College Graduates

11/2016 *Silver Medal*, international Genetically Engineered Machine (iGEM) Competition

11/2016 *First-Class Scholarship*, University of Chinese Academy of Sciences