**Two-year postdoctoral fellowship in brown algal comparative genomics**

A postdoctoral fellowship is available at the Station Biologique de Roscoff (France) to study brown algal genome evolution and metabolic networks.

Our current knowledge of brown algal genome function is considerably less extensive than for the genomes of species from other major eukaryotic groups such as the animals and the land plants. To address this shortfall, the Station Biologique de Roscoff, in collaboration with Genoscope and an international consortium, has sequenced the genomes of 40 diverse brown algae plus four sister species (https://phaeoexplorer.sb-roscoff.fr/home/). The genomes have been assembled and annotated and genome-scale metabolic networks are currently being generated. The candidate will apply comparative genomic approaches to this recently-generated genomic sequence data to analyse the evolution of gene families associated with key biological features of brown macroalgae. The analyse will use both phylogenetic approaches and metabolic networks. Within the context of the project, it will be possible to adjust the objectives depending on the past experience and expertise of the selected candidate.

The postdoctoral fellowship is co-financed by the Brittany regional administration and by the "Agence Nationale de la Recherche" (ANR) project Seabioz. The project will involve strong collaborative interactions with the laboratories "Genome Dynamics and Organisation" at the Ecole Normale Supérieure in Paris (for the comparative genomics aspect) and Dyliss in Rennes (for the metabolic network aspect).

The host institute, the Station Biologique de Roscoff (SBR, http://www.sb-roscoff.fr/about-roscoff-marine-station/missions.html), is a centre of marine biology and oceanographic research situated in the town of Roscoff on the north coast of Brittany (France) about 60 km east of Brest. The SBR has about 200 permanent employees. ABiMS (http://abims.sb-roscoff.fr/) is a bioinformatics platform that works closely with several research laboratories within the institute. The platform provides expertise in data analysis and bioinformatic development, together with high-performance tools and computing infrastructure, ensuring an optimal context for integrated research.

Candidates must hold a doctorate and must not have been in France for more than 18 months over the last three years. Please apply through the CNRS employment portal (https://emploi.cnrs.fr/Offres/CDD/UMR8227-JERCOC-004/Default.aspx?lang=EN) with a copy to Erwan Corre (corre@sb-roscoff.fr) and J. Mark Cock (cock@sb-roscoff.fr) mentioning the subject "Two-year postdoctoral fellowship in brown algal comparative genomics" plus a CV and the names of three referees. Deadline for applications: 17th of February 2023. Starting date: from the 3rd of April 2023 and no later than the 3rd of June 2023.