

In the context of the project entitled “Archeal DNA Repair” financed by the French “Agence National de la Recherche” (ANR) the labs ‘Microbiology of Extreme Environments’ (UMR6197 IFREMER, Brest) and the ‘Marine Biology outstation of Paris VI’ (UMR7139, Roscoff) are jointly seeking to recruit

a post-doctoral fellow for the period of 30 months

Subject: Structural and functional characterisation of protein complexes involved in genomic maintenance from a hyperthermophilic archaea *Pyrococcus abyssi*.

The goal of the project is to contribute to a better understanding of the molecular mechanisms involved in the interplay between DNA replication and DNA repair in hyperthermophilic archaea (HA) and to improve our knowledge on the molecular basis of DNA repair pathways in HA. The methods that will be applied to analyse the molecular mechanisms of these proteins are protein crystallography and SAXS in combination with biochemical approaches. The two groups sharing the position have access to all the facilities necessary for the work (nano-drop dispensing robot, lab X-ray facility and access to the ESRF through a BAG in Roscoff, routine facilities for enzyme production, purification and characterisation as well as SPR and spectrofluorimeter analyses in IFREMER, mass spectrometry facilities are also available through collaboration with Ouest Genopole platform).

The position is available starting september 1, 2008 until march 2011. Applicants should have strong background in protein crystallography and protein biochemistry (heterologous protein expression, purification and characterisation of the target proteins). Initial experience on “DNA enzymes and proteins”, crucial for the copying, maintenance and repair of DNA, would be advantageous.

For further details and information on making an application, contact either Didier Flament (dflament@ifremer.fr) or Mirjam Czjzek(czjzek@sb-roscoff.fr).