

The MAPIEM Laboratory (University Toulon, France) invites applications for a 2-year Postdoc position in marine microbial ecology and ecotoxicology. The place of employment is Toulon and the position is expected to start in February 2021.

The general topic is marine biofilms that colonize artificial surfaces immersed in the sea.

PAINTS is a France-Quebec (Canada) ANR-FRQM 3 years research project that aims to assess the efficacy of new environmentally friendly antifouling coatings, which are specifically dedicated to the prevention of ship hulls colonization. The objective of the position is to understand how the environmental conditions experienced at the five immersion sites included in the project (Toulon in the NW Mediterranean Sea, Lorient on the South coast of Brittany, La Reunion in the Indian ocean, Rimouski and Sept-Ile in the St Laurent, Québec, Canada), influence the structure and functions of biofilm microbial communities colonizing inert (plastic) but also FRC substrates. The latter are coatings designed during the project to minimize the adhesion of colonizing organisms. In addition, transplantation experiments should be carried out to mimic the competition between communities on a ship hull and local one when a boat will sail from one harbor to another. The issue of marine non-indigenous and invasive species would be raised at this occasion too.

To qualify for this position, applicants must hold a PhD in aquatic microbial ecology or related science. In addition to the basic knowledge in microbial ecology and molecular biology, the applicant has well documented experience with metagenomics approaches (including metabarcoding) and related bioinformatics. In addition, an interest in field experiments but also personal qualities to promote collaboration is required. Actually, immersions held in the project will be deployed could include a stay at Rimouski. Finally, very good oral and written communication skills in English are essential.

We will stress both research expertise and personal skills when assessing applicants.

An application must contain the following documents in English:

- A complete curriculum vitae, including date of the thesis defense, title of the thesis, previous academic positions, academic title, current position, academic distinctions, committee work and research funding granted.
- Full list of publications
- Description of present research environment, collaborations and network (approx. 1 page)
- Personal letter with motivation to the position (approx. 1 page)
- Recommendation letters

Application should be sent to Dr. J.-F. Briand (briand@univ-tln.fr) before the 22 January 2022

Jean-François Briand, PhD

- Associate-Professor -

Laboratoire MAPIEM-EA 4323 - Biofilms & Antifouling

Toulon University

CS 60584

83041 TOULON Cedex 9

France

Phone: +33 (0)4 94 14 67 60

https://www.researchgate.net/profile/Jean_Francois_Briand

<http://mapiem.univ-tln.fr/>