

Our laboratory (Laboratoire de Microbiologie, de Géochimie et d'Ecologie Marines, (LMGEM; <http://www.com.univ-mrs.fr/LMGEM/>) is a component of the Center of Oceanology (COM) located in Marseille (<http://www.mairie-marseille.fr/>) in Southern France on coastal Mediterranean Sea at the University of Aix-Marseille2 ([http://www.univmed.fr/relations%5Finternationales/](http://www.univmed.fr/rerelations%5Finternationales/)). Our research group is working on organic matter - bacteria interactions in marine environments. We constitute a team of 54 scientists including 32 permanent researchers, engineers and professors, specialized in characterization of organic matter, microbial ecology (quantification of bacterial activities : nitrification, denitrification, methanogenesis, heterotrophic activities and biodiversity) and modelling. The members of our team have a long experience in measurements of heterotrophic bacterial activities (hydrolysis of polymers by ectoenzymes, assimilation of monomers, bacterial production and aerobic and anaerobic respiration) as well as on current techniques of molecular ecology (cloning /sequencing, community fingerprint approaches such as RISA, T-RFLP, DGGE). Currently in our group, these approaches are only addressed to the fraction of the community involved in peculiar functions (e.g. denitrification, nitrogen fixation). In addition to such destructive techniques, we presently develop and look for tools which allow observations at the cellular level (by epifluorescence microscopy and/or cytometry) like MICRO-FISH techniques, utilisation of fluorescent probes characterising key functions (respiration, ecto-enzyme activity...).

We would like to reinforce research in marine microbial ecology in relation with the carbon cycle in marine waters. We are seeking to obtain a CNRS (<http://www.cnrs.fr/>) permanent position for a young microbiologist researcher in our laboratory in 2007. Topics of research need to be focused on the role of microbial functional biodiversity in the organic compound degradation in relation with external factors including nutrient co-limitation, and/or light (including UV), hydrostatic pressure and temperature in the whole water column. After selection by the LMGEM committee, the candidate will have to apply for a CNRS position. He (she) will have to send a research proposal (written with the help of other members of the laboratory) to CNRS in December 2006 and then to defend his (her) application in front of the CNRS committee by the end of Spring 2007 (in French or in English language). Applicants must possess a doctoral degree in the field of microbial ecology, good publication record, and should have a profound scientific background in molecular biology in order to develop these tools in the context of aquatic microbial ecology. Applicants have to send detailed curriculum vitae, including experience in research trainings, technical expertise, post doctoral experience, and a list of publications.

Thanks in advance
Sincerely

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