

BIO-info 12/2011, 25. mars 2011 [BIO: sakslistor og møtereferater](#) [BIO-info arkiv](#)
submission deadline to bio.info@bio.uib.no is Wednesday 16:00

Fra toppen!

Begeistringens kraft

Administrasjonen på BIO var denne uken samlet til seminar på Espegrend (fantastisk flott seminarsted, forresten!). Jeg fikk anledning til å være med på en økt med Tom Arne Myhren under temaet «Med begeistring som kraftkilde». Tom Arne er fra sans og samling (www.sans-samling.no), og har vært med på å snu livsgnisten i en fraflyttingstruet bygd på indre Hedmark til å bli et gnistrende kraftsentrum. Forskjellen? Menneskene som bor der og hvordan de utnytter sine indre verdier i et fellesskap.

Nå var ikke baktanken å sammenligne BIO med en fraflyttingstruet grend, verken som helhet eller administrasjonen isolert, men litt mer begeistring i hverdagen kan vi alle ha godt av. Det er neppe noen som har fått overdose av det i arbeidslivet, som Myhren påpekte.

Selv i en tid med trange budsjetter og dårlig tilslag på NFR-søknader må vi ha lov til å glede oss over hverandres store og små fremganger og suksesser. Vi kan gi hverandre skryt og berømmelse der det er fortjent. Slik kan entusiasme og engasjement gi energi både til mottaker og avsender. Vi har mye godt humør i administrasjonen, og det skal vi fortsette å ha, også til glede for de som drar nytte av servicen til denne gjengen. Syting og klaging blir heretter henvist til egne «sytebaner».

Hilsen Anders



Ukens bilde



BIOs skidag

Fotograf: **Annike Lygren**

BIOs årlige skidag var i år lagt til Voss. Her er en glad gjeng biologer klare til å nyte friluftsliv og fellesskap.

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

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Siste nytt fra BIO

Gratis trimsykler, hyller med mer; Get rid of old stuff next week

Gratis trimsykler, hyller og diverse

Trenger du en trimsykkel eller en bokhylle? Under trappen lengst sør i A-blokken står to trimsykler og diverse annet som interesserte kan få gratis. I fellesarealet utenfor seminarrommene K1/2 i A-blokken står også flere hvite Billy-hyller som interesserte kan forsyne seg av. Tingene må hentes innen 30. mars. Etter denne dato blir de kastet.

Container for waste three days next week – get rid of old stuff!

There will be a container for general waste outside the A Building from Tuesday 29 March to 1 April. BIO encourages everyone to a common project so we can get rid of all rubbish, old furniture that is not going to be used, and remnants from the moving process that is left in different places in our buildings. Boxes need to be flattened. Please note that you *cannot* dispose special-waste in the container. This also holds for electrical equipment. If you have the latter, please contact [Eva Krzywinski](#).

The HSE round revealed some rubbish here and there. The deadline for removal is 1 May, but everybody is encouraged to use the opportunity next week to get rid of it, because this is the only container we will order.

Utdanningsnytt

Timeplanlegging, PPU-møte og fagseminar om internasjonalisering

Timeplanlegging for hausten 2011

Vi er no gang med å planlegge timeplanen for hausten 2011. Emneansvarlege som har større endringar i timeplanen frå 2010, og spesifikke romønske, må ta kontakt med [Studieseksjonen](#) så snart som råd. Alle emneansvarlege vil få forslag til timeplan tilsendt til godkjenning.

Lyst til å bli lærer? - informasjonsmøte om PPU 31. mars

Lærerutdanningen ved UiB arrangerer informasjonsmøte om ettårig praktisk-pedagogisk utdanning (PPU) for deg som lurer på om læreryrket kan være noe for deg:

Tid: Torsdag 31. mars kl. 14.15

Sted: Auditorium 130, Bjørn Christiansens hus, Christies gt 12 (Det psykologiske fakultet)

Her vil du få informasjon om PPU-studiet, opptakskrav og søknadsfrister. Det blir også anledning til å stille spørsmål.

Vel møtt!

Fagseminar om internasjonalisering – 7. april 2011

Det matematisk-naturvitenskaplige fakultetet arrangerer torsdag 7. april et fagseminar om internasjonalisering i utdanning, med særlig fokus på inngåelse av Erasmus-avtaler. Seminaret vil fokusere på hvorfor det er viktig med deltagelse av både vitenskaplig og administrativt ansatte i prosessen med etablering av Erasmus-avtaler, og vil være relevant for både faglig og administrativt ansatte med interesser for internasjonalisering. [Les mer](#) om programmet.

Tid og sted: Torsdag 7. april, kl. 13:15-15:00, ViIvite, Konferanserom A

Siste nytt fra verden rundt oss

Plea from former Japanese colleague; Forskningsbarometeret lansert

Plea from Japanese former BIO colleague

"Dear friends and colleagues,

I'm Yuko Kamisaka from Japan. I have been at Institute of Biology (Institute of Zoology before) in group of prof. Ivar Rønnestad more than 10 years at first as a guest student and as a researcher later. Since I have got a good contact to many of you, I would like to ask your support for Japan.

The disaster which attacked Japan was really terrible. No one expected to have such a big earthquake in those areas, and no one expected to have such high tsunamis. The affected areas had historically many tsunami damages and there were most prepared areas for tsunami with kilometers long high breakwaters.

The people were well trained for prevention of disasters and everyone knew where to escape when tsunami alarm issued. But the disaster this time was much more than expected. In another words, it could have been worse if it had happened at another area in Japan.

Fortunately, my family members are all safe, since they live in central Japan (Toyota, Toyama and Tokyo). But as a one of Japanese living in Norway, I would like to do something for the victims.

I see TV or internet news that the disaster destroyed many of the towns completely. It just looks like in wartime. However, the victims have not given up but still have hope. They help each other and encourage each other even though they are in deep grief. It is impossible to revive lost lives, but it is possible to reconstruct the towns. They need economical support.

We, Japanese living in and around Bergen, have discussed how to support them, and found out that the best way is to send donations directly to Japanese Red Cross. Then Japanese people can decide how to use donations for the victims. We don't need to care how much it cost for sending rescue operation or for administration from Norwegian Red Cross. Embassy of Japan in Norway has opened bank account for donations. They will help to send donations to Japanese Red Cross.

I beg a favor of you to use this route for donations, and also to send forwards this message.

I hope many people get a chance to know this alternative route. Thank you very much for your consideration and support!

Best regards,

Yuko Kamisaka" [More info](#)

Ny nettside, "Forskningsbarometeret", lansert av Kunnskapsdepartementet

Forskningsbarometeret, Kunnskapsdepartementets nye [nettside om forskning og innovasjon](#).

Forskningsbarometeret 2011 består av 24 nøkkelindikatorer for norsk forskning og innovasjon og årets temadel "Kunnskap for framtida". Hva må til for å bygge morgendagens samfunn? Og har vi kunnskap for framtida? [Les mer om forskningsbarometeret 2011](#).

Ledige stillinger for biologer

Mer info finner du [her](#). Stillinger utlyst på BIO finner du på instituttets [nettside](#) nederst til høyre.

Forskning: utlysninger, nye satsinger og prosjekter

MCB Travel fellowship; Workshop; Faglitteratur-stipend; Nordic Climate Festival

MCB Travel fellowship

It is part of MCB's ambition as a research school to stimulate international exchange. To facilitate this, MCB offer travel fellowships of up to 7500 NOK to MCB members for participation in an international conference or course.

Deadline: 15 April 2011 See the [details and how to apply](#)

Oslo:Informasjonsmøte om Individuelle Marie Curie Fellowships

Erfarne forskere etter EUs definisjon, det er de som har en dr.grad, eller har mer enn fire års forskningserfaring. De kan søke **Marie Curie Individual fellowships på utlysningene som nå er åpne**, og få grunnleggende informasjon i infomøte 27.april! [Les mer](#)

Stipend fra Norsk faglitterær forfatter- og oversetterforening (NFF)

Vedlagt finner ut utlysning av NFFs ekstraordinære stipender med søknadsfrist 02.05.11. Mer informasjon om stipendene på [NFFs hjemmesider](#)

Nordic Climate Festival @Aalto, Finland

Aalto University will organize a 4-day youth event on climate change and sustainability issues, Nordic Climate Festival @Aalto, in Otaniemi, Espoo, Finland on 30.8.-2.9.2011.

In connection to the seminar we invite all master- and PhD level students studying in Nordic universities to apply for our workshop, *Shortcuts to sustainable Nordic communities*. The workshop focuses on finding novel approaches in promoting sustainable solutions to climate change mitigation and adaptation challenges in the Nordic countries.

A total of 90 students from all Nordic countries will be chosen to the workshop, based on a letter of interest. **All travel and accommodation costs will be provided for the participants.** The workshop tracks will be hosted by top researchers of Aalto University and will be conducted in Nordic co-operation. Working language of the workshop is English. [More info](#)

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).

PhD: disputas og prøveforelesning

Disputas: Doksæter

Disputas Lise Doksæter: Er forsvarets sonarer skadelig for fisk og hval?

Lise Doksæter disputerer 1 april for ph.d.-graden med avhandlingen "Behavioural effects of naval sonars on fish and cetaceans"

Veil: Olav Rune Godø, Anders Fernø, Petter Kvadsheim

Bedømmelseskomite:

Director Ronald A. Kastelein, Sea Mammal Research Company, Nederland, Professor Olav Sand

Universitetet i Oslo, Førsteamanuensis Kjersti Sjøtun, BIO (leder)

Leder av disputasen: Professor Øyvind Fiksen, Universitetet i Bergen

Tid og sted: Fredag 1. april 2011, kl. 10.15, Stort auditorium, Høyteknologisenteret, Thormøhlensgate 55



Alle interesserte er velkommen

http://www.uib.no/info/dr_grad/2011/Doksaeter_Lise.html

Kurs, møter, seminar og arrangement

Nasjonalt JPI møte Bergen; Summer Schools; Workshop "fish-killing marine algae"; FAP-møte

NB, Minner om Nasjonalt møte om JPI - Sunne og produktive hav i Bergen tirsdag 29 mars

Forskningsrådet arrangerer et stort nasjonalt informasjonsmøte om den felleseuropeiske JPI-satsingen "Sunne og produktive hav" tirsdag 29. mars i Bergen. Dette er en av de største forsknings-satsingene som Norge deltar i, og møtet er en god mulighet for norske aktører til å få førstehånds informasjon om hvordan man kan koble seg til satsingen. [Les mer](#)

Nordic Summer School in Cancer Epidemiology

Course and Research Projects for Students in Medicine, Statistics, Natural, and Social Sciences
Application deadline: 15. april 2011 [More info](#)

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

Postgraduate School of Industrial Ecology

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

For [information about the course, and how to apply](#)

The application deadline is 8 April 2011.

Workshop om "fish-killing marine algae"

Arrangør: Veterinærinstituttet Sted/dato: Oslo 10-11. april.

De etterlyser sterkt flere bidrag/deltakere fra Bergensmiljøet. Påmeldingsfrist er 6 april [Mer info](#)

Er du også lei av byråkratisering?

FAP-gruppen i Forskerforbundet har samlet et debattpanel med Sigmund Grønmo (rektor), Gjert Kristoffersen (dekan ved HF-fakultetet), Ida Holen (administrasjonssjef ved Institutt for informatikk) og Harald Åge Sæthre (leder av FAP-gruppen ved UiB).

Professor Ivar Bleiklie vil holde en innledning til møtet.

Tid: Mandag 4. april kl. 15.15 -17. Sted: Auditorium A, Sydneshaugen skole. [Mer info](#)

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

Nye artikler

Furevik; Pettersen; Wergeland; Salvanes; Utne-Palm; Braithwaite; Keuning; Schander; Bergh; Karlsen; Fjellbirkeland

Anette Furevik, Eirin Fausa Pettersen, Duncan Colquhoun and Heidrun I. Wergeland The intracellular lifestyle of *Francisella noatunensis* in Atlantic cod (*Gadus morhua* L.) leucocytes Fish & Shellfish Immunology Volume 30, Issue 2, February 2011, Pages 488-494

Francisella noatunensis causes the systemic granulomatous inflammatory disease, francisellosis in cod. Little is known about the lifestyle of this facultative intracellular bacterium within cod leucocytes. We have examined the interaction of this bacterium with phagocytic cells isolated from cod with emphasis on monocytes, macrophages, neutrophils and phagocytic B-cells. It is clear from confocal microscopy sections through adherent cell preparations that numerous bacteria were located intracellularly following *in vitro* infection in monocytes and macrophages. In these sections bacteria were immunostained and cell actin was stained using Alexa Fluor[®] 488 phalloidin. Bacteria were observed in close association with neutrophils and intracellularly (low numbers) in B-cells. Bacteria were observed more frequently in head kidney- than in peripheral blood- and spleen- leucocytes.

Following infection, bacteria were initially observed grouped together and located close to the nucleus. Later they were found spread within the cytoplasm. This indicates egression of *F. noatunensis* from the phagosome to the cytoplasm where replication possibly takes place. It may be hypothesised that the bacteria may alter maturation of the phagosome and thus, avoid the potent intracellular killing mechanisms of phagocytic cells. The intracellular lifestyle involving escape to cytoplasm prior to fusion with the lysosome may have consequences for vaccine development as well as antibiotic treatment of infected cod.

Salvanes AGV, Utne-Palm AC, Currie B, Braithwaite VA Behavioural and physiological adaptations of the bearded goby, a key fish species of the extreme environment of the northern Benguela upwelling [MEPS 425:193-202](#) | [Full text in pdf format](#) -**Open Access**

Nutrient-rich, upwelling marine areas with high productivity often produce sediments dominated by organic-rich mud. Here, intense decay processes create hypoxic conditions with high concentrations of hydrogen sulphide and methane in the muddy surface layers. Such environments are inhospitable to most forms of life and those organisms that can survive in these areas tend to be specialists that cope with anoxic or hypoxic conditions, e.g. sulphide-oxidising bacteria and chemolithotrophic bacteria. Surprisingly, during recent acoustic and survey work in the northern Benguela region off the coast of Namibia, it was observed that the bearded goby *Sufflogobius bibarbatus* spends much of the day on the seabed interacting with the hypoxic and sulphidic mud, making a diel vertical migration (DVM) to spend the night in more oxygenated, but jellyfish-rich waters. We describe a series of experiments that demonstrate physiological and behavioural adaptations that enable the gobies to cope with hypoxia, anoxia and exposure to sulphide for prolonged periods of time. We also observed that the fish burrow directly into the muddy substrate when threatened and that, unlike another fish species common to this area, the horse mackerel *Trachurus capensis*, the gobies tolerate the presence of jellyfish.

Keuning Rozemarijn, Schander Christoffer, Kongsrud Jon Anders, Willassen Endre. Ecology of twelve species of Thyasiridae (Mollusca: Bivalvia) *Marine Pollution Bulletin* xxx (2011) xxx–xxx

Benthic samples from coastal locations off Southwestern Norway were examined and the specimens of Thyasiridae were identified to species. A multivariate analysis based on 13 parameters was carried out and the environmental preferences of all thyasirid species present were determined. The potential of the Thyasiridae as indicators of organic enrichment was investigated by using direct canonical correspondence analyses to identify correlations between selected environmental parameters and the collected biological data. The presence of *Thyasira sarsi* together with a low biodiversity is a good indicator of organic enrichment. High thyasirid species diversity seems to indicate good environmental conditions, and single thyasirid species that lack symbiotic bacteria might also be useful as indicators of good environmental conditions.

L.-H. Johansen I. Jensen H. Mikkelsen P.-A. Bjørn P.A. Jansen and **Ø. Bergh**. 2011. Disease interaction and pathogens exchange between wild and farmed fish populations with special reference to Norway *Aquaculture* (2011) .org/10.1016/j.aquaculture.2011.02.014

Norway has the largest salmon-farming industry in the world, an industry that is still growing, and in recent years production of marine species like Atlantic cod has also increased. At the same time, Norway has the world's largest wild stock of Atlantic salmon and has fjord systems and ocean areas rich in wild marine fish species which form the basis of a large fishing industry. As the aquaculture industry grows and diversifies, there is concern about the potential effects of pathogens spreading from farmed fish to wild populations. The overall health situation in Norwegian aquaculture is good, but some pathogens are not controlled effectively. In particular, salmon lice produced in farms may cause problems for wild salmonids and other parasites may be abundant too. Also, viral diseases in Atlantic salmon and bacterial diseases in Atlantic cod give rise to several disease outbreaks annually. The open design of most aquaculture systems allows the transmission of pathogens from the environment or from wild fish to the farmed fish. The objective of this review is to provide an overview of current

knowledge of disease interaction and pathogen exchange between farmed and wild fish populations, with emphasis on Norwegian condition. In addition, the paper contains an evaluation of research methods that would be useful in expanding knowledge of pathogen exchange between wild and farmed fish, and in surveys of diseases in wild fish populations. The impact of pathogen transfer from farmed fish to economically important wild fish populations is assessed together with risk analysis considering possible consequences of pathogen exchange between farmed and wild fish. Finally, the review contains suggestions for future research that will increase the knowledge in the field

Book chapter

Odd A. Karlsen, Frode S. Berven, Harald B. Jensen, and **Anne Fjellbirkeland**: Methanotroph Outer Membrane Preparation Methods in Enzymology, Volume 495, 2011 Elsevier Inc. ISSN 0076-6879, DOI: 10.1016/B978-0-12-386905-0.00011-5

***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).