

## Postdoctoral fellowship in Natural Substances and Formulation for Biocontrol

University of Tours – France

A two-year fellowship (1 year renewable 1 year) is available at the Department of Plant Biomolecules and Biotechnology (EA2106 BBV, University of Tours, France) from February 2021. This fellowship is open to Post-Doctoral researchers or experienced research engineers who will integrate Dr. Arnaud Lanoue’s researcher group in order to develop a plant extract-based biopesticide in close collaboration with an industrial partner expert in natural products and biocontrol. BBV Lab is developing a process based on circular economy where grape by-products are recycled into biocontrol active substances. The project aims to promote university-industry technology transfer of biomass-based biopesticides to control plant disease in a context of sustainable agriculture.

The candidate will perform extraction and formulation of the active substances using green chemistry principles followed by LC-MS/MS analysis in order to ensure stability, conservation and activity of the biocontrol agent. He/She will be involve at every stage of the process including sourcing, scale-up of extraction process, formulation as well as the evaluation of activities at laboratory and field scales.

A strong experience in formulation of natural ingredients and analytical chemistry is essential. Good organizational and interpersonal skills are required in order to facilitate the coordination between the different partners in respect of deadlines. The hired candidate will benefit from dedicated funding to conduct the proposed research project. BBV Lab is an English-speaking Lab offering all facilities to achieve the goals of the current project ([https://twitter.com/bbvea2106\\_tours](https://twitter.com/bbvea2106_tours); <https://www.facebook.com/pg/BBVEA2106/>).

Salary and duration: The grant covers one year of contract renewable one additional year, with a monthly net income of €2000.

Closing date for applications: 15<sup>th</sup> January, 2021.

Contract start: expected February 2021.

Applications must include a motivation letter, a CV including University grades, and contacts of 1-2 previous mentors. Please e-mail application as a single pdf document to: [arnaud.lanoue@univ-tours.fr](mailto:arnaud.lanoue@univ-tours.fr)