



Post-doctoral position in Plant Developmental Genetics and Evolution

A 2-year post-doctoral position (with possibility of extension) is available in the Plant Reproduction and Development (RDP) laboratory, located on the campus of **ENS Lyon**, France. The successful candidate will join the **SIGNAL** team under the supervision of Dr. Yoan Coudert.

Research topic : The recruited postdoc will investigate the genetic mechanisms underlying the pre-patterning and development of single-celled meristems in the moss *Physcomitrium patens*. The project will combine cutting-edge approaches in developmental genetics, live imaging, and single-cell genomics.

Related scientific publications : Coudert *et al.*, eLIFE (2015) - von Schwartzberg *et al.*, J. Exp. Bot. (2015) - Thelander *et al.*, Curr. Biol. (2022) - Arnoux-Courseaux and Coudert, Trends Plant Sci. (2024) - Coudert, Dev. Cell. (2025)

Required qualifications and skills : We are seeking highly motivated and creative candidates with demonstrated problem-solving abilities, critical thinking skills, and a strong capacity to engage in interdisciplinary scientific discussions (with biologists, biophysicists, computer scientists, etc.). Applicants must hold a Ph.D. degree and hands-on experience in cell/tissue culture and molecular biology. Prior experience with moss-related techniques, live confocal imaging, or single-cell RNA-seq is a plus. The working language of both the laboratory and the team is English. Excellent written and oral communication skills are essential. While not required, some knowledge of French can be helpful for everyday life outside the institute.

Research environment : The RDP laboratory is a world-leading research center on plant development and quantitative biology. The laboratory offers a highly stimulating, international, and interdisciplinary environment, with expertise spanning molecular genetics, genomics, cell biology to biophysics, mathematics and computational modeling. The laboratory is housed at ENS de Lyon, a top-ranking French university, situated in the vibrant and culturally rich city of Lyon.

How to apply ?

Please send a CV and a cover letter, including the contact details of at least three references, by email to Yoan Coudert: yoan.coudert@ens-lyon.fr

- Informal inquiries are welcome and can be sent to the same email address.
- Applications will be reviewed on a rolling basis until a suitable candidate is identified.
- Preferred start date: Spring 2026.