Baozhu Cai

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Website: https://leonacai.github.io

Education

Hainan University (2010 – 2014)   **Hainan, China**

- B.S. in Agriculture with three-year Agriculture Scholarships (2010 - 2013)

- Average score: 85.1/100 (last 60 credits) and rank 12 from top in the major

Research interest

Bioinformatics; Complex Diseases

Research Experience

- **State Key Laboratory of Genetic Engineering of School of Life Science of Fudan University** (2015 – 2019)

  Research assistant   Shanghai, China

  Advisors: Dr. Feng Zhang

  Research theme: Genetic analysis of reproductive system disease, birth defect and cancer in bioinformatics methods

- **Hainan University** (2010 – 2014)

  Undergraduate Researcher   Hainan, China

  Advisors: Dr. Zhiqiong Tan

  Research theme: Found the medicinal and health value of Muntingia calabura L.

  Advisors: Dr. Xudong Yu

  Research theme: Determined the anti-microbial activity of Bacillus subtilis B25 to some

Publications

 * ACKNOWLEDGEMENTS

1. Xi Yang, Xiaojin Zhang, Jiao Jiao, Feng Zhang, Yuncheng Pan, Qiqi Wang, Qing Chen, **Baozhu Cai**, Shuyan Tang, Zixue Zhou, Siyuan Chen, Hao Yin, Wei Fu, Yang

Luo, Da Li, Guoqing Li, Lingyue Shang, Jialing Yang, Li Jin, Qinghua Shi, Yanhua Wu. "Rare variants in FANCA induce premature ovarian insufficiency." Human genetics (2019): 1-10.

2. Zhang, Ling, Ximing Xu, Kaiqiang Sun, Jingchuan Sun, Yuan Wang, Yang Liu, Nan Yang, Chengqiu Tao, **Baozhu Cai**, Guodong Shi, Feng Zhang, Jiangang Shi." A de novo mutation in DHD domain of SKI causing spina bifida with no craniofacial malformation or intellectual disability." American Journal of Medical Genetics Part A 179.6 (2019): 936-939.

3. Qiqi Wang, Da Li, **Baozhu Cai**, Qing Chen, Caihua Li, Yanhua Wu, Li Jin, Xiuxia Wang, Xiaojin Zhang, Feng Zhang. "Whole exome sequencing reveals SALL4 mutations in premature ovarian insufficiency: an update on genotype-phenotype correlations." Human genetics 138.1 (2019): 83-92.

4. Qing Chen, Qi-Qi Wang, **Bao-Zhu Cai**, Xiao-Jun Ren, Feng Zhang, Xiao-Jin Zhang. "Analysis of the fragile X mental retardation 1 premutation in Han Chinese women presenting with primary ovarian insufficiency." Reproductive and Developmental Medicine 1.1 (2017): 9.

5. * Wang, Lingbo, et al. "Joint utilization of genetic analysis and semi-cloning technology reveals a digenic etiology of Müllerian anomalies." Cell Research(2019): 1-4.

Independent Coursework

- Grammar and Punctuation - Coursera (University of California, Irvine)

- An Introduction to Interactive Programming in Python (Part 1) - Coursera (Rice University)

- Biology Meets Programming: Bioinformatics for Beginners (learning) - Coursera (University of California, SanDiego)

- Machine Learning (learning) - Coursera (Stanford University)

- Finding Hidden Massages in DNA(bioinformatics I) - Coursera (University of California, SanDiego)

- Language C - National Computer Rank Examination certificate - Language C

Skills

C; Python; R; Python; Perl