

UE13 : Biocontrol and biostimulation of seed and clonal material



Niveau
d'étude
BAC +5 /
master



ECTS
1 crédits



Composante
Faculté des
sciences

En bref

- Langue(s) d'enseignement: Anglais
- Ouvert aux étudiants en échange: Oui

Présentation

Description

Reasoning approaches to improve seed quality and resistance:

- Concepts of seed biostimulation and biocontrol as a strategic lever for sustain agriculture
- Regulation and perspective to sustain innovative approaches
- Technological challenge for new product discovery and new genotype selection
- Current research initiatives to develop biocontrol solutions
- Development and perspective in seed industry and for Agro suppliers.
- Practical course to acquire experimental approaches using molecular genetics and pharmacological screening of active compounds.

Heures d'enseignement

CM	Cours magistral	12h
TD	Travaux dirigés	4h
TP	Travaux pratique	6h

Pré-requis obligatoires

Knowledge and approaches to develop seed biocontrol and biostimulation solutions

Be able to read a research publications and to integrate molecular genetic approaches

Compétences visées

- To be able to understand mechanism stimulating seed defense during development and germination
- To be able to identify promising technologies to improve seed quality
- To be able to make the interface between the academic world and professional needs
- To be aware of up-to-date research projects developing seed biocontrol solutions
- To be acquainted with regulation and technology bottlenecks when applying a new strategy for seed protection

infos pratiques

Lieu(x)

› Angers

Campus

› Campus Belle-beille

En savoir plus

Ressources en ligne disponibles

🔗 <https://tice.agrocampus-ouest.fr/course/view.php?id=6424>