

UMR 1095 - Genetics, Diversity and Ecophysiology of Cereals (GDEC)

SUPERVISORY BODIES



OTHER SUPERVISORY BODIES

Université Clermont Auvergne & associés

ÉTABLISSEMENTS ASSOCIÉS

VetAgro Sup

UNIT MANAGER

Thierry LANGIN

LOCATION

Region : Auvergne-Rhône-Alpes (Clermont-Ferrand)

University site : Université Clermont Auvergne

Address :

Inra - Site de Crouel 5 chemin de Beaulieu 63100 Clermont-Ferrand

The projects, developed within 7 research teams with interconnected themes, focus on common wheat, a model species of agronomic importance (2nd cereal worldwide). At the interface between basic and targeted research, their common objective is to improve the quality and yield of wheat in a context of sustainable agriculture and climate change, with the main objectives being:

- To advance knowledge of the structure, organisation, functioning and evolution of the common wheat genome, to understand the genesis of new functions and/or the evolution of specific retained functions during the evolutionary history of wheat and cereals more broadly.
- Decipher and model the molecular and physiological mechanisms involved in the control of important agronomic traits such as yield, grain quality and resistance/tolerance to biotic (diseases) or abiotic (deficiencies in nitrogen, sulphur, climate change, etc.) stresses.
- Analyse and value genetic resources,
- Contribute to the development of new selection tools and methods (Genomic Selection), and integrate the knowledge generated into models to improve the efficiency of varietal selection.

Unit website : <https://www6.clermont.inra.fr/umr1095>

Key figures :

The unit has 89 permanent staff (75 INRA, 9 UCA, 4 VetAgro Sup, 1 CNRS) and 30 to 40 PhD students, post-doctoral fellows and contract staff.

DOCTORAL SCHOOL(S)

SVSAE

DS 65 - Life sciences, health, agronomy, environment

Website : <http://edsvs.univ-bpclermont.fr>

Co-accredited institutions : Université Blaise Pascal (Clermont-Ferrand), Université d'Auvergne

Head : [Monique ALRIC](#)