



## *Lectures in Cetacean Science*

### ✓ **Danielle Harris**

- ✓ **Monitoring marine mammal populations using acoustics: opportunities and challenges**
- ✓ Marine mammal abundance is traditionally estimated using data collected from visual surveys. However, acoustic data can also be used to produce abundance estimates, and offers a number of advantages over visual survey methods. One advantage is that there are many instruments already deployed worldwide for a variety of purposes, including military and seismic monitoring, that can also be used for marine mammal monitoring. However, surveying marine mammals using only their vocalisations creates several research challenges. In this seminar, I will give an overview of how acoustic data can be used to estimate marine mammal abundance, and discuss the advantages and disadvantages of acoustic monitoring. I will use examples from case studies involving blue whales (*Balaenoptera musculus*) in the Indian Ocean and fin whales (*Balaenoptera physalus*) in the Atlantic Ocean.
- ✓ **21 de maio de 2012, 17h00, auditório do ICAT - FCUL**
- ✓ **Inscrições gratuitas e limitadas: [info@escolademar.pt](mailto:info@escolademar.pt)**