

Jian Zou

Resume

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EDUCATION

Columbia University, Mailman School of Public Health, New York, NY *Expected June 2019*
MS in Biostatistics (Theory and Method track) || GPA: 3.92 (1st semester)

Central China Normal University, School of Life Science, Wuhan, China *June 2017*
BS in Biology and Chemistry (Dual Degree) || GPA: 3.85/4.0

- Excellent Graduate
- Research Assistant at Laboratory of Environmental Biomedicine
- Member of a specialized research-oriented interdisciplinary program under Life Science

EXPERIENCE

Researcher, Graduation Thesis *November 2016 – March 2017*

Research Project: Effects of tea polyphenols on neurotoxicity in mice

- Designed experiment after literature review
- Conducted behavior experiment, oxidative stress evaluation and DNA injury evaluation
- Wrote the thesis and completed graduation defense of dissertation

Intern, Information Division, Shenzhen Center for Disease Control and Prevention *July – August 2016*

- Understood the sampling process of mortality surveillance system
- Handled missing values and made quality check of citizen death and air pollution data
- Participated in the correlation analysis of the air pollution and cardiovascular mortality

Team Leader, National University Students Innovation Program *March – December 2015*

Research Project: Application of glutathione to antagonize H₂O₂-induced oxidative stress in rat tracheal epithelial cells (sponsored by the Ministry of Education of the P.R. China)

- Designed experiment and procedure
- Evaluated the activity and the level of oxidative stress of NR8383 and RTE cells
- Processed and visualized experimental data
- Won second prize at National Life Science Innovation Experiment Contest

Participant, Extensive Training Course *May – June 2015*

Program: Identifying Chemical Carcinogens

- Sorted data about chemical carcinogens with international classification methods
- Delivered a presentation about the carcinogenicity of formaldehyde based on literature research

PUBLICATION

Jian Zou, Jinbo Yu, Yuqing Zhu, Jiali Zhu, Jing Du, & Xu Yang (2016). "Application of Glutathione to Antagonize H₂O₂-induced Oxidative Stress in Rat Tracheal Epithelial Cells", *Frontiers in Biology* (ISSN: 1674-7992).

SKILLS

Computers: Microsoft Office, GraphPad Prism, Matlab, Origin, R, SPSS