



POST-DOCTORAL POSITION

Researchers of the LOMIC need collaborators for their activities in the frame of linking marine biogeochemistry and microbial ecology

Thanks to funding from the “ANR MED-SGD”, (Submarine Groundwater Discharge: a hidden source of chemical compounds at the land-sea interface), a scientific post-doc position is available for **18 months**, starting between the 1st of September and 1st of December 2017 to work on impacts of resurgence waters on marine ecosystems along the Provençal-Catalan coast.

Background and tasks:

The flow of Submarine Groundwater Discharge (SGD) into the coastal sea constitutes an underestimated vector for many chemical elements that may impact the quality of the coastal environment and marine ecosystems. The candidate will develop and use environmental system biology tools to disentangle functional substrate-organism relationships in complex SGD systems. The work will have two distinct approaches. The first will be based on field campaigns which started in 2016 and will continue until 2018 along the Provençal-Catalan coast by participating to sampling, analysis, and interpretation for nutrients, dissolved and particulate organic matter, bacterial diversity and activities, primary and secondary production. The second part will use our mesocosm platform facilities connected to the Banyuls Bay to unravel the complex interactions between phytoplankton bloom and bacterial assemblages by coupling DNA-stable isotope probing, metagenomic analysis and organic matter characterization.

The position will benefit of our multidisciplinary expertise from molecular (DOM composition and characterization, microbial metagenomic) to cellular and ecosystem levels (O_2/CO_2 exchange, photosynthetic parameter, primary and bacterial production).

Salary will be commensurate with regular French post doctoral research stipends, i.e. net salary of 50 300 € per year.

Requirements:

Enthusiasm and practical experience in biogeochemistry and microbial ecology is necessary but training and support will be provided to strengthen these areas. The successful candidate will be highly motivated, creative and independent. Previous experience in carbonate equilibrium system is also strongly desirable.

Deadline for application:

Open until filled but September 2017 preferable.

Please contact Pascal CONAN (conan@obs-banyuls.fr) for informal inquiries or applications (please attach CV and describe motivation).