

## **Fernanda Giannini**

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As a Marine Biologist, with a PhD degree in Biological Oceanography, Dr. Fernanda Giannini is currently working as a post-doctoral researcher at the Spectral Lab in the Geography Department at UVic. The main focus of her research has been on coastal waters bio-optics, remote sensing of the ocean colour, and phytoplankton primary production. The current post-doc project aims to combine high resolution satellite remote sensing, mainly from SENTINEL-3 OLCI instrument, with *in situ* oceanographic sampling to examine the distribution of biogeochemical properties of the coastal waters from British Columbia to Southeast Alaska. This region is defined by complex topography at the interface of the north Pacific and the Pacific Temperate Coastal Rainforest, where massive freshwater discharge, with high terrestrial carbon loads, drives complex ecosystem dynamics, including the food web support for higher