



## PHD COURSE: TRANSDISCIPLINARY APPROACHES TO SUSTAINABLE MARINE AQUACULTURE (4 ECTS)

Course dates: 22-27<sup>th</sup> of October, 2017

Locations: Sven Lovén Centre for Marine Infrastructure – Tjärnö (22-25 October) & Kristineberg (25-27 October), Sweden

The PhD course “**Transdisciplinary approaches to sustainable marine aquaculture**” is **free of charge** and includes **study visits to aquaculture sites, accommodation and meals**, but students will need to cover their own travel costs.

Submit an online application: <https://www.webropolsurveys.com/S/D0016BBA954A44AD.par>

Deadline for registration: **29<sup>th</sup> of September, 2017**

## Course description

Aquaculture holds tremendous promises to alleviate the global increased demand for food. The rapid growth of the aquaculture sector has, however, also lead to concerns for environmental impacts such as environmental pollution, biological pollution, and the use of wild fish for fishmeal and fish oil production. A comprehensive planning for sustainable seafood production do not include only technical and biological concerns but must involve interactions between the aquaculture industry, researchers, authorities and the public at several levels.

This PhD course aims at presenting and discussing trans- and interdisciplinary methodologies to study the world's aquaculture ecosystems and their possibilities to develop. The students will be introduced to “The Triple Helix model”, a useful approach for integrating academic, public and industry partners. The course will also cover participatory design processes with-n the transdisciplinary approach that focus on co-creation and prototyping as ways to unify stake-



holder collaboration. The course is aimed for PhD students with interest in management of marine resources through development of sustainable food production from the sea. The course will include lectures; preparatory literature study; student oral presentations; intensive group studies in collaborative team projects; and study visits to aquaculture sites. The course will be taught by international lecturer, such as [Barry Costa-Pierce](#) and [Glenn Page](#), and local experts.

The course constitutes two parts: 1) one intensive week held at the Sven Lovén Centres for Marine Infrastructure (SLC) at Tjärnö (22-25 October) and Kristineberg (25-27 October), which are both located on the Swedish West Coast. More information about the research stations is available at the SLC webpages for [Tjärnö](#) and [Kristineberg](#). 2) one internet based part during which groups of 4 students work together on one aquaculture organism and system to describe the whole value chain “from farm to fork”.

Applications should include a short motivation and a brief CV with their online application; these two documents should be e-mailed to: [susan.gotensparre@bioenv.gu.se](mailto:susan.gotensparre@bioenv.gu.se)



Max 20 PhD students will be accepted.

For enquiries about the course, please contact the course organisers: [maria.nystrom@hdk.gu.se](mailto:maria.nystrom@hdk.gu.se) or [kristina.sundell@bioenv.gu.se](mailto:kristina.sundell@bioenv.gu.se)

Responsible department and other participating departments/organisations: Swedish Mariculture Research Center, Center for Sea and Society at University of Gothenburg, and Departments of Biological and Environmental Sciences, Marine Sciences, Academy of Design and Crafts, School of Business, Economics and Law,

Co-financing: The Royal Swedish Academy of Science



Maria Nyström



David Langlet



Glenn Page



Barry Costa- Pierce



Merrit Polka

