

BIO-info 15/2010, 23. april 2010 [BIO: sakslistor og møtereferater](#) [BIO-info arkiv](#)
submission deadline to bio.info@bio.uib.no: Wednesday 16:00

Fra toppen!

I ly av askeskyen

Asken fra Island har satt sitt preg på BIO-livet denne uken. Vår nestleder Vigdis Vandvik har vært askefast i Uganda hele uken, Heidrun Wergeland, Nils-Kåre Birkeland og Ian Mayer i Bangkok, Henrik Glenner og Christoffer Schander ble også rammet. Og kanskje er det flere. Selv ble jeg fast i Bergen tidligere i uken, da Biofagrådsmøtet på Ås ble avlyst pga askeskyene fra Eyjafjallajökull. Slike åpninger i kalenderen kan jo være en velsignelse i en ellers travel hverdag, men er nok desto mer frustrerende for de som ikke kommer seg frem til eller hjem fra land langt vekk.

Situasjonen har rammet så mange at det er utgitt et eget PM til Statens Personelhåndbok: «PM 2010-03 Fravær i forbindelse med flyforbudet etter vulkanutbrudd på Island», som beskriver hvordan arbeidstaker og arbeidsgiver skal forholde seg i denne situasjonen. De som lurar på noe kan sjekke [her](#).

Av våre gjester på miljøtoksikologikonferansen i forrige uke måtte våre britiske venner vente til onsdag før de kom seg hjem, mens gjestene fra USA og Canada ikke er på vei over Atlanteren før i dag. Alt dette viser hvor sårbare vi er blitt for slike naturfenomen, og at vi kanskje må være forberedt på å legge inn litt slingringsmonn neste gang vi skal ut og reise. Derfor tar jeg tog til Oslo på tirsdag!

I ly av askeskyen har vi lagt planer for strategikonferansen 6. mai, der fokus vil bli på forskning og utdanning, og hvordan vi kan bli gode på dette i synergi med våre omgivelser og innenfor de rammebetingelser vi er gitt. Vi håper vi kan få med flest mulig studenter og ansatte på dette arrangementet, invitasjon og påmelding finner du [her](#).



Hilsen Anders Goksøyr

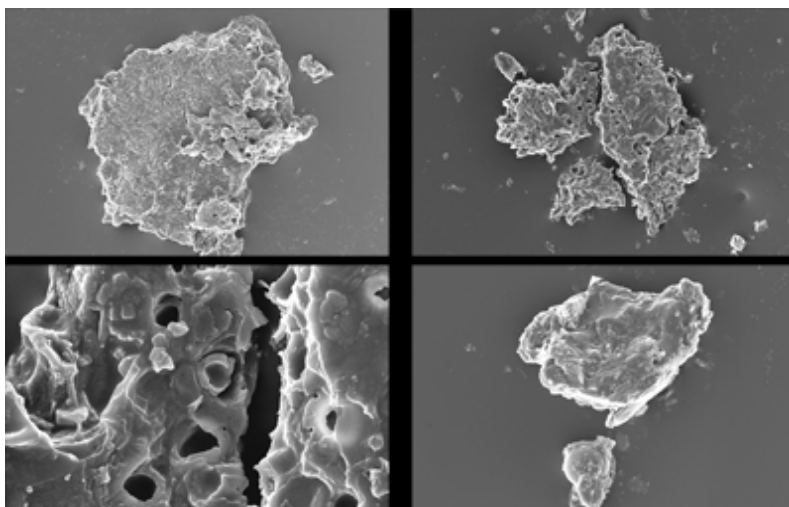
Ukens bilde

Cash not ash!!

Photographer: Egil Sev. Erichsen,
Chief engineer Laboratory for Electron
Microscopy

Her sier vi noe SEM-bilder av
Eyjafjallajökuls askebiter som har
funnet vegen helt hit til Bergen.

(Did you hear the one about Iceland's
economy's last words? "Please spread
my ashes over Europe!")



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 [Elinor Bartle](mailto:Elinor.Bartle@iuh.uib.no)

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Siste nytt fra BIO

Husk: BIO stratgiseminar 6. mai, 15. mai frist for Eksternweb, 19. mai internfrist årets NFR søknader, BIO-fest 10. juni, fotoutsmykning

Many important BIO dates coming up

6 May 08:15-: BIO strategy day (sign up and find the program [here](#). The day ends with a pizza dinner.)

15 May: external web pages ready ([learn more](#)) ([BIO EW help pages](#))

19 May 13:00: deadline for preliminary June NFR applications (budget part) ([learn more](#))

10 June: The BIO PARTY will start around 1400. Mark your calendars NOW! More information to come!

Please note also that there is a new "felles" E-mail (to bio.info@bio.uib.no) for submissions for BIOinfo AND that there is a submission deadline for notices: Wednesday 16:00.

Fravær i forbindelse med flyforbudet etter vulkanutbrudd på Island

Les om dette fra [Statens personalhåndbok](#).



Official guidelines concerning absences due to flight problems relating to the Icelandic volcanic eruption.

Basically, if you are on official business, you must contact your employer when there are difficulties and decide together what alternatives should be undertaken. Most additional expenses are covered by your employer.

If you are on holiday, any additional expenses are naturally your own, but in addition, you are liable for the working days you miss (they will be counted as leave / avspasering, additional holiday days, or leave without pay).

Utsmykning av BIOs lokaler på Marineholmen - INVITASJON TIL FOTOUTSMYKNING

BIO har nedsatt en komité som har i oppdrag å samordne utsmykning av arealene vi disponerer i HIB, A- og B- blokken. I den forbindelse vil vi gjerne stille ut bilder med biologiske motiver. Det kan være alt fra submikroskop til store landskap, og det blir flere forskjellige størrelser på bildene.

Vi inviterer derfor ansatte og studenter til sende sine mest dekorative og interessante fotografier til komiteen. Bildene må ha høy oppløsning, og vi tenker oss at alle bildene må ledsages av en liten tekst om art, sted, evt. forstørrelse etc.

Send bildene til harald.kryvi@bio.uib.no

Siste nytt fra verden rundt oss

Valg til universitetsstyret, Bønn fra UB, Pensumlitteratur H-2010, Førstehjelpskurs MatNat, Naturmangfoldåret



Pensumlitteratur høsten 2010 til Studia

Viktig melding fra Studia til alle emneansvarlige:

Studias mål er til enhver tid å ha riktig pensumlitteratur i hyllene. For at vi skal kunne klare det, er vi avhengig av hjelp fra den enkelte foreleser.

Selv om det ikke er endring i pensumlitteraturen ønsker vi tilbakemelding, eventuelt bare med melding om at det ikke er endringer i forhold til tidligere innsendte lister.

Pensumlister kan sendes til Studia, Parkveien 1 eller på e-post til fagansvarlig RealFag erna.egeland@studia.no. Vi minner om svarfristen som er fredag **7. mai 2010**.

Vennligst gi beskjed ved kursstart om det ble flere studenter enn forventet, slik at vi kan bestille inn flere bøker så fort som mulig, dermed unngår vi å bli utsolgt. De forelesere som leverer innen

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Nyheter fra Institutt for biologi

svarfristen er med i trekningen av 5 gavekort fra Studia à kr 1.000,-. Takk for hjelpen!
Vennlig hilsen Studia as ved Erna Egeland

Gruppe B-kandidatene til Universitetsstyret

På Høyden skriver at i dag starter valget på representanter for midlertidig vitenskapelige ansatte til Universitetsstyret, såkalt gruppe B-tilsatte. Se hva de står for her! Forsker på BIO, **Sigrunn Eliassen**, er en av kandidatene. [Les mer.](#)

Bønn fra UB: Spørreundersøkelse om forskeres holdninger til egenarkivering i institusjonelle arkiv

Universitetsbiblioteket (UB) gjennomfører denne våren et pilotprosjekt kalt "Økt tilgang til forskningsresultater", hvor utvalgte institutter leverer fulltekstversjoner av sine publiserte forskningsresultater i Frida. UB rettighetsklarer dette materialet og gjør det tilgjengelig i BORA dersom forfatter og utgiver tillater det.

Som en del av dette vil en masterstudent fra bibliotek- og informasjonsstudiene ved Høgskolen i Oslo gjennomføre en spørreundersøkelse om egenarkivering og forskeres holdninger til dette. Barulaganye Hulela gjennomfører en International Masters in Digital Library and Learning og har som en del av dette hatt et praksisopphold ved UB.

Et av målene for pilotprosjektet er å lære mer om forskernes holdninger til egenarkivering og Open Access, og denne spørreundersøkelsen vil være et nyttig supplement til UBs eget materiale. Vi vil bruke informasjonen undersøkelsen gir i vår oppsummering av prosjektet.

Undersøkelsen gjennomføres i Questback og vil ta ca. 10 minutter å fullføre. Det vil ikke være mulig å spore svar tilbake til enkeltpersoner. Vi håper dere har mulighet til å svare på denne undersøkelsen:

<https://web.questback.com/barulaganyenthulahulela/hex48jpig0/>

Questionnaire about perceptions of academic authors towards self-archiving:

You are being invited to participate in a research study about perceptions of academic authors towards self-archiving their scholarly work to Institutional Repositories. The objective of this research survey is an attempt to understand the motivation and deterrence factors that make academic authors choose whether or not to deposit their research output to the Bergen Open Research Archive. Your opinions are highly appreciated. The questionnaire will take approximately 10 minutes to complete: <https://web.questback.com/barulaganyenthulahulela/hex48jpig0/>

Førstehjelpskurs til MatNat ansatte / First-aid course for MatNat employees

Kursene vil bli arrangert i uke 21, 22, 23 og 24. Vi vil innen kort tid sende ut en melding med lenke for elektronisk påmelding. [Les mer.](#)

All MatNat employees are required to have First-aid and Fire-prevention training. The next series of First-aid courses will be given in weeks 21-14. Further information and registration details will be posted shortly. [Read more.](#)

Naturmangfoldåret - bli med i 2010 - det gjelder livet!

Miljøverndepartementet og Direktoratet for naturforvaltning samarbeider i 2010 om å markere Naturmangfoldåret i Norge. Dette er den nasjonale oppfølgingen av FNs internasjonale markeringsår, som er ledet av sekretariatet under Konvensjonen om biologisk mangfold. [Les mer.](#)



Utlysning av midler til prosjekt innan IKT-støtta utdanning og livslang læring 2011

Noregsuniversitetet har lyst ut midlar til prosjekt innan IKT-støtta høgare utdanning og livslang læring for 2011. Nærare informasjon kan ein finne på Norgesuniversitetet sin nettstad www.nuv.no Her finn ein lenkjer til utlysingsbrev, søknadsskjema, rettleiing m.v.

Søknadsfrist til prekvalifiseringsrunda er 7. mai. Ta kontakt med studie@bio.uib.no for å få utfyllande informasjon.

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Nyheter fra Institutt for biologi

Ledige stillinger for biologer

Stillinger utlyst på UiB (herunder stillinger på BIO) finner du [her](#).

now	Several positions Antarctic Climate & Ecosystems (ACE)
now	Marine landscape ecologist at NOAA's, Maryland, US
29.04	Research Fellow : Ecology of fish communities, NFH, University of Tromsø
30.04	PhD position developmental Biology, Villefranche, France
open	Postdoc USC Climate Change
?	Postdoc position on biogeochemical modelling, Brest, France
10.05	Prosjektleder - akvakulture
14.05	Postdoc position - ocean acidification and coccolithophorids, MBA, Plymouth, UK
various	22 PhD & 6 post-doc: GREENCYCLESII a Marie Curie Initial Training Network
Various in May	5 PhD & Associate Prof & Assistant Prof in Ecology and Environmental Chemistry to the strategic marine research program ECOCHANGE
21.05	research position in lichenology at Royal Botanic Garden Edinburgh.
21.05	PhD positions in population genetics at the Vienna Graduate School for Population Genetics.
mid-May – mid-Oct	Volunteer opportunity working with ARCHELON , the Sea Turtle Protection Society of Greece
31.05	CSIRO Postdoc Positions Vacant (Historical reanalysis of impacts of climate change on Australian marine and aquatic organisms), Battery Point, TAS, Australia
Spring 2010	10 post doctoral positions at The Alexander von Humboldt Foundation and the Cluster of Excellence „The Future Ocean” at the Christian-Albrechts University in Kiel, Germany

Forskning: utlysninger, nye satsinger og prosjekter

Angående årets NFR-søknader, Ny utlysning INFRASTRUKTUR kommer, Calls for Nordic Master Programme, Regionale Forskningsfondet, Kandidater til forskningsrådets priser



Årets NFR søknader

FRIBIO: Søknadsfristen blir 2. juni (som for andre frie forskningsprosjekter samt [HAVKYST](#) og [MILJØ2015](#)) og utlysningen har nå kommet.

NORKLIMA: Hovedsøknadsfrist er 1. september og utlysningen er innenfor to ulike tema: "Forståelse av klimasystemet" og "Virkemidler og politikk for utslippsreduksjon"

Sist uke skrev vi om

Fullfinansiering av prosjekter og meldte da at det trolig kan søkes penger til dekning av lønn til fast ansatte (både vitenskapelige og tekniske) som legger arbeidstid inn i det aktuelle prosjektet.. Dette er nå avklart med Forskningsrådet - det vil bli akseptert. Dette vil altså si at UiB-ansattes innsats ikke kun legges inn som institusjonenes egeninnsats men søkes dekning for i rene penger og at det på den måten vil prosjektene kunne fullfinansieres fra NFR

Fra BIO kan vi melde at det ved en slik innhenting av lønnsmidler over NFR prosjekter vil 10% av midlene tilbakeføres til gruppen, og gruppen slipper samtidig å betale 2% infrastrukturavgiften til BIO.

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Nyheter fra Institutt for biologi

Vi minner om at navn som føres opp (både som egeninnsats og som det søkes lønn til over prosjektet) må være godkjent av BIO administrasjonen og perioden det søkes for må som vanlig oppgis og at det ikke er snakk om å frikjøpe vitenskapelig personell fra undervisningsoppgaver.

Vi skrev også om **Infrastrukturavgift til UiB sentralt per årsverk** og at det i tillegg til BIO sin infrastrukturavgift må det også regnes inn en sentral UiB-avgift for hvert prosjekt. Det er nå klart at denne avgiften vil være på kr **29.000 pr årsverk**.

Se ellers i forrige ukes BIO info (nr. 14) for (mye) mer informasjon om søknadsprosedyrer og budsjetter (inkludert lenker til maler).

NFR: INFRASTRUKTUR: Neste søknadsfrist avklart: 1. september 2010

Neste utlysning innenfor Nasjonal satsing på forskningsinfrastruktur vil bli kunngjort i løpet av mai, med søknadsfrist 1. september 2010. Rammen blir på 400 millioner. [Les mer](#)

NFR: INDIA-NORWAY call

The Indian call is now launched on <http://www.stic-dst.org/> under "What's new" with extended deadline 31 May 2010.

Utlysning fra Dyrevernfondet

[Dyrevernfondet](#) er Dyrevernalliansens forskningsfond. Formålet er å støtte forskning av god vitenskapelig kvalitet som bidrar til å fremme dyrs interesser. Fondet kan støtte forskning og utviklingsprosjekter på alle nivåer fra mastergrad til post doktor. Det kan også gis støtte til litteraturstudier og praktisk utprøving. [Lær mer](#). [Dyrevernfondet plakat](#).



Utlysning - Nordic Master Programme

"Nordic Master Programme" (støttet av Nordisk Råd og administrert av SIU) gir støtte til utvikling av nordiske fellesgrader og felles studieprogram (opp til DKK 1 mill) har sendt ut en "call for proposals" med frist 15 september 2010. For mer informasjon: <http://siu.no/no/Programoversikt/Nordic-Master-Programme> eller vedlagt pdf. (Til orientering kan det nevnes at UiB tidligere har vært med på to søknader som har fått tildelt støtte: Religious Roots of Europe på HF og MARECLIM på Mat nat fakultetet.)

Regionale Forskningsfondets første utlysning

Det Regionalt forskningsfond - Vestlandet planlegger første utlysning 21 april 2010 med søknadsfrist 2 juni 2010. [Lær mer](#). Forventet tema for utlysningen i 2010:



A – Bærekraftig matproduksjon – grøn og marin sektor. Forprosjekt innan fleire deltema. Forskningsmidlar til a) Dyrefor, dyresjukdom, plantesjukdom og b) Råvarekvalitet og nye produksjonsprosessar.

B – Energi og maritim sektor. Forprosjekt innan fleire deltema. Forskningsmidlar til a) Energieffektivisering og b) Teknologi for marin miljøovervaking og c) Offshore wind.

C – Offentlege utviklingsprosjekt. Forprosjekt innan fleire deltema. Forskningsmidlar innan a) Offentleg regionalt arbeid med næringsutvikling og omstilling b) Regional verknad av store offentlege reformer og c) Ny kunnskap om lokal/regional integrering av minoritetsgruppe i Vestnorske lokalsamfunn.

I denne forbindelse inviterer Forskningsavdelingen til informasjonsmøte 27.04.2010.

Påmeldingsfrist: i dag fredag 23.04.2010

Sted: VILVITE, (Thormøhlensgate 51) Rom: KONFA Dato: 27.04.2010 Tid: 10:00 - 11:30
Påmelding til : emmanuel.babatunde@fa.uib.no Påmeldingsfrist: fredag 23.04.2010

Foreslå kandidater til Forskningsrådets priser!



Forskningsrådet inviterer forskningsmiljøene til å foreslå kandidater til prisene for fremragende forskning og forskningsformidling.

[Les mer](#)

Mer info om følgende utlysninger og mange flere (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)

30. apr	Daniel Jouvance International Prize for young researchers in Marine Biology
01. mai	Nordic Marine Academy : siste mobilitetstipend
01. mai	FORSKNINGSTERMIN (internfristen BIO) info om from MatNat og mer info
31. mai	EUROFLEETS call for multidisciplinary practical ship-based training courses
02.juni	Regionale forskingsfond
02.juni	Aurora-programmet . Forskerutveksling mellom Norge og Frankrike (IS-AUR)
02.juni	Forskningsrådets hovedsøknadsfrist for HAVKYST , MILJØ2015 , FRIBIO
02. juni	NORKLIMA utenlandsopphold, gjesteforskere og arrangementer
17.aug	Marie Curie individuelle stipend: FP7-PEOPLE-2010-IEF , FP7-People-2010-IIF , FP7-PEOPLE-2010-IOF
01.sep	MATPROGRAMMET : Forskningsprosjekter, KMB
01.sep	NORKLIMA : Virkemidler og politikk for utslippsreduksjoner

PhD: prøveforelesning

Paolo Simonelli og Anne-Laure Groison

Paolo Simonelli PhD-forelesning

Paolo Simonelli vil mandag 26. april holde forelesning over oppgitt emne for PhD graden.

Tittel: The role of predator-prey interactions in structuring the microbial food web

Tid: Mandag 26. april kl. 13:15

Sted: Seminarrom K1, blokk A, Biobyggene, HIB

Bedømmelseskomite: Professor Arild Folkvord, Professor Lise Øvreås, Professor Per J. Jakobsen

Alle interesserte er velkommen

Anne-Laure Groison PhD-forelesning

Anne-Laure Groison vil fredag 30. april holde forelesning over oppgitt emne for PhD graden.

Tittel: Control of sex determination in vertebrates

Tid: Fredag 30. april kl. 13:15

Sted: Seminarrom K3, blokk B, Biobyggene, HIB

Bedømmelseskomite: Professor Karin Pittman, Professor Anders Fernø, Professor Per J. Jakobsen

Alle interesserte er velkommen

Avsluttende mastergradseksamen

Camilla E. Ilmoni

Camilla E. Ilmoni: Bycatch of harbour seals (*Phoca vitulina*) in the Norwegian coastal bottom set and drift gillnet fisheries

Camilla E. Ilmoni holder mandag 26. april avsluttende presentasjon av sin masteroppgave i Fiskeribiologi og forvaltning.

Tittel på oppgaven: Bycatch of Harbour seals (*Phoca vitulina*) in the Norwegian coastal bottom set and drift gillnet fisheries

Veiledere: Arne Bjørge, Anne Lucas og Arne Johanessen. Sensor: Nils Øien. Bisitter: Øyvind Fiksen

Tid og sted: Mandag 26. april, kl. 11:15, Florida (215G1), Mellombygget, HIB

Alle interesserte velkommen!

Møter, seminar og arrangement

Virus (gjesteforelesning på BIO), multi-trofisk akvakultur, arktisk parasittologi, akvatisk økologi & biologi, PhD utfordringer, MCB young scientist retreat, vitenskap- og miljøpolitikk, europeisk marin biologi symposium, marin bioteknologi, HAB-kurs, Nordisk havforskermøte, Immunologiens dag, verktøy for biodiversitetsanalyser

Gjesteforelesning på BIO: "Marine cyanoviruses from short-timescale dynamics to long term evolution".

Martha Clokie, fra University of Leicester første uken i mai. Hun vil gjerne gi et foredrag for alle ved Bio med tittelen: "Marine cyanoviruses from short-timescale dynamics to long term evolution". Sted: Large Auditorium på HiB Tid: Mandag 3 Mai kl 10:15

International conference on Modeling of Integrated Multi-Trophic Aquaculture (IMTA)

The International Research Consortium for promoting and developing Integrated Multi-Trophic Aquaculture, (IRC- IMTA) and BIOFORSK invite to an international conference in Bodø 30th - 31th of August 2010.

The world's fisheries are in decline and increasing aquaculture production is regarded as essential to meet the world's requirements for seafood products. In most cases it is unlikely that increasing production of single species within given areas will be possible, due to pressure from other stakeholders and concerns about the ability of the environment to tolerate intensive aquaculture. By cultivating complementary species like fish, shellfish and seaweed, it should be possible to increase production and reduce the environmental footprint of aquaculture.

Modeling of IMTA is an important tool for developing economically and ecologically sustainable aquaculture. Model simulation of energy and material flow in aquaculture areas, including impact assessments, will help in organizing marine aquaculture activities. In Bodø we will gather Norwegian experts of IMTA modeling to discuss the status and future for IMTA with some of the world's leading scientists in the field.

Registration: before May 15th to Marte.Meland@bioforsk.no Submission of abstracts (max 250 words) within the topic "Modeling of IMTA" before June 15th to Marte.Meland@bioforsk.no Questions can be sent to Celine.Rebours@bioforsk.no (+47-93433108)

Fourth International Workshop on Arctic Parasitology

The Fourth International Workshop on Arctic Parasitology is to be held in Svalbard, Norway 1st-4th June 2010. Registration is now open. For further information, go to our [website](#). You have until the 3rd May 2010 to register and submit your abstract!! [learn more.](#)

Student conference in Klaipeda October 2010 in aquatic ecology and biology

This [international student conference](#) is arranged every second year in Klaipeda. It gathers together aquatic ecology and biology students from all the Nordic-Baltic region (and beyond) and gives the students a chance to make their first international presentations in a very friendly student atmosphere. There is no conference fee, and lodging/meals are provided (however no transportation grants). [More information.](#)

Training Course for PhD students, “Coping with the challenges of a PhD study”.

The three-day training will help you to successfully plan and conduct a PhD study.

What you learn?

- factors that lead to a successful completion of a PhD project
- tools and techniques to organise your time and your project efficiently
- how to organise effective supervision
- how to organise the writing process for your thesis/papers
- how to handle psychological factors such as stress, fear and pressure
- how to prepare for life and career after your PhD

What to expect?

A lot of input and hands-on approaches, exercises applied to your own project, discussions, and fun together with other international PhD students and plenty of time for your questions!

More information?

For a training description, please have a look at <http://www.tress-tress.com/products/phd-studies.html>.

What previous participants say about this training?

Read what other PhD students have said about this training: <http://www.tress-tress.com/clients/feedback/phd-studies.html>

Time and place: 31 May-2 June 2010, Munich, Germany, 25-27 October 2010, Munich, Germany

Credits: 2 ECTS (including preparation, training hours and an exercise after the training)

Fee: EUR 995 (includes VAT, detailed handbook, lunches and refreshments during breaks).

Special rate?

If three or more PhD students from the same institute or the same graduate school would like to participate in the same training, we offer a 30% discount on the regular training fee.

How to register?

Please go to <http://www.tress-tress.com/booking/online-booking-form.html>

We look forward welcoming you and spending the time together with you in an informal and relaxed atmosphere!

Please contact us for any question you may have.

Contact: TRESS & TRESS GbR, Egenhofenstr. 27a, D-82152-Munich-Planegg, Germany, info@tress-tress.com, www.tress-tress.com

P.S. Interested in training courses on how to publish in peer-reviewed journals or how to manage interdisciplinary research? Please find more details at <http://www.tress-tress.com/products.html>.

MCB - Young Scientist Retreat Bergen 2010

Friday May 7th 2010; 1 pm - 6 pm @ Vilvite + Dinner at Agra Restaurant

We invite you to MCB's Young Scientist Retreat 2010 (YSR'10). It is a great opportunity to meet your fellow PhD students and postdocs and learn about their research. We encourage you to submit an abstract of your work (*or any published work that you find interesting*). From the submitted abstracts, talks will be drawn (presentations of 10 to 15 min).

Program:

13:00-13:15 Welcome

13:15-14:30 Talks

14:30-15:00 Coffee Break

15:00-16:30 Talks

16:30-17:00 Coffee Break

17:00-17:45 Keynote

19:00 Dinner

**Registration and Abstract Deadline:
April 26th, 2010**

BIO-info

Nyheter fra Institutt for biologi

Submit an abstract (300 words); don't miss the chance to discuss your project with your colleagues. Send your registration and abstract to:
Puja.gupta@mbi.uib.no

Konferansen Science and Environmental Politics ved FOF

Forskningsgruppen for sosialfilosofi og politisk teori ved Institutt for filosofi og førstesemesterstudier holder en konferanse 4-5 mai. Tittelen på konferansen er Science and Environmental Politics. Les mer om [programmet](#).

ESCA 47

Integrative Tools and Methods in Assessing Ecological Quality in Estuarine and Coastal Systems Worldwide: ESCA 47 - Figueira da Foz, Portugal 2010 [Abstract Deadline Submission](#) – 31.05.2010



Immunologiens dag – påminnelse!

Torsdag 29. April 2010 er Immunologiens dag. Dette er et verdensomspennende prosjekt som tar sikte på å bringe forskningsnyheter fra immunologi ut til interesserte publikum. For å markere dagen arrangerer Norsk Selskap for Immunologi i Bergen et seminar om vaksine. Sørsmålene som stilles er: Hva er egentlig vaksine? Og hvorfor hjelper den? Hvem bestemmer hva man skal vaksinere seg mot? Er vaksiner trygt? Møtet er åpent og tilpasset alle interesserte. Tid kl. 10:00 - 15:00 Sted: Universitetet i Bergen, BB-bygget, Jonas Lies vei 91; Ved Haukeland sykehus. [Les mer](#).

45th European Marine Biology Symposium

Temaene på årets EMBS inkluderer Ocean Acidification and Climate Change, Marine Conservation, Impacts of Disease on Marine Ecology, Impacts of Marine Renewables, Marine Biotechnology, Special session on Conservation of Seamounts, Invasive Marine Species, General Marine Biology and Biodiversity. Konferansen holdes i Edinburgh, Scotland fra 23-27 August [Les mer](#)

Marin bioteknologikonferanse i Italia

The European Science Foundation Marine Board is currently organising a Marine Biotechnology conference in Italy (June). We have a call open for applications and want to disseminate as widely as possible trying to reach as many potential interested scientists, in particular young and early stage researchers (grants available). [Les mer](#)

IOC Training course - HABs

There are a few vacant seats at the 2010 IOC Training Course and Identification Qualification in Harmful Marine Microalgae to be held in Copenhagen, Denmark during 16-26 August. [Read more](#)

Nordisk Havforsker møte/Nordic Marine Sciences Conference

The Nordic Marine Sciences Conference will be arranged in Strömstad, Sweden, 13-16 September 2010. The conference is expected to gather marine scientists, managers, stakeholders and the industry from all Nordic countries in a multidisciplinary event. Deadline for registration is 1 June 2010.

Main themes of conference: Global change in the seas; Management of seas and coastal areas; Mapping, measuring and modeling the sea. For more information and registration see the [web page](#).

Conference: Tools for identifying biodiversity

Place: National Muséum of Natural History (MNHN), Paris, France
Time: September 20-22, 2010.

The correct identification of organisms is fundamental not only for the assessment and the

conservation of biodiversity, but also in agriculture, forestry, the food and pharmaceutical industries, forensic biology, and in the broad field of formal and informal education at all levels. In the last decades, important advances have taken place in the way identification is carried out, from molecular and biochemical methods of rapid identification to the development of interactive identification systems based on morpho-anatomical data.

This congress provides an overview of recent advances in this field. It stimulates integration of existing methods and systems, fosters communication amongst different research groups, and lays the foundations for integrated projects in the next decade. More information on the conference, registration and paper submission see [here](#).

Summer school programmes

Date	Location	Course title	application deadline
May 3-7	Centre for Ecological & Evolutionary Synthesis Institute of Biology, University of Oslo	NEW COURSE IN OBSERVATION/MEASUREMENT ERROR IN ANALYSING BIOLOGICAL DATA	Still places available Contact jaynel@bio.uio.no
June 20 - July 10	Bermuda Institute of Ocean Sciences	Microbial Oceanography: The Biogeochemistry, Ecology and Genomics of Oceanic Microbial Ecosystems	education@bios.edu
28 June – 9 July	Rimini , Polo Didattico-Scientifico, University of Bologna	Interfacing Sciences and Humanities - Nutrition Between Nature and Nurture: An Interdisciplinary Approach Info1 - info 2 - application	28 May
17 July - 1 August	Island of Madeira	3rd EDIT Summer School of Taxonomy	31 May

Nye artikler

Audrey Geffen, Julie Skadal, Thorolf Magnesen, Svein Rune Erga, Gyda Christophersen, Cecile Jolly, Ann-Elise O Jordal, Arild Folkvord, Albert Imsland, Sigurd Stefansson, Anne-Laure Groison, Ian Mayer, Audrey Geffen, Anne Christine Utne-Palm, Endre Grimsbø, Ragnar Nortvedt, Bjørn Roth, Lars Helge Stien og Henrik Glenner

Audrey Geffen & Julie Skadal: Ørestein fra tunge for studier av konnektivitet i Nordsjøen

Cuveliers, E. L., Geffen, A. J.), Guelinckx, J., Raeymaekers, Skadal, J., Volckaert, F. A. M., Maes, G. E: Microchemical variation in juvenile *Solea solea* otoliths as a powerful tool for studying connectivity in the North Sea. *Marine Ecology Progress Series* 401: 211-220 (2010).

Abstract: Estimating connectivity between juvenile and adult fish habitats can provide an important contribution to effective fisheries management, through a better understanding of population resilience to harvesting pressure. Indirect methods for quantifying connectivity, such as geochemical or genetic techniques, allow us to assign adults from various sampling regions to their natal location, provided that natal origin data can be defined. The elemental composition of otoliths from juvenile sole *Solea solea* collected at 4 sampling locations in the Southern Bight of the North Sea was measured using laser-ablation inductively-coupled plasma mass spectrometry (LA-ICPMS), to determine elemental fingerprints indicative of distinct nursery grounds. Significant differences in elemental composition were detected among the 4 locations, with Na, Sr, Ba, Mn and Rl) concentrations varying the most between groups. A discriminant model resulted in high assignment proportions of the juvenile fish to their respective nursery grounds with a total jackknife reclassification success of 88%. Even though some interannual variability in otolith chemistry was observed in juveniles from the Scheldt estuary, spatial patterns seemed to dominate. Our results constitute a firm basis for future investigations on

nursery area contributions and quality, adult dispersal history and applications of population traceability.

Thorolf Magnesen, Svein Rune Erga & Gyda Christophersen: Kamskjellyngelvekst og høstbetingelser

Thorolf Magnesen, Svein Rune Erga & Gyda Christophersen: Growth of scallop spat in a raceway nursery during autumn conditions in western Norwegian coastal waters. *Journal of Shellfish Research* 29: 45-54 (2010).

Abstract: Bivalve nurseries are important links between intensive hatchery productions of postlarvae and spat available for on-growing. Land-based raceway nurseries dependent on seawater natural production may be economically feasible for growing *Pecten maximus* spat during the summer season, but little is known regarding natural food conditions and scallop spat growth during autumn conditions. Scallop growth was monitored together with several water parameters from summer toward the end of the growth season in November. Three raceways were used for the experiment and were loaded with an increasing biomass of large scallops (26, 52, and 78 kg) to reveal the effect of different food concentrations being offered to the spat. Experimental scallop spat (12.94 ± 0.142 mm) were kept in stacked trays and placed after (downstream from) the biomass loads. Temperature, salinity, chlorophyll a, phaeopigments, particulate organic material, particulate inorganic material, algal species composition, and particle size distribution were monitored throughout the experimental period, but did not change systematically with the biomass loads. The temperature was 15 degrees C at the start and 9 degrees C by the end of the experimental period. Chlorophyll a values were low (<1.0 µg/L) except for the diatom bloom on September 13, when it reached 3.21 µg/L. Particulate organic material varied between 1.6-2.3 mg/L. Shell height and live weight biomass differed significantly between the control group and the 3 experimental groups, whereas there was no significant difference among the experimental groups. Growth slowed after mid September and stopped in the experimental groups in October, whereas the control group continued growing until November. Growth was affected by increased biomass load in the raceways after the diatom bloom. We conclude that a raceway nursery could hold large biomass of scallop spat during early autumn conditions, but 4 wk after the autumn bloom the production was limited by the poorer quantity and quality of the particulate matter.

Cecile Jolly & Ann-Elise O Jordal: Effekt av diett og stress på arakidonsyrestrøm i tarmen til laks.

Oxley, Anthony, Jolly, Cecile, Eide, Torunn, Jordal, Ann-Elise O., Svoldal, Asbjorn, Olsen, Rolf-Erik. The combined impact of plant-derived dietary ingredients and acute stress on the intestinal arachidonic acid cascade in Atlantic salmon (*Salmo salar*). *British Journal of Nutrition* 103: 851-861 (2010).

Abstract: A study was conducted to assess the effect of substituting high levels of dietary fish oil (FO) and fishmeal (FM) for vegetable oil (VO) and plant protein (PP) on the intestinal arachidonic acid (AA) cascade in the carnivorous fish species Atlantic salmon. Four diets were fed to salmon over a period of 12 months, including a control FMFO diet, with varying replacements of plant-derived ingredients: 80% PP and 35% VO; 40% PP and 70% VO; 80% PP and 70% VO. Subsequently, fish were examined pre- (0 h) and post- (1 h) acute stress for blood parameters and intestinal bioactive lipidic mediators of inflammation (prostaglandins). Plasma cortisol responses were greatest in the FMFO group, while 80% PP and 70% VO fish exhibited increased plasma chloride concentrations. The n-3:n-6 PUFA ratio in intestinal glycerophospholipids from 70% VO groups significantly decreased in both proximal and distal regions due to elevated levels of 18 : 2n-6 and the elongation/desaturation products 20 : 2n-6 and 20 : 3n-6. Increases in n-6 PUFA were not concomitant with increased AA, although the AA:EPA ratio did vary significantly. The 40% PP and 70% VO diet produced the highest intestinal AA:EPA ratio proximally, which coincided with a trend in elevated levels of PGF(2 alpha), PGE(2) and 6-keto-PGF(1 alpha) in response to stress. PGE(2) predominated over PGF(2 alpha) and 6-keto-PGF(1 alpha) (stable metabolite of PGI(2)) with comparable concentrations in both intestinal regions. Cyclo-oxygenase-2 (COX-2) mRNA expression was an order of magnitude higher in distal intestine, compared with proximal, and was significantly up-regulated following stress. Furthermore, the 80% PP and 70% VO diet significantly amplified proximal COX-2 induction post-stress. Results demonstrate that high replacements with plant-derived dietary ingredients can enhance COX-2

induction and synthesis of pro-inflammatory eicosanoids in the intestine of salmon in response to acute physiological stress.

Arild Folkvord, Albert Imsland and Sigurd Stefansson: effects of diet on juvenile cod developmental history

Koedijk, Roland M. Le Francois, Nathalie R. Blier, Pierre U. Foss, Atle. **Folkvord, Arild**. Ditlecadet, Delphine. Lamarre, Simon G. **Stefansson, Sigurd O. Imsland, Albert K.** Ontogenetic effects of diet during early development on growth performance, myosin mRNA expression and metabolic enzyme activity in Atlantic cod juveniles reared at different salinities. *COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY A-MOLECULAR & INTEGRATIVE PHYSIOLOGY* 156: 102-109 (2010)

Abstract: This study investigates the effect of diet during early development on growth and metabolic capacity in the juvenile stage of Atlantic cod. Growth in three groups of Atlantic cod juveniles (10-70g) was measured at two salinities (15 parts per thousand or 32 parts per thousand) in combination with two temperatures (10 degrees C or 14 degrees C). Groups of cod from a single egg batch differed by having been fed with rotifers (R) or natural zooplankton (Z) during the first 36 days post hatch. A third group was fed zooplankton from 1 to 22 dph, after which diet changed to rotifers from 22 to 36 dph (ZRZ). All fish were weaned at 36 dph. Juveniles from the Z and ZRZ groups performed equally well under all experimental conditions, but fish that had received rotifers as a larval diet showed overall significantly lower growth rates. Growth was significantly enhanced by reduced salinity. Metabolic enzyme activity and relative myosin mRNA expression levels were not affected by larval diet. Muscle AAT and MDH were affected by salinity while these enzymes in liver tissue were affected by the interaction between salinity and temperature. Metabolic enzymes were stronger correlated with fish size than growth rates. Our results indicate that larval diet has a pronounced effect on juvenile growth rates under varying environmental conditions as optimal larval diet (zooplankton) increased juvenile growth rates significantly. Metabolic enzyme activity and relative myosin mRNA expression were not affected by larval history, which suggests that the persisting juvenile growth difference is not a result of differing metabolic capacity.

Anne-Laure Groison, Ian Mayer, Audrey Geffen, Anne Christine Utne-Palm: Spermbevegelighet hos lysing

Groison, Anne-Laure, Suquet, Marc, Cosson, Jacky, Mayer, Ian, Severe, Armelle, Bouquet, Jean-Marie, Geffen, Audrey J., Utne-Palm, Anne Christine, Kjesbu, Olav Sigurd: Sperm motility in European hake, *Merluccius merluccius*, and characterization of its spermatozoa concentration and volume, spermatocrit, osmolality and pH. *AQUACULTURE* 301: 31-36 (2010)

Abstract: Due to stock declines there is a growing interest in farming of European hake *Merluccius merluccius*. Thus, knowledge of its sperm biology is of importance not only for purposes of broodstock management, but also for the development of sperm preservation techniques. Hake sperm were collected from mature males caught during the summer-early autumn waters off western Norway and during the winter-early spring in the Bay of Biscay (France). Sperm quality characteristics were assessed after storage at 4 degrees C for 25 +/- 14 h. Average (+/- SD) values for Norwegian and French samples respectively were (i) sperm volume: 3.9 +/- 4.0 and 2.6 +/- 4.0 ml; (ii) spermatozoa concentration: 6.6 +/- 3.2 and 13.9 +/- 5.1 x 10⁹ spermatozoa/ml; (iii) spermatocrit: 80.2 +/- 3.3 and 81.8 +/- 10.7%; and (iv) total number of spermatozoa: 23.5 +/- 30.0 and 35.1 +/- 36.2 x 10⁹. Average osmolality and pH (+/- SD) of French samples were 349 +/- 28 mOsmol/kg and 7.6 +/- 0.1, respectively. Activation by transfer into full sea water (100 SW) or 10% ovarian fluid in sea water (10 OF) occurred synchronously for virtually all spermatozoa and the percent sperm motile decreased with post activation time. When transferred into 50% sea water diluted with distilled water (50 SW) only a few spermatozoa were activated initially but subsequently reached a maximum percentage of motility followed by a decline. Hake sperm motility declined rapidly to 50% of motility 70 s after activation with 100 SW. Sperm were motile for longer when activated with 50 SW (1570 +/- 295 s) or 10 OF (718 +/- 71 s) compared to 100 SW (317 +/- 121 s). Undiluted hake sperm stored at 4 degrees C up to 10 days retained 10% motility when activated with 100 SW. When cryopreserved, the motility recovery index of the cells at thawing ranged from 0 to 76.4%. These results describe for the first time the sperm traits of European hake following successful cryopreservation, and also show the importance of activation medium on sperm motility.

Endre Grimsbo, Ragnar Nortvedt, Bjørn Roth, og Lars Helge Stien: effects of electrical stimulation on fish flesh quality

Roth, Bjorn. Nortvedt, Ragnar. Slinde, Erik. Foss, Atle. Grimsbo, Endre. Stien, Lars Helge:

Electrical stimulation of Atlantic salmon muscle and the effect on flesh quality.

AQUACULTURE 301:85-90 (2010)

Abstract: The duration of an electrical stimulation and subsequent effect on quality was investigated to determine favourable durations for stunning Atlantic salmon (*Salmo solar*). A total of 78 fish were killed at the cage by a percussive blow to the head where one fillet was used as a control, while the other was stimulated with electricity for 6, 12 or 180 s. Fillets from 16 fish, were placed in a cold room under p-cameras and pictures were taken every 5 min to measure fillet shrinkage during rigor. The fillets from the 62 other fish were after pH, weight and colour measurements wrapped in aluminum foil and stored on ice. At days 8 and 16 of storage the fillets were taken out for pH, drip loss, water holding capacity (WHC) and texture profile (TPA) measurements. Results show that a prolonged electrical current causes initially the fillet pH to drop, paler fillet colour and increased and accelerated fillet shrinkage compared to control fillets. Fillets exposed for 12 or 180 s of electricity had higher drip loss and lower WHC than their respective control fillets, but not until after 16 days of storage, while colour and TPA remained more or less unaffected by treatment for the entire storage period. We conclude that a 6 s current duration is a favorable duration for stunning fish as pre rigor times and other quality attributes are slightly changed.

Henrik Glenner: sexual system in akentrogonid rhizocephalan parasites

Glenner, Henrik, Hoeg, Jens T., Stenderup, Jesper, Rybakov, Alexey V.: The monophyletic origin of a remarkable sexual system in akentrogonid rhizocephalan parasites: A molecular and larval structural study *Experimental Parasitology* 125 (Special Issue: Sp. Iss. SI): 3-12 (2010)

Abstract: We use sequences from the nuclear ribosomal genes, 18S and 28S to analyze the phylogeny of the Rhizocephala Akentrogonida including two species, *Clistosaccus paguri* and *Chthamalophilus delagei*, that are critical for understanding rhizocephalan evolution but have not previously been part of a molecularly based study. In addition we use light and scanning electron microscopy to compare the cypris larvae of *C. paguri*, *Sylon hippolytes* and two species of the family Thompsoniidae, since this larval stage offers a suite of characters for analyzing the evolution of these otherwise highly reduced parasites. The Rhizocephala Akentrogonida form a monophyletic group nested within a paraphyletic "Kentrogonida". *C. paguri* and *S. hippolytes* are sister groups confirming the monophyly of the Clistosaccidae that was originally based on similarities in the cypris larvae. We find numerous LM and SEM level similarities between the two species, many of which appear to be correlated with their specialized sexual system, where male cyprids use an antennule to implant cells into the virgin female parasite. Some of these traits are also found in cyprids of the thompsoniid species. We conclude that the special cypris morphology and the implantation of males by antennular penetration was present in the stem species to the Thompsoniidae and the Clistosaccidae and emphasize the power of larval characters in rhizocephalan systematics. *C. delagei* is a sister group to *Boschmaella balani* and the two are nested deep within the Akentrogonida. This confirms the monophyly of the Chthamalophilidae and falsifies the theory that *C. delagei* should represent the most primitive extant rhizocephalan. Instead, chthamalophilid rhizocephalans represent some of the most highly advanced members of the parasitic barnacles.