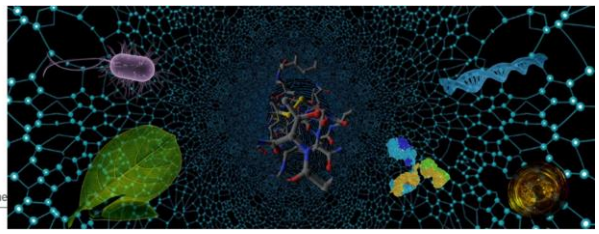

HR EXCELLENCE IN RESEARCH

PhD offer

Employer: Université de technologie de Compiègne (www.utc.fr)
Laboratory : UMR CRS 7025 Génie enzymatique et cellulaire (www.umr7025-gec.fr)

Candidate :
We are looking for a candidate to compete to get a French governmental funding for a PhD hosted in the UMR CNRS 7025 "Enzyme and cell engineering" in Compiègne (70km from Paris).

We are looking for a highly motivated Ph.D. student with a MSc in biotechnlogy, biochemistry or related field. Good English communication skills (both written and oral) and a high commitment and curiosity about plant science are essential. The successful candidate will join the Université de technologie de Compiègne and the Doctoral School program, which offers a pluri-disciplinary education in all fields of engineering.

Scientific area:
The applicant will work on the selection and formulation of molecules to fight against *Xylella fastidiosa.*

The major challenges of agriculture are based on its ability to produce more and better despite the regulatory constraints on plant protection products and the arrival of new threats. This is notably the case of the bacterium *Xylella fastidiosa*, which was detected for the first time in Europe on olive trees in Italy in 2013 and in the south of France in 2015. In July 2018, the European Food Safety Authority (EFSA) mentioned 563 plant species infected with *Xylella fastidiosa*. It concerns many plants including those with an agronomic interest. The challenge is to develop new tools to detect and fight bacteria in infected plants. The proposed thesis will focus on the development of a targeted control method, based on the specific recognition and inhibition of an element involved in the development of Xf in the host, considered as biomarker of the infection.

How apply?
Application by email (CV and cover letter): stephane.octave@utc.fr
Application deadline: 8th of May 2019
Expected starting date: 1st of October 2019
Type of contract: short-termed
Duration: 36 months