

## **POSTDOCTORAL FELLOWSHIP OPPORTUNITY**

**University of Campinas (UNICAMP) – Brazil**

**High-Throughput Plant Phenotyping**

**Supervisor:** Prof. Dr. Rafael Vasconcelos Ribeiro

FAPESP Grant: 2022/04006-2, Center for Plant Molecular Breeding (CeM<sup>2</sup>P)

**Application by March 15<sup>th</sup>, 2026**

**Summary:** The Center for Plant Molecular Breeding (CeM<sup>2</sup>P) invites applications for a Postdoctoral position funded by FAPESP, focused on phenotyping of sugarcane and pasture species. The project emphasizes the use of advanced remote sensing technologies, particularly UAV (drone) imagery data. The selected fellow will develop strategies, tools, and protocols for high-throughput phenotyping to identify and quantify agronomically relevant traits in sugarcane and forage species, such as resistance to biotic and abiotic stresses and vegetative vigor. The fellow will also be responsible for disseminating research results through scientific publications in high-impact journals.

### **Requirements:**

- PhD degree obtained within the last 7 years
- PhD in one of the following areas: Plant Genetics and Breeding, Agronomy, Agricultural Engineering, Plant Biology, Computer Science, or related fields
- Full-time and exclusive dedication to the project
- Fluency in English
- Relevant scientific publications related to the project theme
- Knowledge of plant phenotyping and remote sensing

### **Desirable skills:**

- Scientific independence in designing and conducting research, as well as preparing scientific manuscripts
- Familiarity with programming, GIS, and artificial intelligence methods and tools

### **Position Details:**

- Open to Brazilian and international candidates

- Researchers involved: Prof. Rafael Ribeiro (Institute of Biology, UNICAMP), Prof. Lucas R. Amaral (School of Agricultural Engineering, UNICAMP), Prof. Ricardo da S. Torres (Wageningen University and Research)
- On-site position at UNICAMP, Campinas, São Paulo, Brazil
- FAPESP postdoctoral fellowship: R\$ 12,570.00 per month plus technical reserve
- Maximum duration of 4 years, with annual renewal subject to performance evaluation
- Contact for inquiries: [lucas.amaral@feagri.unicamp.br](mailto:lucas.amaral@feagri.unicamp.br)

**Application Procedure:**

Applicants must submit their application to Prof. Lucas Amaral ([lucas.amaral@feagri.unicamp.br](mailto:lucas.amaral@feagri.unicamp.br)), including the following documents:

- Cover letter describing experience and motivation for applying
- CV including publications and major achievements (Lattes CV for Brazilians)
- Research proposal with a maximum length of 4 pages, free format

Both the application documents and the interview may be submitted/conducted in Portuguese or English.

Application due to March 15<sup>th</sup>, 2026

Qualified candidates will be contacted by email for an online interview.

The final selection results will be announced until April 30<sup>th</sup>, 2026.