

BIO-info 05/2013, 8. februar 2013 [BIO: sakslistor og møtereferater](#) [BIO-info arkiv](#)
submission deadline to bio.info@bio.uib.no is Wednesday 16:00

Fra toppen!

To gladsaker!

Beslutningen om å legge [Mediebyen Bergen](#) til Lars Hillesgate, og ikke til Marineholmen, er en skikkelig gladnyhet for arbeidet med å samle de marine forskningsmiljøene på Marineholmen. Nå blir det plass til å tenke stort, samlende og visjonært både for Havforskningsinstituttet, andre forvaltningsinstitutt, Fiskeridirektoratet og små og store næringsaktører. Nå er det bare å komme i gang med arbeidet!

En annen gladsak er nyheten i dag om et nytt [Fellesløft](#) mellom universitets-Norge og Forskningsrådet. Denne gangen er satsingen rettet mot unge forskere. Dette er en riktig og god satsing i et bevilgningslandskap der yngre forskere ofte faller gjennom i de ordinære utlysningene pga for korte publikasjonslister og små nettverk. Forhåpentligvis blir dette en realitet ved sommerens utlysning, og forhåpentligvis blir NFR relativt raskt enig med seg selv om hva man mener med «unge forskere».

Hilsen Anders



Ukens bilde



Beauty on high

Fotograf: **Hilary Birks**

Meconopsis horridula, the prickly blue poppy, growing at 5000 m in Tibet. The Mt Everest range is in the background. This photo recently won a prize in the Alpine Garden Society photographic competition.

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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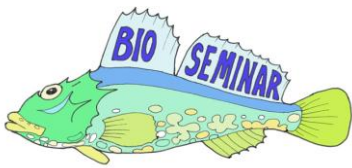
Nyheter fra Institutt for biologi

Faste lenker:

[BIO-info arkiv](#) [Sakslistor & referater](#) [BIOs interne websider](#) [BIO's eksterne websider](#)
[Facebook BIO](#) [Facebook STIM](#) [Facebook UiB](#)

VIKTIG INFORMASJON

BIO-seminar, UiB valg/ UiB elections, BIO-all research day



BIO-seminar Thursday 14 Feb. 14:15-15:15

Thor Klevjer, IMR: Using acoustics to study the ecology of krill.
Cecilie Thorsen Broms, IMR: Is *Calanus finmarchicus* the most important animal in Norway?

NB. Location: LILLE AUDITORIUM, HIB

UiB valg 2013 / UiB elections 2013



Våren 2013 skal det holdes valg av rektor og medlemmer til nytt universitetsstyre ved Universitetet i Bergen. [Les mer.](#)

This spring is election time. There will be elections of a new rector and pro-rector, and of members and substitute members to the University Board, all for the term 2013.08.01 – 2017.07.31. [Read more.](#)

Register for the BIO-All meeting at VilVite March 7 2013!



Join the competition for the best project application! The winners will receive a prize of 10.000 NOK! You can download the rules for the competition [here](#)

The official program will end at 16:00 but then continues with pizzas. You can register for the pizza and mingling event [here](#)

Anne, Amy, Arne, Frede, Lawrence.

[Template for group presentation](#)

[Tentative program](#)

BIO-arrangement kommende uke

Dato	Handlinger, navn	Tid og sted
15.02	Prøveforelesning Trond Einar Isaksen	kl. 14:15, Seminarrom K3
14.2.13	BIO-seminar Thor Klevjer , IMR: Using acoustics to study the ecology of krill. Cecilie Thorsen Broms , IMR: Is Calanus finmarchicus the most important animal in Norway?	14:15-15:15, LILLE AUDITORIUM, HIB

NYHETER OG GENERELL INFORMASJON

40 year jubilee, Forskningsdagene 2013,



CONGRATULATIONS! 40 years at UiB

This week Frida Lise Daae completed 40 years of service at UiB. During this period she has been a part of ground-breaking changes in microbiology and has completed both a bachelor and masters degree. [Learn more.](#)

Systematics Forum Seminar Series

Gunnar Kvifte: Male genital homologies of the Psychodini and their phylogenetic significance (Insecta Diptera: Psychodidae, Psychodinae)

The Natural History Collections, University Museum of Bergen, Norway

Psychodini form the most species-rich and ecologically diverse subgroup of the Psychodinae, with more than 600 described species worldwide. The classification of the group is, however, disputed; with different authors placing the subtribe Trichopsychodina (=The Threticus group) either as basal Psychodini or as derived Paramormiini/Telmatoscopini.

Descriptive taxonomic studies at the University Museum of Bergen has compared and homologized the genital apparatus of the Trichopsychodina and Psychodini s.str., finding a common, symmetrical ground-plan condition suggestive of a Psychodini concept including the Trichopsychodina. It is shown with examples from ecologically and systematically significant groups how the asymmetrical genitalia of many Psychodini can be derived from this condition through differentiation of parameres and/or phallic elements. The phylogenetic significance of other character systems is also briefly discussed.

Where: RFB, Natural History Collections, kursal 1C13e, (first floor)

When: Thursday, 14.02.2013 at 13:15h

Organized by: Phylogenetic Systematics and Evolution Research Group, University Museum of Bergen, UiB



Felles kronikk: Mat fra havet - Norges muligheter

De internasjonale markedene for sunn og trygg mat fra havet er i sterk vekst. Skal vi beholde og videreutvikle vår posisjon i disse, må vi styrke satsingen på kompetanse og kunnskapsutvikling ytterligere. [Les mer.](#)

Forskningsdagene i 2013 er blå

Det åpner for en stor bredde av aktiviteter og temaer når Forskningsdagene 2013 har valgt «hav og vann» som tema.

BIO-info

Nyheter fra Institutt for biologi

Forskningsdagene 2013 går av stabelen i dagene 18. til 29. september.

Med «hav og vann» som tema vil innholdet i festivalen kunne spenne fra spørsmål om hva som finnes i havdypene til hvilken rolle havet spiller i den globale klimautviklingen, fra bygging av raske båter til produktutvikling av sjømat og kvaliteten på drikkevann. [Les mer.](#)

Plenary of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES)

The historic first session of the Plenary of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES-1 <<http://www.ipbes.net/plenary/ipbes-1.html>>) took place from 21-26 January 2013, in Bonn, Germany. Over 500 participants attended the meeting, representing IPBES member (89) and non-member (23) governments and various stakeholder groups, including the scientific community. ICSU, the International Council for Science, attended as a representative of the scientific community. [Learn more.](#)

The Flame Challenge: a science-communication contest

The question for this year's contest is an explanation for "What is Time"?

[Read more](#) about the competition and the Centre for Communication Science. Entry deadline 1 March, 2013.

SPV og BTO sin idekonkurranse 2013

We invite researchers and employees to participate in BTO & Sparebanken Vest Idea Competition 2013. We seek ideas with potential to solve real issues in today's society. The winning idea will receive a total sum of 300 000 NOK. By filling out and sending in our simple idea description form, you might be the winner! [Learn more.](#)

Newsletters

[DIVERSITAS](#) [Research Council of Norway](#) [Forskningsrådet](#) [IPBES e-news](#) [CICERO](#)
[GRID-Arendal's Marine Newsletter](#)

Studie

PhD-forelesning Isaksen

Trond Einar Isaksen PhD-forelesning: "Parasittologisk perspektiv på artsdiversitet. Hva er arter, hvordan identifiserer vi dem i praksis og hvorfor er artsavgrensninger vesentlige?"

Fredag 15. februar kl. 14:15, Seminarrom K3, Blokk B Bioblokken, Blokk B

Evalueringskomité: Professor Ivar Hordvik, Forsker Hans Tore Rapp, Professor Endre Willassen

Alle interesserte er velkommen.

Høringssaker

BIO mottar fra tid til annen saker til høring. Vi vil legge ut disse gjennom BIO-INFO. Hvis du ser saker her du ønsker å uttale deg om som vitenskapelig ansatt på BIO, ta kontakt med forskningskoordinator [Anne Fjellbirkeland](#).

[Høring - kvalitetsnorm for villaks; Høring - bioprospekteringsforskriften](#)

Høring - kvalitetsnorm for villaks

Vi viser til brev med vedlegg fra Miljøverndepartementet 15.01.13 med forslag om kvalitetsnorm for villaksbestandene i Norge. Normen vil modernisere gjeldende forvaltningsprinsipper og blir et nyttig verktøy for myndighetene i forvaltningen av saker som har betydning for villaksen.

Saken sendes til orientering og for eventuelle merknader innen 21.02.13. [Mer info](#)

Høring - forskrift om uttak og utnytting av genetisk materiale (bioprospekteringsforskriften)

Vi viser til brev med vedlegg fra Fiskeri- og kystdepartementet med forslag til forskrift om uttak og utnytting av genetisk materiale.

Forskriften er hjemlet både i naturmangfoldloven og havressursloven. Forskriften har tatt høyde for bestemmelsene i konvensjonen om biologisk mangfold, Nagoya protokollen om tilgang til genetiske ressurser og en rimelig og likeverdig fordeling av fordeler som følger av utnyttingen av disse ressurser. Forskriften er også en oppfølging av regjeringens strategi for marin bioprospektering.

Fristen for høringsinnspill er satt til 5. april 2013.

Høringsbrevet og høringsnotat, samt forskriftsforslag finnes [her](#).

NYE UTLYSNINGER

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

POME Canada-Norway exchange; NordForsk (NCoEs) "eScience in Health and Social Preconditions for Health";

POME--Prediction and Observation of the Marine Environment

North America Partnership Programme

CANADA--NORWAY EXCHANGE

Application is open twice a year for students of both **Universitetet i Bergen**, Norway and **Dalhousie University**, Canada.

Application is now open ([call for applications](#)). See also "[Application process](#)" for further information. The deadline for the next call of proposals is: 15 March, 2013.

The Nordic eScience Globalisation Initiative (NeGI): "eScience in Health and Social Preconditions for Health"

The NeGI Steering Committee has decided to allocate approximately NOK 40 million to the establishment of 1 - 2 Nordic Centres of Excellence (NCoEs) for eScience research on the use of genetic/molecular data and clinical/population registries for research in health and social preconditions for health. This involves development of methods and tools for advanced data integration, data analysis, modelling and simulation for research related to health and social preconditions for health, with a special focus on exploiting national registry, biobank and genetic data in the Nordic countries.

Søknadsfrist: 17.04.2013 14:00 CET [Mer info](#) og på [Forskningsrådets hjemmeside](#)

KOMMENDE MØTER OG SEMINAR

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

IMR guest lecture, BSRS, SPV & BTO idekonkurransen 2013, Marine innovation day

IMR Guest lecture

Date: 20.02.2013;

Time 14:00 - 15:00;

Location: Institute of Marine Research, Bergen NG50 Møterom 3etg (stort)



Dr Joan Cerdà, (IRTA, Institute of Marine Sciences (CSIC), Barcelona, Spain) is widely recognised as the world-leading scientist in piscine aquaporin research.

Molecular basis of egg formation in marine teleosts: the role and regulation of an oocyte aquaporin

The hydration of the oocyte of marine teleosts that produce pelagic (buoyant) eggs is critical for the development of viable gametes as it assures a water reservoir when eggs are released into the hyperosmotic seawater, and facilitates egg buoyancy and dispersal. Therefore, egg hydration and buoyancy are the first markers of egg quality in the aquaculture of marine fish. Recently, a teleost-specific aquaporin has been identified as the major pathway for the entry of water into the oocyte. In this presentation, I will summarize these findings and show that the aquaporin-mediated mechanism is unexpectedly highly regulated at the transcriptional and post-translational levels in the fish oocyte. I will also discuss preliminary data suggesting that the oocyte aquaporin may be employed for genetic improvement of egg quality in cultured marine fish.

Bergen Summer Research School (BSRS)



Bergen Summer Research School (BSRS) has completed its first four-year project, 2008-2011. We want to thank all the participants, both students and teachers, for their important contributions, making the BSRS a great success. In 2012 a PhD conference was arranged on Global Development Challenges on BSRS-related themes with the title "Transnational Migration and Global Development".

BSRS is now entering a new phase as part of a priority of the University of Bergen's new Strategic Plan for 2011-2015, which prioritizes high quality research education with emphasis on developing and strengthening thematic areas, across disciplines, to meet global challenges.

In 2013 BSRS will resume its ordinary activities and this year's conference is dedicated to the theme "**Food as a Global Development Challenge**". The event will take place in the period 17th - 29th June, 2013. We offer 5 parallel doctoral / research courses, which will be bound together by joint lectures by high-profile keynote speakers, plenary discussions, and activities that promote societal involvement. Registration deadline: 1 March 2013. In addition to the doctoral courses, a set of plenary sessions and public meetings will reach out to the wider community in the overall perspective of global challenges. [More information](#).

BIO professors **Pittman**, **Geffen** and **Kolding** are involved in a course on the [Aquatic Food System](#). Professors **Telford** and **Fiksen** are involved in a course entitled [Biodiversity and Food Production](#)

ELIXIR.NO opening

An opening for the ELIXIR.NO project has been organized for February 12 in Bergen. ELIXIR.NO is an infrastructure project coordinated by the University of Bergen supported by the Research Council of Norway through its infrastructure program and five Norwegian Universities.

An important aim of the project is to build a Norwegian Node in the pan-European infrastructure ELIXIR for bioinformatics. The project builds on the FUGE Bioinformatics platform for bioinformatics (established 2002) and will extend its operation of a national help desk providing bioinformatics infrastructure, services and training to users in academic, government and industry. [Read more](#).

OPEN SCIENCE MEETING: GEOHAB Synthesis



UNESCO, Paris, France
24-26 April 2012

The Global Ecology and Oceanography of Harmful Algal Blooms (GEOHAB) meeting has relevance for the entire international scientific community of researchers and managers engaged in the advance in harmful algal bloom research and mitigation of impacts. [Learn more](#).

CSA MARINEBIOTECH Final Conference

11-12 March 2013, Brussels

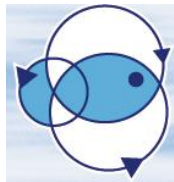


The Final Conference of the CSA MARINEBIOTECH project will bring together scientists, industry representatives, policy makers/advisors and other key stakeholders involved or interested in Marine Biotechnology research in Europe, to

- provide insight in some of the most important recent and ongoing Marine Biotechnology research projects and initiatives, including the CSA MARINEBIOTECH project, and look forward towards a future MARINEBIOTECH ERA-NET;
- discuss the status and recent progress of European Marine Biotechnology research efforts and capacity at various scales;
- identify critical needs, gaps and challenges to inform future Marine Biotechnology policy and coordination efforts.

[Learn more.](#)

Summer School on Innovative Approaches in Marine Environment Modelling (AIMEN)



Brest (France), 19-23 August, 2013.

The programme aims to strengthen our knowledge and understanding of the functioning of marine ecosystems within the framework of global change. With a strong training constituent, it will encourage students to critically examine approaches, exchange expertise, facilitate interactions among researchers, and identify new types of models suited for the marine environment. Daily sessions will

address the following topics:

- Functional Biodiversity
- From individuals to populations
- Adaptation and evolution
- Trophic interactions, complexity and emergence
- End-to-end modelling

Deadline for registration : 12 April 2013 [More Information](#)



Fornybarkonferansen 2013

Studenter er gratis!

Den internasjonale veksten innen fornybar energi har overgått selv de mest optimistiske prognosene. Professor Michael Celia - Princeton University gir oss innsikt i hvorfor og hvordan fornybar energi vil forandre verden i årene som kommer, og Jan Egeland, Europadirektør i Human Rights Watch, forteller hvorfor dette er så viktig. [Les mer.](#)

Global Aquaculture Solutions

March 5th at Radisson Blue Royal Hotel in Bergen, Norway

The NASF Marine Innovation Day - a pre-conference to [North Atlantic Seafood Forum](#) - successfully gathers the key players to advance the biomarine sectors globally. In 2013 we focus on "Global Aquaculture Solutions" needed to sustainably expand global aquaculture manifold. [Read more.](#)

70% discount for students, Marine Innovation day, Bergen 5th of March

Interested in finding out more about the future of one of Norway's biggest industries? Want to broaden your knowledge of aquaculture and find out how the world's biggest seafood companies as well as the smartest, most innovative solution providers, startups and R&D organizations have managed to find solutions to the challenges the industry faces?

The NASF Marine Innovation Day - a pre-conference to North Atlantic Seafood Forum - successfully gathers the key players to advance the biomarine sectors globally. In 2013 we focus on "Global Aquaculture Solutions" needed to sustainably expand global aquaculture manifold. It brings together the leading thinkers and actors in aquaculture and fisheries development under a single roof.

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Nyheter fra Institutt for biologi

Oh, and there is *70% off* for all students and PhD students on the NASF Marine Innovation Day March 5, just don't forget your semester card and student ID.

Don't miss out on this opportunity!

More information at:

www.marelife.org

and www.nor-seafood.com

LEDIGE STILLINGER

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

NYE ARTIKLER

***A full listing of BIO's ISI publications can be found on BIO's internal web pages. [Click here](#)

Schöttner; Hoffmann; Cardenas, Rapp,

Schöttner S, Hoffmann F, Cardenas P, Rapp HT, Boetius A, Ramette A. 2013. The divergence within host-associated bacterial communities reflects sponge diversification in cold-water coral reefs. *PLoS ONE* 8(2): e55505. doi:10.1371/journal.pone.0055505

Abstract

Cold-water coral reefs are known to locally enhance the diversity of deep-sea fauna as well as of microbes. Sponges are among the most diverse faunal groups in these ecosystems, and many of them host large abundances of microbes in their tissues. In this study, twelve sponge species from three cold-water coral reefs off Norway were investigated for the relationship between sponge phylogenetic classification (species and family level), as well as sponge type (high versus low microbial abundance), and the diversity of sponge-associated bacterial communities, taking also geographic location and water depth into account. Community analysis by Automated Ribosomal Intergenic Spacer Analysis (ARISA) showed that as many as 345 (79%) of the 437 different bacterial operational taxonomic units (OTUs) detected in the dataset were shared between sponges and sediments, while only 70 (16%) appeared purely sponge-associated. Furthermore, changes in bacterial community structure were significantly related to sponge species (63% of explained community variation), sponge family (52%) or sponge type (30%), whereas mesoscale geographic distances and water depth showed comparatively small effects (<5% each). In addition, a highly significant, positive relationship between bacterial community dissimilarity and sponge phylogenetic distance was observed within the ancient family of the Geodiidae. Overall, the high diversity of sponges in cold-water coral reefs, combined with the observed sponge-related variation in bacterial community structure, support the idea that sponges represent heterogeneous, yet structured microbial habitats that contribute significantly to enhancing bacterial diversity in deep-sea ecosystems.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0055505>