Stanford



Franz Ake

Postdoctoral Scholar, Pathology

Bio

BIO

Dr. Ake is a computational biologist specializing in single-cell transcriptomics, alternative polyadenylation, and isoform regulation. His research focuses on developing computational methods and bioinformatic pipelines to characterize post-transcriptional regulation and differential isoform usage at single-cell resolution. During his PhD under the mentorship of Dr. Mireya Plass at the University of Barcelona and the IDIBELL Research Institute in Barcelona, Spain, he developed approaches for isoform quantification and the analysis of differential isoform usage in single-cell datasets.

Currently, his research at Stanford University focuses on multi-omics data integration, with a particular emphasis on spatial transcriptomics and cancer genomics to study tumor biology, tissue heterogeneity, and disease-associated molecular programs from high-dimensional sequencing data.

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- FPI Predoctoral Fellowship Grant, Ministry of Science and Innovation, Government of Spain ((2021-2025))
- Selected Nextflow Ambassador, Seqera ((2025))
- Scholarship awarded for conference: Single Cell Biology: Pushing New Frontiers in the Life Sciences, Keystone Symposia ((April 2022))
- Winner Team, Meet-U Protein Prediction program competition, University Sorbonne Paris Cité ((2019))

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, International Society for Computational Biology (ISCB) (2023 - present)
- Contributor, nf-core Community, Seqera (2021 - present)
- Nextflow Ambassador, Seqera (2025 - present)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Universidad De Barcelona (2025)
- Master of Science, University Paris Diderot - Paris 7 , Bioinformatics (2019)
- PhD, University of Barcelona / IDIBELL , Bioinformatics (2025)

STANFORD ADVISORS

- Vivek Charu, Postdoctoral Faculty Sponsor

LINKS

- More about me: https://franzake.github.io

Research & Scholarship

LAB AFFILIATIONS

- Brooke Howitt (5/7/2026)
- Vivek Charu (5/4/2026)