

Jean-Baptiste Lopez

Qualifications / Affiliations

Aarhus university, Aarhus - PhD in
Phytopathology, Molecular Biology,
Microbiology

August 2014 - November 2017

Université Montpellier 2, Montpellier -
Masters in Plant functional biology
specialisation Host-Microbe interaction

September 2012 - June 2014

Université Montpellier 2, Montpellier -
Bachelor

BSc in Microbiology

September 2010 - June 2012

Year of Birth

1989

Nationality

French

Languages

French (mother tongue)

English

Spanish (Basic)

Danish (Basic)

Contact

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Current Position at CWA

Jean-Baptiste Lopez joined the Food & Agricultural Commodities Department as a Food Scientist in 2019.

Jean-Baptiste has a broad background in plant biological sciences including physiology, microbiology, molecular biology and biochemistry. He applies these scientific principles when investigating microbiological deterioration of food and feed cargoes. He is very familiar with the analytical quantification of mycotoxins in cereal crops. He taught practical courses on HPLC during his time at Aarhus University. He has extensive experience with GMO handling and understanding GMO technologies within the Agri science. He also designed sampling regimes for cereal crops and understands the various pesticide regimes employed by barley growers

Summary of Previous Work Experience

January 2018 –
July 2018

Aarhus University, PM Lab, Aarhus
Research Assistant (Post-doc)

Led and completed the analysis of the data from RNA sequencing experiment (NGS). Analysed differential gene expression analysis and identified new clusters and gene candidates for my fungus pathogenicity.

August 2014 –
November 2017

Aarhus University, PM Laboratory, Aarhus
PhD Fellow

Identified, cloned and expressed effector proteins of an emerging Barley pathogen. Three of these were characterized in planta.

March 2013 –
July 2013

CNRS, LEM, Lyon
Intern

Characterized a microbial protein with PGPR property on the root architecture of Arabidopsis thaliana and Rice.

Attendances

Bangladesh

- Investigation into sand contamination in a cargo of wheat.

Egypt

- Shipboard inspection of a heat and fire damaged cargo of DDGS.

Spain

- Shipboard inspection of a shea kernels cargo.

Publications

(Pending)

- Comparative transcriptomic analysis of two *Ramularia collo-cygni* isolates when infecting two barley cultivars - About to be sent for peer review.
- Characterisation of *Ramularia collo-cygni* chitin binding effectors - Manuscript in preparation.