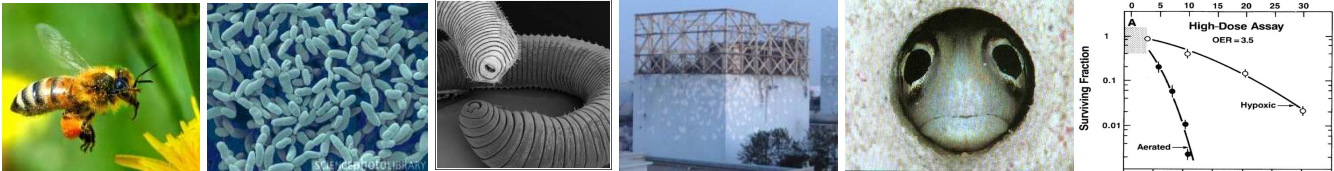




Environmental Radiobiology

24-28th June 2013, UMB, Norway

5 ECTS MSc/PhD Course organised by the Norwegian University of Life Sciences (UMB) and Stockholm University, supported by DoReMi and STAR



Course Aims and Overview

The aim of the course is to give students an overview of the fundamental principles of radiobiology, but within the context of effects on non-human biota. As such, the course will cover both the history and the state-of-the-art of our knowledge on the biological effects of radiation on humans, including how recent studies are challenging established paradigms, but will concentrate specifically on those issues and applications of most relevance for other organisms. This includes effects and endpoints of relevance for non-human organisms, ways in which radiobiology methods and biomarkers are being applied in ecological research, factors influencing radiosensitivity in different organisms, and ecological risk assessment. Case studies will include ecological research in Chernobyl and Fukushima, and laboratory work on biomarker analysis in model organisms.

For students of radioecology the course provides the opportunity to get a better understanding of the fundamentals of radiobiology; for radiation biology students it offers the chance to see how radiobiology concepts and tools are applied in other areas of radiation research, thus gaining a more in depth understanding of the subject.

Teachers

Prof Carmel Mothersill and Prof Colin Seymour (McMaster University); Prof Andrzej Wojcik and Dr Clare Bradshaw (Stockholm University); Prof Deborah Oughton (Norwegian University of Life Sciences)

ECTS accreditation

Environmental Radiobiology (MINA410) is a 5 ECTS Bologna Accredited course. Student fees in Norway are low (ca. 40 euro for the course) and organisers will help with MSc and PhD student registration.

Accommodation

Accommodation is available on a first-come-first-served basis, and ranges from rooms in student residence halls to shared apartments and hotels. A limited number of accommodation support grants are available.

Extracurricular activities

The 24-28th June coincides with Midsummer in Norway, and various cultural activities, including a Midsummer Festival celebration will be organized for students.

Application Deadline 31st March 2013

Further information and application for the course: deborah.oughton@umb.no
www.star-radioecology.org www.doremi-noe.net