



BIOLOGY
COLORADO STATE UNIVERSITY

Postdoc Position - The Shapes that Feed Us

O'Connor Lab - Colorado State University

The O'Connor lab links plant developmental regulation with the tools to engineer it with gene editing. Our goal is to both understand and manipulate plants to improve the food system. Specifically, we leverage live imaging, model systems, omics, genetics, and gene-editing to identify and manipulate the molecular levers of plant yield and developmental plasticity.



We are seeking a Postdoc to join our new lab at Colorado State University. The position will focus on using quantitative imaging, gene editing, and proteomics to advance our understanding of auxin-mediated patterning across flowering plants. The postdoc will utilize unpublished mutants, fluorescent reporters, and proximity-labeling lines already developed in both *Brachypodium* and *Arabidopsis*. In parallel there may be opportunities to contribute to our crop improvement gene-edit allele-design pipeline.

Funded by lab startup funds, the Postdoc will have some latitude to define the project direction based on lab goals, technical skill, and interest. We value invention and collaboration!

Apply to the open pool here: <https://jobs.colostate.edu/postings/161929>

General inquiries: devin.oconnor@colostate.edu

~\$62-65k per year + modest moving expenses. Currently up to 2 years funding available, but the position may be extended pending further funding. Candidates will be reviewed on a rolling basis.



Required Job Qualifications

- A PhD in biology, plant biology, biological engineering, or closely related field at time of appointment.

Preferred Job Qualifications

- Evidence of creative contributions to the advancement of science.
- Experience with plants, plant transformation, plant phenotyping, and plant tissue culture.
- Strong experience in quantitative microscopy.
- Experience with proteomics or NGS techniques and data analysis.