

Curriculum Vitae

Name Guangyuan(Frank) Li
Address Division of Biomedical Informatics, 3333 Burnet Avenue, Cincinnati Children's
Hospital Medical Center, Cincinnati, OH 45229
Email li2g2@mail.uc.edu
Website <https://github.com/frankligy>

Personal Statement

I am a computational methods developer with a focus on single-cell genomics and alternative splicing data. In addition to that, I have a particular interest in facilitating the discovery of novel cancer immunotherapy and plan to turn it into my career goal.

Education

08/2019 - present PhD student, Division of Biomedical Informatics
Cincinnati Children's Hospital Medical Center, United States
Laboratory of Professor Nathan Salomonis, PhD

09/2018 - 04/2019 Exchange Student, Biodesign Institute
Arizona State University, United States
Laboratory of Professor Wei Liu, PhD

09/2015 - 06/2019 Bachelor of Science, Division of Life Science
Wuhan University, China

Research Experience

08/2019 - present Laboratory of Professor Nathan Salomonis, PhD (CCHMC), Developing
computational methods in single-cell genomics and alternative splicing data

09/2018 - 04/2019 Laboratory of Professor Wei Liu, PhD (Arizona State University), Solving
Crystal structures of GPCR-G complex

03/2018 - 06/2018 BGI Research, Novel Cancer immunotherapy and preclinical trials

11/2017 - 11/2018 International Genetically Engineered Machine (IGEM) competition (Wuhan
University), Synthetic Biology, an engineered bacteria to clean wastewater

Publication

1. **Li, Guangyuan***, Balaji Iyer, V. B. Surya Prasath, Yizhao Ni, and Nathan Salomonis. 2021. "DeepImmuno: Deep Learning-Empowered Prediction and Generation of Immunogenic Peptides for T-Cell Immunity." ***Briefings in Bioinformatics***, May. <https://doi.org/10.1093/bib/bbab160>.
2. **Li, Guangyuan***, Baobao Song, H. L. Grimes, V. B. Surya Prasath, and Nathan

Salomonis. 2021. "scTriangulate: Decision-Level Integration of Multimodal Single-Cell Data." **bioRxiv**. <https://doi.org/10.1101/2021.10.16.464640>.