



WORKSHOP PRTGE 2026

PLANT REGENERATION - TRANSFORMATION - GENOME EDITING

Introduction to protocols and methods for junior scientists (PhD students, post-docs) or seniors, public or private sector

Seminars

- Plant genetic transformation (dicots et monocots)
- in vitro Regeneration
- Recalcitrance and alternative approaches
- CRISPR/Cas9 methods, vectors, guide RNA
- Bioinformatics applied to genome editing
- GMO and genome editing regulatory aspects

Practical work

- Preparation of explants : protoplasts, mature and immature embryos, cotyledons
- Agroinfection, biolistic
- Selection of transformants
- Design of gRNAs, detection of CRISPR/Cas9 mutations
- Microscopic et biochemical analysis : GFP, GUS staining

June 1-5, 2026

Institute Jean-Pierre Bourgin for Plant Sciences
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