

## Recrutement contrat recherche H2020 HORIZON-BIOSYSMO

<b>Job title</b>	<b>Post-doc in soil microbiology H/F (EU HORIZON-BIOSYSMO project)</b>
<b>Ref</b>	2022.03_postdoc_projets H2020 BIOSYSMO
<b>Date de mise en ligne souhaitée</b>	<b>As soon as possible</b>
<b>Job type (PhD, Post-doc, Engineer)</b>	<b>Post-doc</b>
<b>Contract duration (months)</b>	12 months (renewable for a similar period)
<b>Salary</b>	2000-2200 € net salary
<b>Qualifications (Master degree, PhD...)</b>	Ph-D in microbiology / plant biology
<b>Job hours (full time/ part time)</b>	Full time
<b>Employer</b>	UBFC – Université Bourgogne Franche-Comté
<b>Host Laboratory</b>	Laboratory Chrono-environnement
<b>URL Host Laboratory</b>	<a href="https://chrono-environnement.univ-fcomte.fr/?lang=en">https://chrono-environnement.univ-fcomte.fr/?lang=en</a>
<b>Address Host Laboratory</b>	Université de Bourgogne Franche-Comté UMR 6249 Laboratoire Chrono-environnement Pôle Universitaire du Pays de Montbéliard 4 place Tharradin, 25 211 MONTBELIARD
<b>Job description</b>	<p>The postdoctoral project will be part of the BIOSYSMO transdisciplinary research consortium (2022-2025). This large EU collaborative project involves several partner laboratories BIOSYSMO and proposes the formulation and application of a computational model-driven framework for the design and improvement of synergetic biosystems for removal of mixed contaminants from polluted soils, sediments and (ground)water. The key elements of the proposed post-doc position are:</p> <ol style="list-style-type: none"> <li>1- Identification and selection of key players (plant, microorganisms and/or genes) to construct the biosystems.</li> <li>2- Characterization of the selected resources and pathways.</li> <li>3- Design and enhancement of defined microbial consortia to improve natural pathways and activities.</li> <li>4- Application of strategies for artificial consortia microaggregation and structuring.</li> <li>5- Genetic engineering tools for optimizing plant and microbial performances.</li> <li>6- Application of improved biosystems for remediation of different pollutant mixtures, matrices and environments.</li> </ol>
<b>Supervisor(s)</b>	CHALOT Michel <a href="mailto:michel.chalot@univ-fcomte.fr">michel.chalot@univ-fcomte.fr</a>
<b>Candidate profile</b>	<p>The following skills are required:</p> <ol style="list-style-type: none"> <li>1) Molecular biology / biochemistry / microbiology : Candidates should possess a degree in biology, microbiology, environmental sciences, together with at least 3-4 years job-related experience (inc. Ph-D) on soil microbiology, microbial surveys, microbial and plant physiology with the use of molecular approaches</li> <li>2) Communication / dissemination : Candidates are expected i) to lead and contribute to scientific publications, policy briefs and technical reports that</li> </ol>

	require clear, well-structured texts. In this case, a high level of written and oral English is required; ii) to organize, plan and lead scientific meetings with European partners (held in English)
<b>Keywords</b>	synergetic biosystems , microbial consortia, molecular screening , genetic engineering, microbial resources, phytomanagement,
<b>Application deadline</b>	31/08/2022
<b>Starting Job</b>	01/10/2022
<b>Application</b> <i>Depending on the type of position</i>	<p><b><i>Post-doc position</i></b></p> <p><i>Please send the following documents (all in one PDF file) by e-mail to <a href="mailto:michel.chalot@univ-fcomte.fr">michel.chalot@univ-fcomte.fr</a> :</i></p> <p><i>1) For EU candidates: Copy of your national ID card or of your passport page where your photo is printed.</i></p> <p><i>For non-EU candidates: Copy of your passport page where your photo is printed.</i></p> <p><i>2) Curriculum Vitae (may include hyperlinks to your ResearchID, Research Gate Google Scholar accounts).</i></p> <p><i>3) Detailed list of publications (may include hyperlinks to DOI of publications).</i></p> <p><i>4) Letter of motivation relatively to the position (Cover Letter) in which applicants describe themselves and their contributions to previous research projects (maximum 2 pages)</i></p> <p><i>5) Copy of your PhD degree if already available.</i></p> <p><i>6) Coordinates of reference persons (maximum 3, at least your master thesis supervisor): Title, Name, organization, e-mail.</i></p> <p><i>If you have questions regarding the application, please contact the supervisors.</i></p>