

UP INRA 1264 - Mycology and Food Safety Research Unit (MycSA)

SUPERVISORY BODIES



UNIT MANAGER

Jean-michel SAVOIE

LOCATION

Region : Nouvelle-Aquitaine
(Bordeaux)

University site : ComUE
Aquitaine

Address :
UR 1264 Mycologie & Sécurité
des Aliments - INRA Nouvelle
Aquitaine - Bordeaux - CS 20032 -
33882 Villenave d'Ornon Cedex

The MycSA unit analyzes the networks of interactions that result in an accumulation of fusarium toxins in wheat or corn grains. Our goal is to contribute to propose practical solutions to decrease the risk of mycotoxins of cereals and its consequences on animal and human health, and on the economic losses for the growers and the food and feed industry.

The way of entry of our research tasks is the fungus and the principal parameter of exit is the synthesis and the accumulation of toxins.

The main objects of studies will be *Fusarium graminearum* and *Fusarium verticillioides* producing respectively Trichothecenes and Fumonisin.

The scientific activity is described through three research orientations interacting between them and which represent different levels of approaches:

- The diversity of *Fusarium* spp conditions their potential of toxinogenesis and the accumulation of mycotoxins in the grains.
- Ways of biosynthesis of the mycotoxins: the networks of regulation.
- The chemical and microbial environment of *Fusarium* spp. affects the accumulation of mycotoxins in the grains.

Unit website : <https://www6.bordeaux-aquitaine.inra.fr/mycsa/>

Keywords : Phytopathology, Phytopharmacology, Molecular Biology, Genomics, Transcriptomics, Proteomics, Genetics

Key figures :

MycSA brings together about twenty-five researchers and technicians.

DOCTORAL SCHOOL(S)

SVS (Bordeaux)

DS 154 - Life and Health Sciences

Website : <http://www.edsvs.u-bordeaux2.fr/version2/index.php>

Co-accredited institutions : Université de Bordeaux

Head : [Martin TEICHMANN](#)