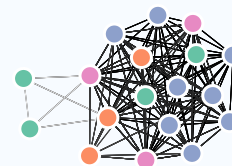


ALEX RAJEWSKI

Experienced bioinformatician with extensive experience in oncology, drug screening, single-cell sequencing, spatial transcriptomics, epigenetics, genome assembly, and phylogenetics. Also skilled in pipeline development, include Nextflow, Docker, Singularity, and Git. I am an excellent science communicator to both [public](#) and [professional](#) audiences.



EDUCATION

- 2020 • **PhD Bioinformatics & Plant Biology**
University of California, Riverside
- 2015 • **MS Horticulture**
University of Georgia
- 2010 • **BS Biochemistry, Cell, and Molecular Biology**
Drake University



WORK EXPERIENCE

- current | 2022 • **Bioinformatics Scientist**
SEngine Precision Medicine
 - Development of high-throughput drug screening analysis pipelines in R
 - Consultation on experimental design and statistical analysis
- 2022 | 2021 • **Research Bioinformatician II**
Cedars-Sinai Genomics Core
 - Advanced analysis of single-cell RNA-seq, spatial transcriptomics, WES/WGS, CUT&Tag, ATAC-seq
 - Pipeline development with Nextflow, Docker, and Git
- 2012 | 2011 • **Congress-Bundestag Fellow & Research Intern**
Universität Rostock
 - Vaccine production in transgenic plants
 - Developed plant transformation methods in lupine, pea, tobacco, and potato
- 2011 | 2010 • **Research Assistant**
Pioneer Hi-Bred (Corteva)
 - Developed SQL database to integrate phenotypic and genotypic measurements

CONTACT

- ✉ AlexCRajewski@gmail.com
- 🐙 github.com/rajewski
- 🔗 rajewski.github.io
- in [in/alexrajewski](https://www.linkedin.com/in/alexrajewski)
- 🐦 [Rajewski](https://twitter.com/Rajewski)

LANGUAGE SKILLS

R	
German	
Docker/Singularity	
Shell	
Nextflow	
Python	
SQL	
汉语	

Aug
2009
|
May
2009

- **NSF Research Intern**
North Carolina State University
• Validated viral protein production in novel hosts



PEER-REVIEWED PUBLICATIONS

- 2023 ● **Stacking the odds: Multiple sites for HSV-1 latency**
Science Advances.
Shaohui Wang, Xueying Song, **Alex Rajewski**, Chintda Santiskulvong, and Homayon Ghiasi
- 2022 ● **Multispecies Transcriptomes Reveal Core Fruit Development Genes**
Frontiers in Plant Science
Alex Rajewski, Dinusha Maheepala, Jessica Le, Amy Litt
- 2022 ● **SOX9 switch orchestrates dynamic Wnt niches and kidney myofibroblast activity**
Cell (In Review)
Z. Wang; S. Aggarwal; **A. Rajewski**; M.K. Bhasin; K. Suresh; M. Yamashita; H. Akiyama; S.A.Karumanchi; S.C. Jordan; P.W. Noble; P.E. Cippà; S. Kumar.
- 2022 ● **Cell therapy attenuates endothelial dysfunction in hypertensive rats with heart failure and preserved ejection fraction**
Heart and Circulatory Physiology
G. de Couto, T. Mesquita, X. Wu, **A. Rajewski**, F. Huang, A. Akhmerov, N. Na, D. Wu, Y. Wang, L. Li, M. Tran, P. Kilfoil, E. Cingolani, E. Marbán
- 2021 ● **Datura Genome Reveals Duplications of Psychoactive Alkaloid Biosynthetic Genes and High Mutation Rate Following Tissue Culture**
BMC Genomics
Alex Rajewski, Derreck Carter-House, Jason Stajich, and Amy Litt
- 2019 ● ***in Vitro* Plant Regeneration and *Agrobacterium tumefaciens*-mediated Transformation of *Datura stramonium***
Applications in Plant Science
Alex Rajewski, Kevan Elkins, Ashley Henry, Joyce Van Eck, and Amy Litt
- 2019 ● **Evolution and Diversification of *FRUITFULL* Genes in Solanaceae**
Frontiers in Plant Science
Dinusha Maheepala, Chris Emerling, **Alex Rajewski**, Jenna Macon, Maya Stahl, Natalia Pabón-Mora, and Amy Litt
- 2018 ● **Classification and phylogenetic analyses of the Arabidopsis and tomato G-type lectin receptor kinases**
BMC Genomics
Marcella A. Teixeira, **Alex Rajewski**, Jiangman He, Olenka G. Castaneda, Amy Litt, and Isgouhi Kaloshian