

OPHIR BETSER

Currently searching for a PhD student position

Please note that this is a *real* resume, and I'm really looking for a PhD student position at the moment. I made this resume because Yihui asked me if I'd like to test the **pagedown** package with my resume. If you are interested in my background and skills, please feel free to contact me.

EDUCATION

- 2010 • **Beijing University of Chemical Technology**
B.S. in Information and Computing Sciences 📍 Beijing, China
- Thesis: Dyadic wavelet and its application in edge detection
- 2014 • **University of Chinese Academy of Sciences**
M.S. in Bioinformatics 📍 Beijing, China
- Thesis: A multi-omics study for intra-individual divergence of the distributions between mRNA isoforms in mammals

RESEARCH EXPERIENCE

- 2011 | 2014 • **Graduate Research Assistant**
Beijing Institute of Genomics, Chinese Academy of Sciences 📍 Beijing, China
- Performed computational biology research towards understanding regulation of alternative splicing in human and mouse transcriptome.
 - Found EGFR pathway related mutations, aimed to understand the impacts of cancer mutations on EGFR signaling pathway.
- 2015 | 2016 • **Bioinformatician**
My Health Gene Technology Co., Ltd. 📍 Beijing, China
- Investigated how cancer cells spread to other parts of the body at the single cell level.
- 2016 | 2018 • **Visiting Scientist**
University of Alabama at Birmingham 📍 AL, USA
- Investigated the role of mitochondria in development of cancer.
 - Investigated the evolution of genome architecture and its role in important evolutionary events.
 - Detected thrombotic thrombocytopenic purpura related mutations in multiple patients' blood genome.



CONTACT INFO

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For more information, please contact me via email.

SKILLS



Experienced in statistical analysis, statistical learning models, and optimization methods.

Full experience with next generation sequencing data analysis.



Highly skilled in R, Bash, Perl, Python, LaTeX

Last updated on 2021-10-18.


PROFESSIONAL EXPERIENCE

- 2014 • **Data Scientist, intern**
SupStat Inc.  Beijing, China
- Taught R language to beginners.
 - Wrote Shiny app demos.
 - Converted statistical tutorials from SPSS to R language.
- 2015 • **Bioinformatician**
My Health Gene Technology Co., Ltd.  Beijing, China
- 2016
- Analyzed whole-exome sequencing data.
 - Wrote analysis pipelines of ChIP-seq, single cell DNA-seq and single cell RNA-seq.
 - Studied tumor metastasis and wrote research reports.
 - Also did case studies to identify the genetic defect causing rare disease.

TEACHING EXPERIENCE

- 2014 • **Introduction to R Language for Beginners.**
Instructor of R and Data Mining Training Courses at SupStat Inc.  Beijing, China
- 2016 • **Computational Biology and Bioinformatics.**
Teaching assistant of GBS CB2-201 courses at UAB  AL, USA
- 2017

SELECTED PUBLICATIONS AND POSTERS

- 2014 • **Genetic and epigenetic signals are found predictive to the distribution of intra-individual divergence of alternative splicing.**
Poster for 2013 International Conference of Genomics  Qingdao, China
- Yu L, Chen B, Zhang Z.
- 2016 • **ESCRT-0 complex modulates Rbf mutant cell survival by regulating Rhomboid endosomal trafficking and EGFR signaling.**
J Cell Sci. 2016 May 15;129(10):2075-84.
Sheng Z, Yu L, Zhang T, Pei X, Li X, Zhang Z and Du W.