



PIERRE GALAND

From France to Sweden



Project: **The ecology of microbes in aquatic ecosystems**

Research topic: **Biology**

Swedish Institution: **Uppsala University**

French Institution: **Observatoire Océanologique de Banyuls**

Dates of mobility: **21/10/2014 to 28/10/2014**

Program: **SFVE-A (ex-TOR)**



PRESENTATION

[Pierre Galand](#) is a French National Center of Scientific Research ([CNRS](#)) Researcher at the [Laboratoire d'Écogéochimie des Environnements Benthiques](#) at the [Observatoire Océanologique de Banyuls](#). He obtained his PhD in Microbiology from the [University of Helsinki](#) in 2004 and was habilitated in 2012 at the [Sorbonne University](#) (previously University Pierre et Marie Curie). He is interested in microbial diversity and functions in marine ecosystems, using among others sequencing technologies.

ACTIVITIES IN SWEDEN

Galand's main aim in Sweden was to develop a project on Archaea, uncovering the role and global ecological importance of members of the Euryarchaeota phylum in aquatic ecosystems. He visited the [SiCell lab](#), headed by [Stefan Bertilsson](#) (now at the Swedish University of Agricultural Sciences [SLU](#)) at the [SciLifeLab](#) (Science for Life Laboratory) and at the [Department of Cell and Molecular Biology](#) of [Uppsala University](#) in order to improve the use of the single cell genomic sequencing method for analysis of the metabolisms of uncultured microorganisms. Furthermore, he exchanged views on similar topics with [Alexander Eiler](#) (now at the [University of Oslo](#)), [Sari Peura](#) (SLU), [Heli Jouottonen](#) (now at the [University of Jyväskylä](#)). He discussed theoretical ecology with [Eva Lindström](#), and single cell sample analysis with [Claudia Bergin](#) and [Anna-Marie Divne](#).

He also visited the laboratories of the [Department of Ecology and Genetics](#), where he also held a seminar entitled "Ecology from a microbial observatory perspective", presenting the Observatoire Océanologique de Banyuls and his state of research.

A collaboration in the framework of Galand's four-year research project Archaea was planned, funded by the French National Research Agency [ANR](#). Among others, Bertilsson was charged with developing approaches to single cell sequencing for the project, with a set of samples from the Mediterranean Sea being shipped from Banyuls to the SiCell lab.