

BIO-info 08/2011, 25. feb. 2011 [BIO: sakslistor og møtereferater](#) [BIO-info arkiv](#)
submission deadline to bio.info@bio.uib.no is Wednesday 16:00

Fra toppen!

Marin samling

[Denne uken](#) er 15 marine forskningsinstitutt samlet i Napoli, ved Anton Dohrn Zoological Station, for å styrke organiseringen av europeisk marin biologisk forskning i regi av European Marine Biological Resource Centre ([EMBRC](#)). Anton Dohrn var mannen som startet det hele med tanken om et nettverk av marine stasjoner langs Europas kyster i 1872.

Det var også hos Dohrn Fridtjof Nansen, som vi i år feirer 150-årsjubileet til, oppholdt seg i 1886, mens han jobbet med sin doktorgrad ved Bergens Museum. Nansen var pådriver bak vår egen Biologiske Stasjon, som ble etablert i 1892, her på Marineholmen.

I dag er det vår nære Marineholmen-nabo [Sars-senteret](#) som representerer Norge i EMBRC. Sars-senteret er bare 14 år ungt, men bærer gjennom navnet tradisjoner tilbake til 1800-tallets store navn i marin biologi og havforskning, og har raskt gjort seg bemerket med banebrytende funn i internasjonal forskning, gjennom sine studier på marine modellorganismer. Partnerskapet til EMBL i Heidelberg er også en stor anerkjennelse av dette arbeidet.

Vi tar det for gitt at innsatsen i EMBRC vil bære frukter også for det videre samarbeidet mellom BIO og Sars, og ønsker lykke til i dette ambisiøse arbeidet.

Hilsen Anders



Ukens bilde

Svalestjert-larve

Fotograf: **Trine Årstøl**



Trine ble grepet av "vår-ånden" i forrige ukes BIO-info og sendte oss et bilde med litt mer sommerstemning. Det er en svalestjert-larve (*Papilio machaon*). Bildet er tatt på en holme i skjærgården utenfor Arendal.

You are invited to submit photos (electronically!) for "Ukens bilde". Please include a very short description and credit information. Picture can be of researchers / students in action, technology, organisms, field sites ... Please send your pictures to bio.info@bio.uib.no

Innhold:

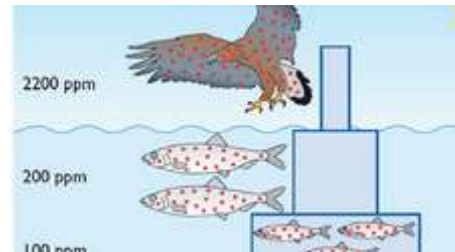
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Siste nytt fra BIO

Anders med kronikk i BT

Kystverket dekker til problema

Kystverket nyttar dei same gamle argumenta for tildekking av ubåtvraket som sist. Då lyt me gjenta dei same gamle motargumenta: Kystverket overvurderer risikomomenta ved heving, og samstundes ignorerer dei viktige faremoment ved tildekking. [Kronikk](#) i BT av Anders Goksøyr og Einar Sletten (Kjemisk inst.)



Utdanningsnytt

Nordic Field course in Geobiology og Masterdag

Nordic Field course in Geobiology

Iceland, with its unique situation on a mid-ocean ridge, and with countless hot springs and other geothermal features teeming with life, constitutes an ideal natural laboratory for the study of the interface between the geosphere and the biosphere.

This course is intended for MSc and PhD students (5 ETCS). It will include lectures, field trips as well as practical exercises designed to introduce the students to standard field and laboratory techniques used in microbiology, molecular ecology, biogeochemistry and geology.

Application deadline: March 15th, 2011. Further information can be found on: <http://www.sdu.dk/summercourse/geobiology>

Kurset passer for masterstudenter i geobiologi. Ingunn Torseth ingunn.thorseth@geo.uib.no er kontaktperson ved UiB.

Masterdag 17. mars

Torsdag 17. mars kl. 14-17 skal BIO arrangere Masterdagen. BIO sin masterdag er ein del av eit større arrangement ved fakultetet – Masterveka 2011.

Vi minner om at forskningsgruppene må byrje å planlegge sine bidrag på masterdagen:

- Oppnemne eit gruppemedlem som kontaktperson for studieseksjonen i planlegginga av dagen
- Stille med ein eller fleire vitenskapleg tilsette, og gjerne masterstudentar frå gruppa til å stå på gruppa sin stand.
- Skrive ei kort skildring av dei ulike masterprosjekta gruppa kan tilby. Skildringa bør ikkje vere på meir enn 1 side og innehalde:
 - tittel
 - studieretning
 - rettleiar/kontaktperson (med kontaktinformasjon)
 - kort skildring av prosjektet
 - ev. tilrådde forkunnskapar/tilrådde emner før eller under mastergraden
 - ev. referanse til meir informasjon om prosjektet og gruppa

Desse skildringane vil vi gjerne ha inn på førehand slik at vi kan legge informasjon på nettet og kopiere opp til Masterdagen. Frist for innsending til studie@bio.uib.no er 8. mars.

Siste nytt fra verden rundt oss

Ny UiS-rector

Marit Boyesen ny UiS-rector

Boyesen er i dag dekan ved Samfunnsvitenskapelig fakultet, UiS og er utdannet dr. polit. i sosiologi. Les [mer](#).

Ledige stillinger for biologer

To nye stillinger lagt ut – stipendiatstilling på UNIS og ved The Leibniz Center for Tropical Marine Ecology. Mer info finner du [her](#). Stillinger utlyst på BIO finner du på instituttets [nettside](#) nederst til høyre.

Forskning: utlysninger, nye satsinger og prosjekter

Mer info om utlysninger inkl. løpende, dvs. uten frister finner du [her](#)

Husk å sende søknadsutkastet til post@bio.uib.no 1 uke i forveien (gjelder ikke mindre bevilgninger som legater og fonds)

Kurs, møter, seminar og arrangement

On Feminism and the Animal; SymBioSE 2011; ICPS 11; Postgraduate School of Industrial Ecology; EuroEnviro2011, Teaching about science teaching,



Gjesteforelesing: "Teaching about science teaching: Thinking about Pedagogical Content Knowledge"

Foreleser: Dr. John Loughran, Professor, Monash University, Australia

Tid: 2. mars 2011, kl. 14:15

Sted: Auditorium Pi, Matematisk institutt, Johs. Brunsgt. 12

[Les mer](#).

Graduate course On Feminism and the Animal

Centre for Women's and Gender Research (SKOK), University of Bergen, Norway, offers the graduate course, On Feminism and the Animal, 18 – 20 May, 2011.

Lecturer: Professor Elizabeth Grosz, SKOK/Rutgers University, New Jersey, USA

The course is almost filled up, but there are a few places left. Read [more](#). For more information please contact marianne.eskeland@skok.uib.no

Register before March 30 to marianne.eskeland@skok.uib.no

Welcome to SymBioSE 2011!

In 2011 SymBioSE will take place in Switzerland for the first time from July 27 to August 6, organised by biology students of the University of Basel. During the 10 day meeting international graduate and undergraduate students will have the possibility to present their own research in talks and posters as well as in workshops. In



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Nyheter fra Institutt for biologi

addition, leading biologists of the University of Basel will give lectures about ongoing research. During a three day excursion, participating students will visit the "Alpine Research and Education Station Furka" in the heart of the Alps to learn about leading ecological field research. Furthermore participants will have the opportunity to learn about different cultures in Europe, especially the Swiss culture. For more information and application form read [here](#).

International Conference on Polygeneration Strategies – call for papers

The conference takes place i30 th August to 1 st of September 2011 in Vienna, Austria

Topics: Gasification; Gas Treatment; Syngas Application; Modeling and Simulation
Read [more](#).

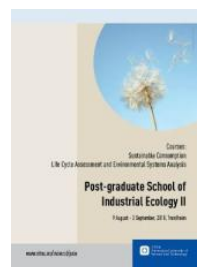


Postgraduate School of Industrial Ecology

Summer School, Trondheim, Norway, 8-19 August 2011:

Course : Life Cycle Assessment and Environmental Systems Analysis (EP8108)

Our summer school offers PhD courses in industrial ecology. This summer we will offer one course addressing life-cycle assessment/environmental systems analysis. The school builds on the successfully completed "Postgraduate School of Industrial Ecology", an EU Marie Curie series of research training courses. It leverages NTNU's leading position in industrial ecology, including a comparatively large number of own PhD students and a long focus in PhD education in the field.



The summer school targets Ph.D. candidates, young researchers and faculty members from throughout the world. The course is registered as PhD course at NTNU and credited and graded according to [the European Credit Transfer System \(ECTS\)](#) with 7,5 ECTS credits each. The course consists of 2 weeks of self-study and 2 weeks of intensive training sessions in Trondheim. Fulfillment of the course requires the completion of an exam and submission of a research paper

There are no course fee, but each participant must cover their own travel and living expenses. We don't offer any scholarships. For information about the course, and how to apply, read [more](#).

The application deadline is 8 April 2011.

17th international student symposium EuroEnviro

The 17th international student symposium EuroEnviro is taking place in Croatia from 20th till 28th of May. Topic of this years EuroEnviro is „Biodiversity and Urbanism“. Applications for the symposium are open from 21st of February till 7th of March on this [website](#).



Invitasjon til studenter: Generalforsamling i FHL 6. og 7. april 2011

Fiskeri- og havbruksnæringens landsforening (FHL) inviterer med dette alle studenter innen marine studier til deltakelse på generalforsamling i Fiskeri og Havbruksnæringens Landsforening 6. og 7. april i Bergen. Vi ønsker at fremtidige arbeidstakere i næringen skal få bli kjent med oss og våre medlemsbedrifter, derfor inviterer vi dere til å delta på generalforsamlingens to dager og festmiddag.

Dere deltar selvsagt kostnadsfritt på møte og middag. Vi har ikke satt noe tak på antall studenter, men vi forutsetter at dere har en relevant studieretning, dvs noe innen fiskeri, akvakultur, marinbiologi, sjømat eller lignende.

Ler mer om [FHL](#), [generalforsamlingen](#) og [Sett sjøbein](#). [Påmeldings](#)frist er 3. mars.

Mer info om kurs, møter, seminar og arrangement etc finner du [her](#).

Nye artikler

Mikko Heino

Hendry, A. P., M. T. Kinnison, **M. Heino**, T. Day, T. B. Smith, G. Fitt, C. T. Bergstrom, J. Oakeshott, P. S. Jørgensen, M. P. Zalucki, G. Gilchrist, S. Southerton, A. Sih, S. Strauss, R. F. Denison, and S. P. Carroll. 2011. Evolutionary principles and their practical application. *Evolutionary Applications* 4:159-183.

Evolutionary principles are now routinely incorporated into medicine and agriculture. Examples include the design of treatments that slow the evolution of resistance by weeds, pests, and pathogens, and the design of breeding programs that maximize crop yield or quality. Evolutionary principles are also increasingly incorporated into conservation biology, natural resource management, and environmental science. Examples include the protection of small and isolated populations from inbreeding depression, the identification of key traits involved in adaptation to climate change, the design of harvesting regimes that minimize unwanted life-history evolution, and the setting of conservation priorities based on populations, species, or communities that harbor the greatest evolutionary diversity and potential. The adoption of evolutionary principles has proceeded somewhat independently in these different fields, even though the underlying fundamental concepts are the same. We explore these fundamental concepts under four main themes: variation, selection, connectivity, and eco-evolutionary dynamics. Within each theme, we present several key evolutionary principles and illustrate their use in addressing applied problems. We hope that the resulting primer of evolutionary concepts and their practical utility helps to advance a unified multidisciplinary field of applied evolutionary biology.

Thrall, P. H., J. G. Oakeshott, G. Fitt, S. Southerton, J. J. Burdon, A. Sheppard, R. J. Russell, M. Zalucki, **M. Heino**, and R. F. Denison. 2011. Evolution in agriculture: the application of evolutionary approaches to the management of biotic interactions in agro-ecosystems. *Evolutionary Applications* 4:200-215.

Anthropogenic impacts increasingly drive ecological and evolutionary processes at many spatio-temporal scales, demanding greater capacity to predict and manage their consequences. This is particularly true for agro-ecosystems, which not only comprise a significant proportion of land use, but which also involve conflicting imperatives to expand or intensify production while simultaneously reducing environmental impacts. These imperatives reinforce the likelihood of further major changes in agriculture over the next 30-40 years. Key transformations include genetic technologies as well as changes in land use. The use of evolutionary principles is not new in agriculture (e.g. crop breeding, domestication of animals, management of selection for pest resistance), but given land-use trends and other transformative processes in production landscapes, ecological and evolutionary research in agro-ecosystems must consider such issues in a broader systems context. Here, we focus on biotic interactions involving pests and pathogens as exemplars of situations where integration of agronomic, ecological and evolutionary perspectives has practical value. Although their presence in agro-ecosystems may be new, many traits involved in these associations evolved in natural settings. We advocate the use of predictive frameworks based on evolutionary models as pre-emptive management tools and identify some specific research opportunities to facilitate this. We conclude with a brief discussion of multidisciplinary approaches in applied evolutionary problems.

***A full listing of BIO's ISI publications can be found on BIO's internal web pages. Click here for an [alphabetic listing for 2010](#). Click here for a [listing sorted by date](#) in ISI (most recent at the top).