

**Job Announcement
Postdoctoral Researcher**

At University of Burgundy, Research unit UMR PAM, Physico-chemistry of Food and Wine Research group, Dijon, France

The research team Physico-chemistry of Food and Wine is internationally recognized for integrated research on chemical and physical stability of food and wine matrices, on the valorization of agricultural resources and on the tuning of food properties. It hosts a technological platform with state of the art analytical equipments for (i) targeted and non-targeted chromatography-based analyses (including high-resolution Q-ToF mass spectrometry), (ii) spectroscopy (NMR relaxometry, EPR, AA), and (iii) the characterization of physical properties (calorimetry, rheology, mass transfers).

We offer a post-doc position for a research project focusing on understanding the physicochemical parameters affecting red wines oxidative stability during winemaking.

Job description

- **15 months post doc position** starting from September 2022
- Contribute to the development of innovative grape and wine active compounds extraction, profiling and quantification
- Conduct MS analyses on LC-MS-Q-TOF system
- Participate in instrument maintenance.
- Exciting work in a dynamic team of researchers with backgrounds in different disciplines across physico-chemistry, analytical chemistry and Mass spectrometry-based metabolomics
- Competitive salary
- Convivial, international environment in a human-sized atmosphere

Your profile

- A doctoral degree in analytical chemistry or a related field
- Ample experience in analytical metabolomics from sample preparation to data analysis.
- Sound knowledge of wine chemistry
- Excellent general technical skills in LC-HRMS, if possible, with hands-on experience in routine maintenance
- Highly motivated personality, with the ability to work in a multi-disciplinary team on scientifically challenging problems
- Very good knowledge of written English
- Ambitious, creative with good analytical, interpersonal and communication skills

For applications please send your CV and motivation letter to Dr. Maria Nikolantonaki (maria.nikolantonaki@u-bourgogne.fr)