



Kjære Alle,

2020 har vist seg å bli et veldig merkelig og utfordrende år for oss på BIO, og ikke minst for resten av verden. På korte varsler har vi kastet oss rundt og møtt hverandre og undervist og samarbeidet på nye måter. Vi skulle selvsagt vært foruten denne pandemien, men alt i alt synes jeg vi har klart oss veldig bra, takket være den iherdige, dyktige innsatsen fra dere alle, og ikke minst den positive og konstruktive holdningen dere har hatt til utfordringene. Jeg er optimistisk (som alltid) med hensyn på neste semester. Jeg tror (men tar jo ofte feil) smitten holdes på et akseptabelt nivå i løpet av juleferien og vi ser nå at vaksinen kommer raskere enn vi regnet med for noen måneder siden. Dette gir meg håp om at neste semester blir mer hyggelig for oss alle; med ganske mye fysisk undervisning, med mer tilstedeværelse for oss all her på BIO, og ikke minst; med mer faglig-sosial kontakt, som vi nok er litt sulteforet på nå. Jeg regner med at universitetsledelsen kommer med mer konkret informasjon om neste semester og hvordan vi skal forholde oss, før juleferien.

Og så til noen virkelige gladnyheter: midt oppi den verste korona-situasjon satt mange av dere og jobbet dobbelt med søknader til forskningsrådet. Nå vet vi resultatet: På mandag fikk Jon-Vidar Helvik, Ana Gomes, Vigdis Vandvik og Inger Måren store viktige prosjekt gjennom utlysningen på kompetanse og samarbeidsprosjekter. Dette er veldig gledelig, og gratulerer så mye til de fire. Jon Vidar og Ana sine prosjekt føyer seg pent inn i vår sterke aktivitet mot akvakultur. Inger og Vigdis sine prosjekt er knyttet opp mot vårt nye CeSAM senter på bærekraftig arealbruk. BIO var absolutt best i klassen på denne utlysingen. Av fem prosjekt til UiB gikk fire til BIO.

På onsdag kom en ny rekke prosjekter inn; til Christian Jørgensen, Runar Stokke, Jon Vidar Helvik, Vigdis Vandvik og Evgeny Onishchenko. Helt fantastisk! Igjen var vi det instituttet på UiB som fikk flest prosjekter, og faktisk hadde vi en tilslagsprosent på 20% i denne runden, godt over landsgjennomsnittet på ca. 10%.

I tillegg til alt dette har Håkon Dahle fått prosjekt fra NordForsk. Virkelig gledelig.

Jeg er virkelig imponert og glad for disse nye prosjektene. Gratulerer til alle. Og tusen takk for innsatsen. Og så vet jeg godt at det er mange som sitter igjen skuffet over å ikke ha fått tilslag, til tross for en glimrende innsats. Jeg håper vi kan bruke suksessen til de som har fått som en indikasjon på at det er fullt mulig. Videre håper jeg de som har fått tilslag vil gi gode råd og tips om søknadsutforming til dem som spør. Og så er det ganske kort tid til neste søknadsfrist i februar....

Så vil jeg gratulerer Evgeny (enda en gang), denne gangen med publikasjon i CELL (se omtale annetsteds i dette nummeret), et svært prestisjefyllt tidsskrift.

Vigdis Vandvik har ledet bioCEED til stor lokal og nasjonal suksess i en årrekke, til stor glede og nytte for undervisningskvaliteten på BIO. Nå ønsker hun avlastning for å fokusere mer på alle sine forskningsprosjekt (hun fikk jo også to nye nå denne uken). Tusen millioner takk for innsatsen Vigdis; jeg er imponert over hva du har fått til sammen med dine dyktige medarbeidere i bioCEED. Og så er det med stor glede jeg kan informere om at Sehoja Cotner tar over Vigdis sin funksjon som leder av bioCEED. Vi kunne ikke fått en bedre erstatter, virkelig! Sehoja er godt kjent for mange av dere, og hun gleder seg stort til å ta fatt. Og jeg ser virkelig fram til et videre veldig godt samarbeid mellom bioCEED og BIO.

Før vi går inn i juleferien vil jeg ta opp en viktig sak. Vi har mange kolleger på BIO som sitter igjen her i Norge gjennom juleferien, uten mulighet til å dra til sin familie og venner i sitt hjemland. Jeg oppfordrer oss alle til å rekke dem en

hånd og gi dem støtte og oppmerksomhet. Ta kontakt, inviter til en spasertur til Løvestakken, vis at vi bryr oss om hverandre.

Tusen takk til dere alle for en fantastisk innstas gjennom 2020. Nå håper jeg dere kan ta en velfortjent juleferie og at vi kan møtes igjen i januar, med mindre fokus på korona og enda mer fokus på forskning, undervisning og alt det andre flotte BIO gjør.

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Dear everyone,

2020 has proven to be a very strange and challenging year for us at BIO, and not least for the rest of the world. At short notice, we have thrown ourselves around and met each other and taught and collaborated in new ways. We should of course have been without this pandemic, but all in all I think we have done very well, thanks to the persistent, skilled efforts of you all, and not least the positive and constructive attitude you have had to the challenges. I'm optimistic (as always) about next semester. I think (but often make mistakes) the infection is kept at an acceptable level during the Christmas holidays and we now see that the vaccine comes faster than we expected a few months ago. This gives me hope that next semester will be more enjoyable for all of us; with quite a lot of physical education, with more presence for all of us here at BIO, and not least; with more professional-social contact, which we are probably a little hungry for now. I expect that the university management will provide more concrete information about the next semester and how we should behave, before the Christmas holidays.

And then to some real good news: in the midst of the worst corona situation, many of you sat and worked twice on applications to the Research Council. Now we know the result: On Monday, Jon-Vidar Helvik, Ana Gomes, Vigdis Vandvik and Inger Måren received major important projects through the call for expertise and collaborative projects. This is very gratifying, and congratulations to the four. Jon Vidar and Ana's projects fit nicely into our strong activity against aquaculture. Inger and Vigdis' projects are linked to our new CeSAM center for sustainable land use. BIO was absolutely best in class on this call. Out of five projects at UiB, four went to BIO.

On Wednesday, a new series of projects came in; to Christian Jørgensen, Runar Stokke, Jon Vidar Helvik, Vigdis Vandvik and Evgeny Onishchenko. Fantastic! Again, we were the department at UiB that received the most projects, and in fact we had a funding percentage of 20% in this round, well above the national average of about 10%.

In addition to all this, Håkon Dahle have received a project from NordForsk. Really good.

I am really impressed and happy with these new projects. Congratulations to all. And thank you so much for your efforts. And I know very well that there are many who are left disappointed that they have not been awarded, despite an excellent effort. I hope we can use the success of those who have received as an indication that it is entirely possible. Furthermore, I hope that those who have been awarded will give good advice and tips on application design to those who ask. And then there is quite a short time until the next application deadline in February....

Then I want to congratulate Evgeny (once more), this time for a publication in the highly prestigious journal CELL (see further information elsewhere in this issue).

Vigdis Vandvik has led bioCEED to great local and national success for a number of years, to the great joy and benefit of the teaching quality at BIO. Now she wants relief to focus more on all her research projects (she also got two new ones this week). Thank you very much for your efforts Vigdis; I am impressed with what you have achieved together with your skilled employees in bioCEED. And then it is with great success that I can inform that Sehoya Cotner will take over Vigdis' function as head of bioCEED. We could not have gotten a better replacement, really! Sehoya is well

known to many of you, and she is very much looking forward to getting started. And I am really looking forward to a further very good collaboration between bioCEED and BIO.

Before we go into the Christmas holidays, I want to address an important issue. We have many colleagues at BIO who are left here in Norway during the Christmas holidays, without the opportunity to go to their family and friends in their home country. I encourage all of us to reach out to them and give them support and attention. Get in touch, invite to a walk to Løvstakken, show that we care about each other.

Thank you all very much for a fantastic effort through 2020. Now I hope you can take a well-deserved Christmas holiday and that we can meet again in January, with less focus on the corona and even more focus on research, teaching and everything else great BIO does .

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## Dekan Helge Dahles blogg



### Koronaåret 2020

2020 har vore krevande, men vi har mange gode ting å sjå tilbake på, og ikkje minst gode ting å sjå fram til. Dette biletet er frå studiestarten i haust.

[Lese hele blogginnlegget](#)

## Ekspedisjon og varemottak i julen / The reception and deliveries during Christmas

- Ekspedisjonen er bemannet mandag 21.12
- Tirsdag 22.12 vil Bjørg Flatekvål ta imot pakker.
- Onsdag 23.12 vil Knut Olav Daasvatn ta imot pakker.

Ekspedisjonen vil ikke være bemannet disse to dagen.

- Julaften holder vi stengt.
- 28, 29, 30, 31 desember vil ekspedisjonen være bemannet som vanlig.

- The reception is open Monday 21.12
- Tuesday 22.12, Bjørg Flatekvål - parcel reception
- Wednesday 23.12, Knut Olav Daasvatn - parcel reception

The reception is not manned these two days.

- Christmas Eve we are closed.
- 28, 29, 30, 31 December the reception will be manned as usual.

**Ha en god jul / Have a Merry Christmas!**

## Utdanning

### Sehoya Cotner takes over as the Director of bioCEED!



Foto: University of Minnesota

[Sehoya Cotner](#) will be taking up the position as the new director of bioCEED. Sehoya comes from the University of Minnesota, where she is an associate professor in the Department of Biology Teaching and Learning. As an associate professor II with bioCEED since 2016, she knows both bioCEED and Bergen well. She will be with bioCEED part-time until August 1<sup>st</sup> (fulltime thereafter), and is excited to continue many current Centre projects, and pursue new plans for growth in biology-education research, graduate-student professional development, and inclusive STEM-teaching practices.

In the US, Sehoya leads a national network, Equity and Diversity in Undergraduate STEM (EDU-STEM), of biology faculty studying their own courses from the lens of equity and inclusion. She is eager to continue, with bioCEED, similar national initiatives in Norway, and to create novel international collaborations around discipline-based education research.

your turn!

Best regards,  
Vigdis Vandvik

## Ledige stillinger som realfagsleksehjelp for VGS-elever

Ent3r har utlyste stillinger som realfagsleksehjelp for VGS-elever. Dette er en givende og lærerik jobb som passer perfekt ved siden av studier. Søk da vel!

**Søknadsfristen er 25. desember.**

Mer info: <https://ent3r.no/bergen/uib/ledige-mentorstillinger>

## When you as a PhD candidate need someone to talk to



Foto: Colourbox

The years as a PhD candidate are exciting and professionally developing, but can also be a strenuous time with a lot of work pressure and setbacks. The uncertainty and delayed activity during the corona pandemic can lead to more challenges than you normally experience. In such a situation, many candidates will need someone to talk to.

If you experience extraordinary challenges in your work situation, it will initially be natural to have a conversation with your supervisor or head of department / unit. The management of your unit should also facilitate peer support. Should you need further assistance, it is natural to contact the occupational health service at your workplace.

If you are employed at UiB, you will find information about the occupational health service (**bedriftshelsetjeneste**) on this page: [Do you need someone to talk to? | Employee Pages | University of Bergen \(uib.no\)](#)

At UiB, you will first be offered a conversation with a nurse or doctor at the occupational health service, and together you can assess whether there is a need for further health care. In that case, the occupational health service can assist in referring further, either in the ordinary health care system or with one of the partners of the occupational health service.

You can also get a referral to a psychologist through your general practitioner (**fastlege**).

## Forskning/utlysning

### New allocations from the Norwegian Research Council

This week, researchers at BIO have received 11 new grants from the Research Council, out of which 9 are coordinated by BIO. Our success rate was 20% for the “Forskerprosjekt for fornyelse” call (the overall success rate in this call was 10%), and 67% (4 of 6 submitted coordinator projects!!) for “Samarbeidsprosjekt for å møte utfordringer i samfunn og næringsliv”.

Here’s a quick summary of the new projects:

Researcher Project for Scientific Renewal	coordinator	Christian Jørgensen	315051	Coral reef hypoxia	In the heat of the night: The role of hypoxia on coral reefs
Researcher Project for Scientific Renewal	coordinator	Evgeny Onishchenko	315615	KARMA	KARMA - an innovative method to analyze cellular fate of proteins and its application to probe the control of proteostasis
Researcher Project for Scientific Renewal	coordinator	Jon Vidar Helvik	315106	LIGHTBIOTRANS	Nonvisual light regulation of biological rhythm and life history transformation
Researcher Project for Scientific Renewal	coordinator	Runar Stokke	315427	DeepSeaQuence21	DeepSeaQuence – Uncovering the metabolic secrets and capacity of Arctic deep-sea hydrothermal vent microbiomes
Researcher Project for Scientific Renewal	coordinator	Vigdis Vandvik	315249	FUNDER_2020	FUNDER - Direct and indirect climate impacts on the biodiversity and Functioning of the UNDERground ecosystem
Researcher Project for Scientific Renewal	partner	UIO-Øyvind Fiksen	315892	POICE	The structuring role of Parasite disease On zooplankton In Coastal Ecosystems
KSPSAMARBEID20	coordinator	Ana Gomes	320566	TIME4SUCCESS	Improve Atlantic salmon robustness in freshwater phase through training and feeding to a successfully timed sea transfer
KSPSAMARBEID20	coordinator	Inger Måren	320680	BIOSPHERE	Activating local resources: cultivating regional cooperation for sustainable land-use
KSPSAMARBEID20	coordinator	Jon Vidar Helvik	320701	Light-Smolt	Light, the master regulator of life history transformation and robustness
KSPSAMARBEID20	coordinator	Vigdis Vandvik	320602	EcoMap	Modelling Ecological state and Condition Maps to support knowledge-based decision-making in Area management and spatial Planning (ECoMAP)
KSPSAMARBEID20	partner	NINA-John-Arvid Grytnes	320640	APPLECORE	Assessment of Pollination Provisioning in agricultural Landscapes and the roles of Environment and Climate on Resilience

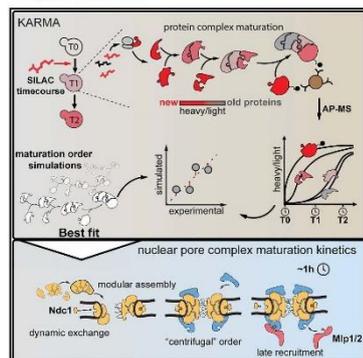
Researchers at BIO in collaboration with colleagues from ETH Zurich developed a general approach to characterize dynamic changes in cellular protein complexes.

Cell

Article

### Maturation Kinetics of a Multiprotein Complex Revealed by Metabolic Labeling

Graphical Abstract



Authors

Evgeny Onishchenko, Elad Noor, Jonas S. Fischer, Ludovic Gillet, Matthias Wojtynek, Pascal Valotton, Karsten Weis

Correspondence

evgeny.onishchenko@uib.no (E.O.), karsten.weis@bc.biol.ethz.ch (K.W.)

In Brief

A general approach to determining assembly kinetics for large protein architectures reveals the time scale and assembly sequence for the nuclear pore complex.

“Our work presents a widely applicable approach to characterize dynamic changes in cellular protein complexes. Whether we look at a virus hijacking a cell or the assembly of the ribosome, the dynamic changes in macromolecular complexes is the key force behind these processes. However, our understanding of macromolecular dynamics is very limited.

The method that we have entitled Kinetic Analysis of incorporation Rates in Macromolecular Assemblies (KARMA) works conceptually similar to isotope-based geological fossil dating. It uses kinetics of isotopic labeling to time the dynamic

changes in protein complexes. Cellular protein complexes are targeted by affinity isolation while their dynamic changes are analysed based on the content of the isotopic label with mass spectrometry and kinetic models originally developed to describe metabolic processes” BIO researcher Dr. Evgeny Onishchenko explains.

To showcase their approach, Dr. Onishchenko and colleagues applied KARMA to reveal the maturation kinetics of one of the largest protein complexes in our cells – the nuclear pore complex (NPC), which consists of ~ 500 proteins. Their analysis resolves the NPC maturation in unprecedented details. It shows a hierarchical principle of NPC biogenesis where individual proteins form subcomplexes on a minute timescale and then co-assemble from center to periphery in a ~1-hour-long process.

This approach can be easily adapted to a variety of bio-generative process. It can be used, for example, to characterize the molecular events in COVID-19 infection cycle. Moreover, with complementary isolation techniques, KARMA platform could be expanded beyond proteins to other types of biological molecules e.g. to RNA or lipids.

The work of Dr. Onishchenko describing KARMA and its application to the maturation of the Nuclear Pore Complex will be published on December 16<sup>th</sup> in a highly prestigious international scientific journal *Cell*.

## Nordic Arctic Cooperation Programme 2018-2021: Open Call 2021

The Arctic Cooperation Programme of the Nordic Council of Ministers has opened up its call for new project applications for financial support in 2021. Deadline for sending in proposals is 1st February 2021 (12:00 CET).

The aim of the Nordic Council of Ministers' Arctic Cooperation Programme 2018–2021 is to create sustainable and constructive development in the Arctic and for its people based on the four P's: planet, peoples, prosperity and partnerships.

<https://nordregioprojects.org/arctic-programme-application/>



## Det Kongelige Norske Videnskabers Selskab

Vi fremmer og formidler vitenskapen

Foreslå kandidater til [DKNVS' vitenskapelige priser til yngre forskere](#) – frist 8. januar

Prisene går til yngre forskere innen naturvitenskap og humaniora og er på kr 75.000 hver. Prisene er finansiert av I.K. Lykkes Fond, som ble opprettet av nylig avdøde Trond Lykke for en rekke år siden.

Kandidaten må oppfylle disse kriteriene:

- prisvinnere må være under 40 år ved utdelingen (februar)
- prisen går til norske eller utenlandske forskere ved norske forskningsinstitusjoner
- prisvinnere må ha dokumentert fremragende talent, originalitet og innsats
- prisvinnere må ha oppnådd særdeles gode resultater innen sine fagfelt

[Se tidligere vinnere](#)

[Nominasjonsskjema](#)

### Kontakt

Rådgiver Anne Merete Bekkevahr

tlf. 94 78 79 78

[post@dknvs.no](mailto:post@dknvs.no)

## Partnership Water4All - Water Security for the Planet

Stakeholder Consultation for developing the Strategic Research and Innovation Agenda. Consultation until 11 January 2021.

The "**Water4All - Water Security for the Planet**" Strategic Research and Innovation Agenda draft is now available for **consultation until 11 January 2021**.

We welcome contributions to further consolidate the agenda, promote its wide diffusion and adoption, and capture priorities.

<http://www.waterjpi.eu/resources/newsletter/newsletter-december-2020/partnership-water4all-water-security-for-the-planet>

## Etterlysning: Artsdatabanken søker eksperter på fremmede arter

Artsdatabanken starter nå prosessen med å revidere Fremmedartslista. Til dette arbeidet søker vi eksperter – både økologer og taksonomer med interesse for fremmede arter er velkommen til å ta kontakt.

### Egen "kvote" for nyutdanna eksperter

Artsdatabanken ønsker at det i fremtiden skal finnes tilstrekkelig god kompetanse på risikovurdering av fremmede arter i Norge. For å sikre rekruttering til feltet har vi derfor som mål at det i hver ekspertkomite skal være ett kvalifisert yngre nyutdanna, medlem. Som nyutdanna regner vi personer som har avlagt mastereksamen for inntil 6 år siden. Posisjonen kan dermed også være relevant for PhD-studenter og personer i postdoktorstillinger.

[Les mer og meld din interesse her](#)

## Minner om skrivekurs for forskere

Vi har gleden av å invitere til nytt skrivekurs for forskere ved MatNat-fakultetet:

**Torsdag 14. januar 2021 fra 9.00-15.30**

Målet er å sette deltakerne i stand til å skrive kronikk eller populærvitenskapelig tekst for avis, blad eller nettsteder som forskning.no og Aftenposten Viten.

Målgruppe for kurset er vitenskapelig ansatte ved institutter og sentre ved fakultetet. Særlig stipendiater oppfordres til å melde seg på.

Alle deltakere må forplikte seg til å sende inn utkast til tekst, som vil bli gjennomgått i løpet av kursdagen. Deltakerne vil få videre oppfølging av teksten etter kurset slik at teksten publiseres på forskning.no.

**Deltakerne vil lære mer om:**

- Slik gjør du en tekst interessant.
- Språk: Hvordan skrive enkelt om det vanskelige.
- Hvordan få leserne gjennom hele artikkelen?
- Sjangre. Kronikken, bloggen, nyhetsartikkelen.
- Treningsøkter og øvelser.
- Tilbakemelding på tilsendte tekster.
- Slik møter du journalister.

**Kursledere:** Eivind Lauritsen og Eldrid Borgan, Forskning.no

Gratis lunsj inkludert. Ingen kursavgift.

UiBs gjeldende smittevernstiltak vil bli fulgt. Kurset vil ikke la seg gjennomføre ved pålegg om hjemmekontor.

Påmelding: <https://forms.gle/BD6yi8LDTeyzdVAe6>

**Frist: Onsdag 6. januar 2021**

Har du spørsmål? Kontakt kommunikasjonsrådgiver Asbjørn Leirvåg, mobil 41423341 / [asbjorn.leirvag@uib.no](mailto:asbjorn.leirvag@uib.no)

## Sustainability Team – Hint of the month

Some nice ways to wrap your presents in a more sustainable way

1. You can reuse old newspapers or magazines as gift wrapper.
2. Re-use old wrappings if you still have some.
3. Make it a double gift – wrap your present in a scarf, reusable napkins, or put it in a reusable grocery bag.
4. Try table cloth as a gift wrapper – it is reusable.
5. Instead of plastic wrapping gift ribbons and decoration – use small amounts of tape and make your own paper decorations. Your effort will be appreciated.
6. Make Christmas a guessing game for your kids and just cover the unwrapped gifts with a blanket and make the kids fish for them without looking.
7. Bee`s rap is a nice way to pack a gift and can be reused in many lunch-packs wrapping the sandwiches later.
8. Don't wrap your presents at all. It is the present that counts, not the wrapping.

Christmas is a time of huge trash production. About 30% more trash are produced in the UK during the Christmas time as compared to a similar period any other time of the year. And wrappings are a major part of it. About 83 km<sup>2</sup> of paper are used only in the UK and one ton of new paper costs about as much energy as a ton of steel. Not to mention all the Christmas trees that need to go into the production of new paper. So here you have some hints how you can reduce your trash and still have a nice present.

Interested in joining the Sustainability Team? Write an email to [stefan.thiele@uib.no](mailto:stefan.thiele@uib.no). The next Zoom meeting is on December 17th 16:00-17:00.

## MARE Conference People & the Sea XI 28 June to 2 July 2021

### Location: Online/Virtual – Call for papers



#### Conference theme: Limits to Blue Growth?

Deadline for panel, paper proposals and other conference formats:

**31 January 2021 (GMT)**

[Call for papers](#)

## Vacancies

### Science officer vacancy at European Marine Board

The European Marine Board [Secretariat](#) is looking for a full-time Science Officer to join the EMB Secretariat based at the [InnovOcean](#) campus in the port of Ostend, Belgium. This is an exciting opportunity to work as part of a dynamic, professional Secretariat to promote and advance marine science on behalf of the EMB membership of institutions from across Europe. The Science Officer will provide support to core activities of the Board in working with an extensive network of experts to deliver scientific strategy and foresight, advancing future seas and ocean research. One of the main tasks will involve engagement in activities funded by the European Commission via Framework projects (Horizon 2020 and Horizon Europe) and other external contracts. The post can involve regular visits to Brussels and some international travel. The successful candidate will be offered a competitive salary and a full-time contract for a limited duration of 4 years.

Candidates with a post-graduate qualification at Master's level or higher in marine science that have 1-2 years' research experience in a relevant scientific or science-policy role and excellent spoken and written English and editorial skills can apply for this position by sending a full CV, covering letter and motivation statement (500 words max.) outlining your suitability for the post **by 17:00 CET on Sunday 31 January 2021** to [info@marineboard.eu](mailto:info@marineboard.eu), quoting the following reference in the subject line: **EMB SO2021**.

You can find more information about the job description in [the document attached](#) and on the EMB website: <https://www.marineboard.eu/vacancies>.

### Associate Professor in fish biology

The research group for genetics at the Norwegian College of Fishery Science (NCFS), UiT The Arctic University of Norway (in beautiful Tromsø), seeks a motivated, collaborative, and ambitious scientist for a permanent position as Associate professor in fish biology. The position is a part of a strategic commitment to strengthen the capacity for aquaculture related research at NCFS/UiT.

[Read the announcement](#)



UiT Norges arktiske universitet

## Faste Lenker

[BIO internsider](#) (her finner du interne sider for ansatte)

[BIO-kalenderen](#) (her finner du arrangementene på BIO)

[Publikasjoner på BIO](#) (lenke til registrerte 2019-publikasjoner i CRISTIN)

[Velferdstilbud](#) (oversikt over alle UiB sine velferdstilbud)

[Information for International Researchers](#)

[Ledige stillinger på UiB](#)

[Høringer](#)

[HMS](#)

[BioCEED](#)