

Denne ukas viktigste	2
Revideringsarbeidet forsetter – forskergruppene får i oppdrag å engasjere seg!	2
Viktige tidsfrister	2
Essentials in English	2
“Bird Day” at Bergen Museum.....	2
That vs. which.....	2
Siste nytt fra BIO	2
Aud Larsen blir BIOs forskningskoordinator.....	2
Prøveforelesning for professorat i evo-devo: Eric Thompson	3
STIM leads another successful autumn trip to Rongevær	3
Er hat-sneglen på vei vekk?.....	3
Overcoming writer’s block.....	3
Nordforsk Nordic Network of Palaeoclimatology (NEPAL) Training Course at Espeland.....	3
Siste nytt fra verden rundt oss	4
UiB: nye fjes på toppen	4
Førstehjelpskurset klar for registrering!.....	4
Ledige stillinger for biologer.....	4
Fuglenes dag på Bergen Museum	4
MAR-ECO exhibition, “Deeper than Light” opens at Bergen Museum	4
Forskning: utlysninger, nye satsinger og prosjekter	5
03.09 is a major NFR deadline.....	5
Norge utvider samarbeid med Frankrike	5
SYNTHESYS additional call announcement.....	5
Is this anything for course developers?.....	5
Ukens bilde	5
Ny doktorgrad	5
Prøveforelesning: Jonatan Nilsson	5
Gjesteforelesninger, seminarer og kollokvier	6
Science and Technology in Support of Policymaking	6
Seminar om EUs 7. rammeprogram for forskning og teknologisk utvikling	6
BBB Seminars, The BioMedical and BioSciences Lecture Series (HUCEL371)	6
MBI and Sars Centre Seminars	6
Nye artikler	6
Christiane Todt: nervesystemet til basal mollusk.....	6
Mikko Heino: hvordan påvise fiskeri-indusert evolusjon.....	6
Andreas Nordgreen, Dag Møller & Bjørn Roth: avlaving av sild med støm	7
Erik Vikingstad, Ian Mayer & Sigurd Olav Stefansson: fremskynding av kjønnsmodning hos laks ved hormonhermer	7
Bok-kapitler	7
John Birks: klimaforskning om Holosen	7
Richard Telford: varmeprosjektet i tidlig Holosen	7

Denne ukas viktigste

Revideringsarbeidet forsetter – forskergruppene får i oppdrag å engasjere seg!

Det er på tide å ta opp tråden igjen i forhold til revideringsarbeidet vårt med emner og studieprogrammer. I løpet av neste uke vil hver forskergruppeleder få tilsendt en oversikt med emner sin portefølje, og revideringsgruppen ønsker da tilbakemelding og vurderinger knyttet til dette. Det vil bli utformet noen konkrete spørsmål som vil bli nærmere spesifisert i e-posten som sendes ut til forskergruppelederne. Det er fremdeles mulig å komme med enkeltforslag på e-post: bio.revidering@bio.uib.no.

Selv om vi skal gjennom revideringsarbeidet i løpet av året, kommer det en frist i september for innmelding av studieplanendringer. Det er derfor mulig å melde inn endringer som vil få effekt fra neste høst. Dette kan være endring i eksamens- eller undervisningsform, endret emnebeskrivelse, eller nedlegging av emner. Hvis noen føler at de har emner som kunne lagt på ”vent” neste høst eller neste vår (10) i påvente av revideringen, så kan det gjøres nå i denne omgang. Dette vil være naturlig for emner som ellers kan gå som spesialpensum, emner som sjelden går, eller emner som trenger en ”overhaling” og av den grunn kan ha et opphold i ett år.

Frist for innmelding av studieplanendringer for studieåret 2009/2010 er **fredag 19. september**.
Hilsen Eli

Viktige tidsfrister

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)

Løpende	Stimulering til bilateralt forskningssamarbeid innenfor grunnleggende forskning (BILATGRUNN)	26. sept	COST Open Call: Preliminary Proposals
03. sept	Many NFR deadlines	01. okt	Nordic Marine Academy
15. sept	Fulbright grants for Norwegian scholars	15. okt	NFR deadline (more info) NB kl. 12:00
15. sept	Helse Vests forskningsmidler for 2009	15. okt	Utlysning av midlar til prosjekt innan IKT-støtta utdanning og livslang læring 2009

** for more information check [BIO-web](#) for more deadlines, further details and on-going opportunities as well as [UiB's Department of Research Management](#)

Essentials in English

“Bird Day” at Bergen Museum

Sunday 31 August is “Bird Day” at Bergen Museum. This is the second annual event, and reports were very positive from last year’s event. UiB employees have free entry and Bergen Museum is worth visiting. Check out the Natural History Museum this Sunday 11:00-16:00.

That vs. which

I was recently asked to clarify the “that / which” question again. As with all languages, English grammar rules are blurring, so that in many contexts, especially informal ones, that and which can be used somewhat interchangeably. However, if you wish to be most correct then “that” is used with “restrictive” clauses; that is, clauses that give critical (restrictive information) about the subject, and “which” is unused with “non-restrictive” clauses; clauses that could be deleted without destroying the meaning of the sentence in question. For this reason, “which” clauses are set off by commas. See the links below for more information and examples.

Information with a [Quiz](#), Information with [Exercises](#), Lovely thorough [information](#) by Michael Quinion
Elinor

Siste nytt fra BIO

Aud Larsen blir BIOs forskningskoordinator

I går signerte [Aud](#) på at hun tar imot tilbudet om å bli BIOs forskningskoordinator (seniorkonsulent). Hun tiltrer stillingen 1. november. Fram til da skal hun fortsette som forsker i Marin mikrobiologi-gruppa. I utlysningen av stillingen var jobben beskrevet slik:

Forskningskoordinatoren skal vere godt kjent med eksterne finansieringskjelder som er relevante



for forskninga på BIO, og skal hjelpe forskingsgruppeleiarane i prosessen med å førebu søknader og med generell prosjektakvisisjon. Dette gjeld først og fremst søknader til EU, men og til andre kjelder der forskarane sjølve ikkje er kjende med prosedyrar og rutinar. Å halde forskarane oppdaterte på eksterne finansieringskjelder vil vere ei viktig deloppgåve, likeeins å byggje nettverk med samarbeidspartnarar. Koordinatoren må og kunne vere administrativ koordinator i driftsfasen av større prosjekt. I tillegg skal forskingskoordinatoren assistere instituttleiinga i arbeidet med å utvikle og gjennomføre instituttet sin forskingsplan.

Prøveforelesning for professorat i evo-devo: Eric Thompson

Kommende torsdag kl 1015 skal [Eric Thompson](#) prøveforelese for professoratet i evo-devo som ble utlyst tidlig i vår. Eric er nå gruppeleder på Sars-senteret. Prøveforelesningen skal foregå i rom 520 B1, altså i 5. etasje på HIB. Inngang via trapp i sørenden av 3. etasje. Oppgitt tittel på prøveforelesningen er *Developmental biology: a key to understanding evolution and the organism*.



STIM leads another successful autumn trip to Rongevær

22-24 August STIM, the organization for Masters students in Biology, led a trip to Rongevær in Austrheim commune north of Bergen. [Read more](#).

Jon Magerøy på hodet i sanden

Os og Fusaposten har intervjuet PhD-student **Jon Magerøy** (til høyre) som studerer elveperlemusling i Os-vassdraget. [Les intervjuet her](#).

Er hat-sneglen på vei vekk?

Bjørn Arild Hatteland sier til NRK at forskere finner bare halvparten så mange brunsnegl i år som i fjor. Les mer [fra NRK](#).

Overcoming writer's block

Around 50 students and faculty attended Assistant Professor Karen Lunsford's Academic Writing workshop today. "Keep at it". "Be disciplined and regularly committed". "Ten minutes a day". Lunsford explained the technique of "free-writing" to start the flow of words to paper and to help visualise ideas. In the second part of the workshop Lunsford introduced analysis of pattern in abstracts and introductions – the famous Nature paper of Watson and Crick was an insightful example! Lunsford will be available for individual office hours next week 1-5 September, 13:00-15:00 in the small meeting room in HiB 314H2. Please [send her an E-mail](#) to sign-up.



Nordforsk Nordic Network of Palaeoclimatology (NEPAL) Training Course at Espegrend

Cathy Jenks writes that EECRG (**John Birks**, **Richard Telford**, and **Cathy Jenks**) and the Bjerknnes Centre (**Anne Bjune**) organised a training course on 'quantitative methods in palaeoecology and palaeoclimatology' at Espegrend August 19-23 as part of the NordForsk NEPAL Network co-ordinated by Heikki Seppä (Helsinki) and Anne Bjune. Fourteen doctoral or post-doctoral researchers from five countries attended (Finland 5, Sweden 4, Norway 3, Estonia and Lithuania 1). Everyone enjoyed the excellent facilities at Espegrend and the magnificent coastal scenery and weather and the

participants seemed to enjoy total immersion in numerical methods and the use of R for three whole days!

Siste nytt fra verden rundt oss

UiB: nye fjes på toppen

Les intervju med den nye fakultetsdirektøren og personaldirektøren [På Høyden](#). Lykke til, begge to!

Førstehjelpskurset klar for registrering!

MatNat har nå [fått lenken for registrering](#) til førstehjelpskurset.

Ledige stillinger for biologer

Sjekk oversikten på [jobbnor](#)!



Frist	Stilling
31.08	Univ Bern, Sveits: Postdoc Position in Theoretical Evolutionary Ecology
31.08	Gades institutt: Stipendiat i virologi/immunologi ved Influenzasenteret
31.08	Post-doc , Department of Oceanography and Fisheries of the University of the Azores
01.09	Nofima Bergen: Direktør
01.09	Associate professor in molecular ecology, Institute of Biology, University of Southern Denmark
05.09	Science and Technology Fellowship Programme in China http://www.euchinastf.eu
05.09	Senior Programme Officer for The Ecosystem Management Programme (EMP)
15.09	BIO/EvoFish: stipendiat i evolusjonær biologi
18.09	BIO: administrasjonssjef
10.09	Museumslektor/førstelektor i botanikk, NTNU
12.09	Postdoktor ved institutt for biomedisin (08/6457)
14.09	Ass. Professor of Aquatic Animal Health , Dept of Med. & Epid., Sch. of Vet. Med., UC Davis
15.09	UiO: Førsteamanuensis/professor i marinbiologi
20.09	Sars Centre: 2 Postdoctoral (Forsker) Researcher positions
26.09	4 phd-stipendier i det marine klima og økosystem omkring Færøerne
26.09	IFREMER/HI/(BIO): Postdoc: Modelling blue mussel bioenergetics in aquaculture
30.09	MBI: Postdoktor i bioinformatikk/molekylær modellering
30.09	Post-doc position , IMR
30.09	Sars Centre: Post Doctoral Researcher - Cnidarian neural development
30.09	post-doctoral research fellow / numerical ecologist , SAHFOS, Plymouth
30.09	Professorship in Aquatic Ecology open at Stockholm University
01.10	Københavns universitet: 8 postdoc-stillinger innen Macroecology and Evolution
01.10	PhD , the ANTFLOCKS initiative coordinated by the Muséum Nationale d'Histoire Naturelle (NMHN) in Paris
Okt	BIO: førsteamanuensis i botanisk økologi
Okt	BIO: førsteamanuensis i mikrobiell økologi
31.12	Scientific Researchers - Charles Darwin Foundation – Galapagos Islands

Fuglenes dag på Bergen Museum

Uglen som årets fugl gir den rette rammen når det på søndag inviteres til Fuglenes dag på universitetsmuseet Bergen Museum. Over 700 besøkende var innom fjorårets arrangement og det ventes minst like mange nå. [Les mer](#).

TID: Søndag 31. august kl 11 – 16

STED: Bergen Museum, De naturhistoriske samlinger, Museplass 3

MAR-ECO exhibition, “Deeper than Light” opens at Bergen Museum

The [exhibition](#) has been travelling around Europe (Genoa, Helsinki, Paris, Porto, Essen, Oslo and Aberdeen) and is now opening here in Bergen. [All are invited](#) to the opening 13:00 4 September. Please mark 28 September on your calendars when the exhibition will have an Open Public Day, with presentations by the scientists, [Ørnulf Opdahl](#), and MAR-ECO inspired [Jazz music](#)! All are welcome!



Forskning: utlysninger, nye satsinger og prosjekter

03.09 is a major NFR deadline

[Read more](#) about the funding available.

Norge utvider samarbeid med Frankrike

Norge og Frankrike har undertegnet en avtale som utvider forskningssamarbeidet mellom våre to land. [Les mer](#)



SYNTHESYS additional call announcement

The [SYNTHESYS](#) project has been granted a six month extension and is now opening a ninth Call for proposals. [Read more](#).

Is this anything for course developers?

Norgesuniversitetet har utlyst midler til prosjekt innen IKT-støttet utdanning og livslang læring 2009. [Les mer](#). Det inviteres nå til søkerseminarer for alle som er interesserte i disse midlene i Bergen 24. september, SAS-Radisson Bryggen. Målgrupper for seminarerne er først og fremst potensielle søkere blant universiteter og høyskoler og aktuelle samarbeidspartnere fra arbeids- og samfunnsliv, men også andre interesserte. Full invitasjon, program og påmeldingsskjema [finnes her](#).

Ukens bilde

	<p>Title: Canadian retreat</p> <p>Photographer: Dorothy Dankel</p> <p>Description: Picture from a working retreat at Harkness Research Laboratory in Algonquin Provincial Park held before the American Fisheries Society annual meeting i Ottawa, Canada. Erin Dunlop invited her friends and colleagues to meet for outdoor activities as well as intense working collaboration for 3 days before convening the symposium “Evolving Fish, Evolving Fisheries” at the annual AFS meeting.</p> <p>Left to Right: Heidi Pardoe (Marine Institute of Iceland), Ane Laugen (IFREMER), Mia Eikeset (Univ. of Oslo), Scott Milne (Erin’s husband), Erin Dunlop (EvoFish post-doc and Harkness hostess), Ulf Dieckmann (Evolution and Ecology Program director at IIASA), Mikko Heino (EvoFish) and Dorothy Dankel (UiB PhD stipendiat who also convened a symposium at AFS entitled “Harvest Control Rules: Experiences in Modelling and Application”)</p>
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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](#) (preferable format jpg, gif; size around 300px sq; saved for web - under 60kb).

Ny doktorgrad

Prøveforelesning: Jonatan Nilsson

Jonatan Nilsson holder prøveforelesning over oppgitt emne: Habitat and life-history specific flexibility in the behaviour of fish and other vertebrates: a comparative approach

Bedømmelseskomite: Prof. Ragnar Nortvedt, Førsteam. Anne Christine U.-Palm, Forsker II Justin Meager.

Tid og Sted: Fredag 5. september 10.15, Seminarrom 439C1, Institutt for biologi, HIB

Alle interesserte er velkommen

Gjesteforelesninger, seminarer og kollokvier

Science and Technology in Support of Policymaking

Norges forskningsråd inviterer i samarbeid med Europakommisjonens Joint Research Centre (JRC) til en informasjonsdag. Formålet med arrangementet er å få til økt samarbeid mellom JRC og norske miljøer. [Les mer](#)

Seminar om EUs 7. rammeprogram for forskning og teknologisk utvikling

Norges forskningsråd i samarbeid med Origo og Finnmark fylkeskommune ønsker å invitere til et seminar om EUs 7. rammeprogram (7RP) for forskning og teknologisk utvikling. Seminaret er gratis og lunsj inngår. [Les mer](#)

BBB Seminars, The BioMedical and BioSciences Lecture Series (HUCEL371)

Welcome to the BBB Seminars at the Gade Institute. Please check the [web page](#) for upcoming information. The seminars are held Thursdays in BBB, Auditorium 4. NB! Extra BBB-HIB/Realfagb./NIFES campus bus trip after the seminar, departure at 14.05 from the BBB main entrance.

MBI and Sars Centre Seminars

Check out upcoming speakers and topics on the [schedule](#).

Nye artikler

Har du en artikkel, kapittel eller bok som ikke har stått her?
Du kan sende bibliografi og abstract (helst i Word-format) til Jarl så snart du har sidetall.

Christiane Todt: nervesystemet til basal mollusk

Todt C, Büchinger, T, Wanninger A. 2008. The nervous system of the basal mollusk *Wirenia argentea* (Solenogastres): a study employing immunocytochemical and 3D reconstruction techniques. *Marine Biology Research* 4: 290-303.

Abstract The morphology of the nervous system of *Wirenia argentea* (Solenogastres) is described based on histological and immunocytochemical analyses using fluorescent markers against the neurotransmitters serotonin and FMRFamide, as well as acetylated α -tubulin, in combination with confocal laser-scanning microscopy. The nervous system displays a distinct tetranerous with fused cerebral ganglia, large pedal ganglia, and longitudinal nerve cords connected by regularly spaced connectives and commissures resulting in an orthogon-like arrangement. There is no indication of metamerism. FMRFamide immunoreactivity is present in most compartments of the nervous system, while serotonergic immunoreactivity appears to be restricted to the longitudinal nerve cords, the cerebro-pedal commissure and part of the cerebral ganglion. The buccal system shows immunoreactivity against none of the neurotransmitters.

Mikko Heino: hvordan påvise fiskeri-indusert evolusjon

Heino Mikko and Ulf Dieckmann 2008. Detecting fisheries-induced life-history evolution: an overview of the reaction-norm approach. *BULLETIN OF MARINE SCIENCE* 83: 69–93

Abstract: Life-history theory unequivocally suggests that fishing acts as a powerful driver of life-history evolution in exploited fish populations. Because life-history traits are closely linked to the dynamics and productivity of fish populations, understanding and documenting the extent to which this expectation is borne out in reality is both scientifically and practically important. The primary empirical challenges are twofold: observing phenotypic change does not imply genetic change as life-history traits are phenotypically plastic, and fishing is but one potential driver of contemporary evolution. Here we focus on the first challenge by describing how to work toward disentangling genetic and plastic effects in the absence of genetic data. In particular, we explain how the consideration of maturation reaction norms helps to disentangle genetic and plastic changes in age and size at maturation. We first outline the logic and limitations of the maturation reaction-norm approach. We then review the most important statistical methods available for estimating maturation reaction norms from empirical data. For each of these methods, we discuss its domain of applicability together with its strengths and weaknesses.

Andreas Nordgreen, Dag Møller & Bjørn Roth: avliving av sild med støm

Nordgreen, Andreas Hoel, Slinde, Erik, Møller, Dag, Roth, Bjørn 2008. Effect of various electric field strengths and current durations on stunning and spinal injuries of Atlantic herring. JOURNAL OF AQUATIC ANIMAL HEALTH 20: 110-115

Abstract: The aim of this study was to evaluate the effect of electric field strength and current duration on wild-caught Atlantic herring *Clupea harengus* stunned with sinusoidal 50-Hz AC in seawater. The fish were exposed to electric field strengths ranging from 16 to 142 V/m and current durations from 1 to 12 s. We recorded the elapsed times between the point at which each fish became unconscious and the points at which it resumed normal behavioral functions. We also investigated injuries such as broken spinal columns and hematomas after the fish were filleted. The threshold electric field strength required to stun all of the fish to unconsciousness was 33 V/m for 1 s. The duration of the unconscious condition increased as both electric field strength and current duration increased. Of a total of 260 Atlantic herring, 60% had broken spinal columns. The proportion of fish with fractured spines was independent of field strength and duration, but the number of fractures per fish increased with field strength. We conclude that electrical stunning would promote the welfare of Atlantic herring that are landed alive but negatively affect fillet quality owing to hematomas associated with the fractures.

Erik Vikingstad, Ian Mayer & Sigurd Olav Stefansson: fremskynding av kjønnsmodning hos laks ved hormonhermer

Vikingstad Erik, Eva Andersson, Birgitta Norberg, Ian Mayer, Ulrike Klenke, Yonathan Zohar, Sigurd Olav Stefansson and Geir Lasse Taranger 2008. The combined effects of temperature and GnRHa treatment on the final stages of sexual maturation in Atlantic salmon (*Salmo salar* L.) females. Fish Physiology and Biochemistry 34: 289-298

Abstract Atlantic salmon (*Salmo salar* L.) females (2 SW), maturing for the first time, were reared under one of three temperature regimes (high: $14.3 \pm 0.5^\circ\text{C}$; natural: $10.6 \pm 1.0^\circ\text{C}$; and cold: $6.9 \pm 1.0^\circ\text{C}$) in combination with one of two experimental treatments; an injection of GnRH analogue (GnRHa) contained in biodegradable microspheres, or a sham injection (microspheres only). The six experimental groups were then reared under simulated natural photoperiod for 4 weeks. Blood samples were drawn for analysis of plasma steroid levels and the fish were inspected for ovulation weekly. Batches of stripped eggs were incubated in triplicate incubators in raceways until the eyed stage. Treatment with GnRHa resulted in a substantial advancement and synchronization of ovulation at all temperatures, while exposure to cold water also appeared to advance ovulation slightly. While 75% (warm and cold) to 90% (natural) of GnRHa fish ovulated during the 4-week trial, only 30% of sham-treated females exposed to cold water, and none of the sham-treated fish held at higher temperatures, ovulated during this period. Survival rates of embryos to the eyed-stage were significantly higher for broodstock exposed to cold water. Plasma levels of testosterone (T), 17β -oestradiol (E_2), and $17\alpha,20\beta$ -dihydroxy-4-pregnen-3-one ($17,20\beta\text{P}$) were all significantly affected by treatment with GnRHa and, to a lesser extent, temperature. The efficiency of GnRHa in counteracting the negative effects of high temperature on ovulation and the associated changes in circulating sex steroids suggest that temperature inhibition operates at least in part at the brain or pituitary.

Bok-kapitler

John Birks: klimaforskning om Holosen

Birks, H.J.B. 2008. Holocene climate research - progress, paradigms, and problems. In: Battarbee, R.W. and Binney, H.A. (eds) Natural Climate Variability and Global Warming - A Holocene Perspective. Wiley-Blackwell, Chichester. pp.7-57.

Richard Telford: varmeperioden i tidlig Holosen

Jansen, E., Andersson, C., Moros, M., Nisancioglu, K.H., Nyland, B.F. and Telford, R.J. 2008. The early to mid-Holocene thermal optimum in the North Atlantic. In: Battarbee, R.W. and Binney, H.A. (eds) Natural Climate Variability and Global Warming - A Holocene Perspective. Wiley-Blackwell, Chichester. pp.123-137.