

POST DOC AT UC DAVIS GENOME CENTER

The Genome Center at the University of California, Davis invites applications from qualified candidates for a Postdoctoral position.

We are seeking a highly motivated and independent individual who is interested in pursuing an academic career in the plant development – with an emphasis on the study of moss – *Physcomitrium patens*, at single cell resolution. Dr. Brady's research focuses on the ways in which phyllotactic decisions are made within a single apical cell. The postdoctoral scholar who secures this position will identify genes and mechanisms that can initiate, maintain or reinforce this developmental decision.

The successful applicant will be responsible for generating and analyzing transcriptional reporters for moss apical cell identity, parallelized spatial visualization of gene expression, single cell transcriptome sequencing and data analysis. The applicant will work closely with teams in France, Germany, Israel and the United Kingdom. They will have the opportunity to attend workshops or courses aimed at advancing their existing analytical skills as required by ongoing and future research projects, mentor students, and to participate in the preparation and writing of manuscripts and grants.

Candidates must have PhD in the area of (Plant) Biology, Developmental Biology, Systems Biology, Biomedical Engineering, or Genetics; experience in manipulating large-scale genomic data and efficient utilization of computer clusters; demonstrated knowledge of plant transformation; ideally experience in single cell or nucleus transcriptome sequencing, or in protoplasting and RNAsequencing; demonstrated knowledge and programming experience in R; demonstrated knowledge of imaging; demonstrated knowledge of experience working in moss or Marchantia; or in other plant species in tissue culture; familiarity and working knowledge of standard bioinformatics tools, packages, algorithms, and databases for the analysis of genetics data; excellent written and verbal communication skills, and the ability to manage multiple projects and highly motivated and committed to research.

Interested candidates should submit all materials via the web-based online submission system, <https://recruit.ucdavis.edu/JPF06360>. Required materials include curriculum vitae, list of publications, research statement, contact information for three references, and a statement of contributions to Diversity, Equity, and Inclusion. Initial reviews of applications will begin on March 15, 2024.

As one of the country's leading R1 institutions, UC Davis seeks candidates with exceptional [potential for/record of] research and/or teaching, and inclusive excellence. In addition, the successful candidate will demonstrate an understanding of the barriers preventing full participation of members from historically underrepresented and marginalized student communities in higher education, such as (but not limited to) women, underrepresented minorities, individuals self-identifying as LGBTQIA+, veterans, individuals with disabilities, economically disadvantaged groups, first-generation, undocumented students, or students with any intersections in between.

Diversity, equity, and inclusion are core values of the University of California, Davis that are embedded within our Principles of Community and are tied with how to best serve our student population. Please review the full Job Posting to learn about the initiatives that keep UC Davis an inclusive and safe campus for our incredibly diverse students, staff, academic appointees, and faculty.

UC Davis is a top-tier public university, ranked 5th nationally by the Wall Street Journal/Times Higher Education, 9th in the QS USA University rankings, and 10th nationally by US News and

World Report among U.S. public universities overall and for research funding. It is also ranked #1 in the diversity and internationalization category in the QS USA University rankings. The US News and World Report rankings also highlight UC Davis as 16th among “top performers on social mobility,” which is determined by the outcomes of Pell Grant recipients and other stats. Check out more ranking information on our “About Us” webpage. Please review the full position description to learn more about acclaimed university and the notable rankings we have received regarding diversity, environmental sustainability, work-life balance, and more.

The posted UC salary scales (<https://www.ucop.edu/academic-personnel-programs/compensation/index.html>) set the minimum pay determined by rank and/or step at appointment. See Table 23: Postdoctoral Scholar-Employee, Postdoctoral Scholar-Fellow, Postdoctoral Scholar-Paid Direct, Fiscal Year <https://www.ucop.edu/academic-personnel-programs/files/2023-24/oct-2023-acad-salary-scales/t23.pdf>

The salary range for this position is \$64,480-\$77,327.