



Organic Geochemistry Lab  
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## M.Sc. thesis programme 2013–14

A variety of topics are offered on the influence of the environmental conditions on the origin and fate of biogenic organic matter and on the exploitability of marine living resources. All topics are publishable in peer-reviewed journals, which are encouraged.

### Topics

#### **Revisiting the stock-recruitment relationship for *Sardina pilchardus* off the Galician coast**

Small pelagics typically show fluctuations across multiple time scales as a consequence of environmental variability and human pressure (Lindergren et al., *Proc. Natl. Acad. Sci. USA* **110**, 13672 2013), and this is not an exception for the Western Iberian sardine *Sardina pilchardus* stock (Silva et al., *ICES J. Mar. Sci.* **66**, 495, 2009). Recent research efforts have dealt with the relationship between sardine recruitment and abiotic factors (e.g. Guisande et al., *Mar. Ecol. Prog. Ser.* **223**, 243, 2001; Pérez et al., *Glob. Change Biol.* **16**, 1258, 2010; Santos et al., *ICES J. Mar. Sci.* **69**, 739, 2012). However, results are often contradictory. In this project we will revisit previous relationships exploring different models, adding new explanatory variables, and updating the data sets.