

Physical Chemical Biological Coupling in the Pelagic

Sven Loven Center for Marine Sciences-Kristineberg
19-26 August 2017

What are the **physical boundaries** for life in **the ocean?** This one week course on physical-chemical-biological coupling in the pelagic will cover **diffusion, turbulence, encounter rates, motion analysis** in the pelagic. You will get hands on experience measuring and experimenting in the **lab**, in the **field**, and **onboard**. Lectures will be interspersed by hands on experience and experiments, in addition to theory you will learn how to measure turbulence and small scale hydrodynamics by means of **Particle image velocimetry (PIV)**. The course will be held at the marine field station SLC Kristineberg on the Swedish West Coast. 5 ECT.

Application should include a short motivation (<0.5 page) and a brief CV (1 page). Submit by E-mail to erik.selander@marine.gu.se

Application deadline 20th of June 2017 max 15 students

Teachers:

Prof. Enric Saiz ICM-CSiC
Prof. Peter Tiselius BioEnv GU
Prof Per Jonsson Marine Sciences GU
Prof. Lars Arneborg SMHI
Prof. Helle Ploug Marine Sciences GU
Prof. David Turner Marine Sciences GU
Prof. Göran Broström Marine Sciences GU
Ass. Prof. Ann Larsson Marine Sciences GU
Ass. Prof. Erik Selander Marine Sciences GU
Prof. Sten Åke Wängberg Marine Sciences GU

Contact and inquiries:

Erik Selander erik.selander@marine.gu.se

