

# Université Claude Bernard Lyon 1- Hosting offer for a MSCA Post-doctoral fellowship candidate in **Biology in the Anthropocene**

<b>Host Organisation</b>	<b>Université Claude Bernard Lyon 1</b>
<b>Laboratory</b>	<b>Biometry and Evolutionary Biology</b>
<b>Website (lab / research team)</b>	<a href="https://lbbe.univ-lyon1.fr/fr">https://lbbe.univ-lyon1.fr/fr</a>
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## **Host Organisation**

The Université Claude Bernard Lyon 1 welcomes Marie Skłodowska Curie Postdoctoral Fellowships applications !

With 62 laboratories and more than 7000 publications per year, and leading French university in terms of the number of patents filed in collaboration with industry, Lyon 1 contributes to scientific and innovation progress in numerous fields: health, mathematics, IT, physics, chemistry, earth and space sciences, life sciences, etc. Creator of emerging knowledge and new technologies, the University is consolidating its research excellence on a global and international level by developing inter- and multidisciplinary approaches targeting the major challenges facing today society.

## **Host research lab/team**

**The Laboratoire Biometry and Evolutionary Biology (LBBE) is a leading research lab in Europe.** It is based on three pillars: (i) biometry with methodological developments in statistics, computer science and mathematics for the modelling of living systems; (ii) ecology and evolution approached from molecular and genomic to population and community organisation levels; (iii) health, by developing precision medicine and evidence-based medicine. The specificity of the laboratory stems from the synergy between methodological challenges and issues in ecology, evolution and health, in order to develop a project on health, dynamics and evolution of living organisms at all scales. In order to successfully orchestrate this research activity, the LBBE is organized into four scientific departments, each composed of multiple research teams.

Although mainly centered on fundamental research, our activity is articulated with major societal issues, including the digital revolution and the accumulation of data, the Anthropocene and the related environmental crisis, and finally the development of global health and personalised medicine.

**The Cocoon research team is involved in the study of multiscale evolution** (i.e., studying the evolution of genetic systems while considering different levels -nucleotides, transposable elements, genes, genomes, microbiomes, organisms, populations, species, geography-), **but also, and more importantly for this offer, environmental issues.** The Cocoon is a place to **think about the responsibilities of research and researchers in the Anthropocene era**, and about the role of non-researcher citizens in orienting and conducting research. We examine how biological sciences, and in particular

bioinformatics and evolutionary genomics prepare a certain version of the future, and how to comply with the constraints imposed by planetary boundaries.

### **Hosting Offer**

The **LBBE lab** offers to host a MSCA Postdoctoral Fellowship candidate (typically a post-doc of less than 8 years research experience since PhD defence), submitting an application to the next MSCA-2026-PF call for proposals (deadline 09<sup>th</sup> of September 2026), we propose to write an application for a project concerning the **future of Biological Sciences**.

At least as much as climate scientist, Biologists are conscious of the fact that human activities are transforming the Earth ecosystem in a way that threatens its habitability. **We want to examine how the current trend of transgressing planetary boundaries (as defined by the Stockholm Resilience Centre) influences how Sciences are conducted in the Anthropocene, and reciprocally how the expected results of scientific projects delineate possible futures for the planet.** The primary interest would be on Genomic Sciences, a field of Biology which is seen as pivotal for solving environmental, agroeconomical and health issues, but where scientific practices, innovations and applications may also have detrimental effects on the environment. We intend to base our analysis on the narratives put forward by biologists to rationalise their endeavour, the way they identify stakeholders and their interests, and how the future is envisaged, explicitly or implicitly.

The fellowship could last for 12 to 36 months, depending on the type of Postdoctoral Fellowship.

### **Supervision**

The successful Marie-Curie Post-doctoral fellow will be supervised by Eric Tannier and Vincent Daubin in interaction with social science labs in Lyon.

Eric Tannier is a senior researcher at the Inria Lyon research center (national institute for computer science research). His research interests include models and methods for evolutionary genomics, as well as research ethics and science, environments, societies interrelationships. He runs prospective workshops for students and academics on the social and environmental roles of knowledge and technology.

Vincent Daubin is a CNRS senior researcher. His research interests are originally on evolutionary genomics, molecular phylogeny and the study of horizontal gene transfers throughout the evolution of life using bioinformatic methods. His recent research focuses more on the environmental impact of sciences and the role of scientific research in the Anthropocene.

### **Application process**

Interested candidates are invited to contact us exclusively by email at [eric.tannier@univ-lyon1.fr](mailto:eric.tannier@univ-lyon1.fr); [vincent.daubin@univ-lyon1.fr](mailto:vincent.daubin@univ-lyon1.fr).

Make sure that you include the reference to this offer in the title of your email. Please attach a CV, a motivation letter, your MSc marks, **as well as a 1 page research proposal**.

**Professional grant application support:**

Candidates will receive the support of the supervisors, as well as online training from a professional grant application company, and advices from successful applicants, to prepare and submit their application with the LBBE as a host laboratory, to the next MSCA-PF call for proposals.