



Department of Biomedicine Newsletter



Issue 8/18
27 April, 2018

Dear colleagues at IBM,

this time of the year is my favorite: the days become noticeably longer, the sun has made it over Løgstakken. Let there be light. Beautiful! It feels as though there is an additional energy source that gives inspiration and makes coping with the daily challenges seem easier.

One of this year's challenges, the major application round for the research council, had the deadline already this week. More than half of our PIs have sent in an application! That's a remarkable number, given that those who already have such a project running are not eligible to apply for another one. I wish each and every one success with their effort!

Now, we will shift the teaching into focus. On May 3rd, in the afternoon, there will be the Departmental Education Day (Undervisningsdagen). Arne and the section of academic affairs have compiled a program that will provide very interesting insights and opportunities how we can make teaching more variable and exciting (the program is [here](#)). I assume that this is of importance and interest to all our teachers. It is critical that we take the time every once in a while to exchange ideas and experiences about teaching, just as we do in science!

The Dean and Vice deans have weekly meetings with the heads of the departments. Since last fall, about once a month this meeting takes place in one of the departments. This has been very interesting, as the departments present themselves, their research and other activities. We have the pleasure of hosting such a meeting in about four weeks. Apart from the, perhaps, more obvious: What do you think could be interesting to highlight, something that is very special to our department? I would appreciate your suggestions!

With my best wishes,

Vennlig hilsen,
Mathias

Research, Science, and Seminars

New Publications



The following list is the PubMed search result for "Bergen AND Biomedicine" since the last newsletter. Authors who credit our Department are shown in bold.

If your article is missing, please send the reference to the editor: Margarethe.Bittins@uib.no.

[High-Dimensional Phenotyping Identifies Age-Emergent Cells in Human Mammary Epithelia.](#)

Pelissier Vatter FA, Schapiro D, Chang H, Borowsky AD, Lee JK, Parvin B, Stampfer MR, LaBarge MA, Bodenmiller B, **Lorens JB**

Cell Reports. 2018 Apr 24;23(4):1205-1219.

[High Risk for Severe Emotional Dysregulation in Psychiatrically Referred Youth with Autism Spectrum Disorder: A Controlled Study.](#)

Joshi G, Wozniak J, Fitzgerald M, **Faraone S**, Fried R, Galdo M, Furtak SL, Conroy K, Kilcullen JR, Belser A, Biederman J.

J Autism Dev Disord. 2018 Apr 19.

[Truncating Variants in NAA15 Are Associated with Variable Levels of Intellectual Disability, Autism Spectrum Disorder, and Congenital Anomalies.](#)

Cheng H, Dharmadhikari AV, **Varland S**, Ma N, Domingo D, Kleyner R, Rope AF, Yoon M, Stray-Pedersen A, Posey JE, Crews SR, Eldomery MK, Akdemir ZC, Lewis AM, Sutton VR, Rosenfeld JA, Conboy E, Agre K, Xia F, Walkiewicz M, Longoni M, High FA, van Slegtenhorst MA, Mancini GMS, Finnila CR, van Haeringen A, den Hollander N, Ruivenkamp C, Naidu S, Mahida S, Palmer EE, Murray L, Lim D, Jayakar P, Parker MJ, Giusto S, Stracuzzi E, Romano C, Beighley JS, Bernier RA, Küry S, Nizon M, Corbett MA, Shaw M, Gardner A, Barnett C, Armstrong R, Kassahn KS, Van Dijk A, Vandeweyer G, Kleefstra T, Schieving J, Jongmans MJ, de Vries BBA, Pfundt R, Kerr B, Rojas SK, Boycott KM, Person R, Willaert R, Eichler EE, Kooy RF, Yang Y, Wu JC, Lupski JR, **Arnesen T**, Cooper GM, Chung WK, Gecz J, Stessman HAF, Meng L, Lyon GJ.

Am J Hum Genet. 2018 Apr 12

[Increased formate overflow is a hallmark of oxidative cancer.](#)

Meiser J, Schuster A, Pietzke M, Voorde JV, Athineos D, Oizel K, Burgos-Barragan G, Wit N, Dhayade S, Morton JP, Dornier E, Sumpton D, Mackay GM, Blyth K, Patel KJ, **Niclou SP**, Vazquez A.

Nat Commun. 2018 Apr 10;9(1):1368

BBB seminar

Peter Rosenthal's will talk about "Imaging virus and cell architecture by electron cryomicroscopy"

The seminar will first describe recent progress in imaging biological assemblies by electron cryomicroscopy (cryo-EM) and then focus on the application of electron cryotomography to understanding how influenza virus fuses with membranes, a key step in virus infection. Membrane fusion is mediated by conformational changes in the hemagglutinin glycoprotein at the low pH of the endosome.

Peter comes from the new prestigious Francis Crick Institute in London.

3 May, 14:30 Auditorium 4, BBB

Operations, Health, and Safety

New name: Alrek Helseklynge

Last Thursday, the University Board decided on the new name of Helsecampus Årstadvollen.

After discussion, where the various institutional representatives explained their views, the University Board recommends that the Helsecampus Årstadvoll change name to Alrek Helseklynge. This will also work when communicating internationally, while the place name has clear historical roots. In the future, it will be called "Alrek Helseklynge" or "Alrek Health Campus".



Merking av kjemikalier

Nye bestemmelsene om merking av kjemikalier tredde i kraft for noen år siden. IBM skal fullføre implementeringen av dette i 2018. Vi følger her retningslinjene gitt av UIB-sentralt som sier at alle kjemikalier som et minimum skal ha de nye piktogrammene. Dette vil innebære å sjekke hvert enkelt kjemikalie, med gamle piktogram, i EcoOnline og feste på de gjeldende piktogrammene.

For å lette på mengden arbeid foreslår instituttledelsen at eldre kjemikalier som ikke er i bruk avhendes som avfall. I denne sammenheng vil det bli en felles ryddedag før sommeren der fellesavdelingen setter opp avfallsstasjon hvor man kan levere gamle kjemikalier.

For de som ønsker å starte på arbeide litt i forkant kan CLP-klistermerker hentes hos fellesavdelingen allerede i dag.

Kontakt Emil Hausvik hvis du har spørsmål.

Labelling of Chemicals

New rules regarding the labelling of chemicals have been introduced a few years ago. IBM will complete their implementation in the course of 2018. We will follow the guidelines given by UoB, stating that all chemicals as a minimum must have the new pictograms. This will require checking every chemical, with the old pictograms, in EcoOnline and attaching the new pictograms to them.

To manage the workload the Department's administration suggests that older chemicals, which are no longer used, should be disposed of as waste. To facilitate this there will be a joint cleaning day before the summer where *fellesavdelingen* will put up a waste-station where one can hand over older chemicals.

For those who wish to start the work earlier, one can acquire CLP-stickers at Fellesavdelingen already today.

Contact Emil Hausvik if you have any questions.

Academic Affairs

Undervisningsdag - Education day

We welcome everyone who is involved in the Department's teaching activities to a day devoted to University education! The event will be held in Norwegian.

12.00-12.30	Lunch in the foyer
12.30-13.30	Digital possibilities in teaching, what can we do, what can we get support for? By DigUiB
13.30-13.45	Coffee
13.45-14.30	ERASMUS + project for teaching: Open Educational Resources in Computational Biomedicine Presentation of project and content. By Marit Bakke and Arvid Lundervold
14.30-15.00	Psychometrics: Good tool for even better exam questions.

Registration (for lunch): <https://schemaker.app.uib.no/view.php>

3 May, 12:00-15:00

PhD Updates

Sing up for Researcher Grand Prix!

Want to be an excellent science communicator?

Researcher Grand Prix is the Norwegian championship in research dissemination and an excellent opportunity to improve your dissemination skills. As a participant, you get a great opportunity to learn more about how to reach your message to a large audience.

The organizers, Forskningsdagene i Bergen, provide you with individual coaching where you will learn more about storytelling, presentation techniques, voice usage, chronicle writing, media management and creative thinking.

A little added bonus: participation counts as 1 ECTS towards the dissemination activities of the PhD-programme.

<http://www.forskningsdagenebergen.com/portfolio-item/forsker-grand-prix-2018/>

Application deadline 30 April.



Research Stay Abroad?

The International Center UiB organizes a funding seminar for scientific staff and master students who plan research stays or exchanges to North America.

The Norwegian Research Council (NFR), Fulbright and Norway-America Association (NORAM) inform about scholarships for master students and academic staff who want a research stay in North America.

[Info and registration.](#)

3 May, 9.00-13.00, Studentsenteret



Funding Announcements

PES2020 - routines at the Department of Biomedicine 2018

PES2020 is an initiative of the Research Council that will help strengthen Norwegian participation in Horizon 2020. You can get financial support to find partners, networks and relevant announcements, and you can get support for writing applications.



Project Establishment support (PES)

Is refunded to researchers after having submitted an application to H2020 in 2018.

PES funds can cover travel and meeting expenses, external consultancy (UiB has framework agreements with Innovayt and Enspire Science Ltd), expenses for partner search, establishment of project consortia, search in patent databases and the like. For each application sent to H2020 in 2018, the research groups receive PES funds at fixed rates. Routines:

- The research groups use their own funds to prepare EU applications.
- Researchers submit a research application to Horizon 2020, that has to be deemed "eligible"
- According to [fixed rates](#), the PES support will be refunded to the groups (more details on the routines will follow).

POS – Positioning funding

For strategic activities that will help researchers position themselves towards future calls (from 2020).

Covers expenses related to: Building relationships with leading European environments (networking), participation in arenas that influence the European Research and Innovation Agenda (strategic work), short-term positioning to build new, possibly entering into existing consortia. Maximum kr. 75,000 per application. Routines:

- Researchers apply for POS funds in advance by filling out the [application form POS](#) and emailing it to Margarethe.Bittins@uib.no **by 6 May 2018** (next deadline: 14 September).
- POS funds are transferred to the research groups after receiving NFR payment
- POS funds must be used by December 10, 2018.

POS-KHT – Competence-building

For activities that build up expertise for administrative and scientific personnel. This includes participation at seminars, workshops and conferences. Routines:

- Researchers apply for POS funds in advance by filling out the [application form POS](#) and emailing it to Margarethe.Bittins@uib.no **by 6 May 2018** (next deadline: 14 September). *The programs of the activities for which funds are sought must be added to the application.*
- The POS-KHT funds are transferred to the groups as soon as NFR has made them available to UiB
- Must be used by December 10, 2018.

This information is also posted on the IBM internal pages (Funding information/Søknadsinfo)
https://wiki.uib.no/biomed/index.php/Main_Page

More details on the PES2020 funding scheme and routines at the University of Bergen are [here](#).

Funding opportunities for Digital Life Research Projects



- 12:30 – 12:45 The Digital Life initiative and the Centre for Digital Life Norway (DLN).
12:45 – 13:00 DLN seen from UiB – Ambitions and perspectives.
13:00 – 13:15 Funding opportunities – What is a digital life project
13:15 – 13:30 Discussions and questions

The meeting is open for all interested!

4th May, 12:30 – 13:30, BBB, Auditorium 2

Current funding announcements/deadlines

The Research Council of Norway (NFR)

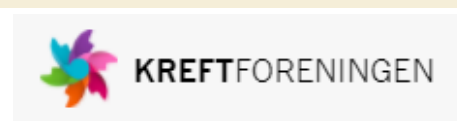
- [Offentlig ph.d.](#): The public sector can apply for funding for employees wishing to take a PhD. The candidate needs to be registered in the PhD program in an institution that can award doctoral degrees. **Deadline: there is funding for ca. 20 candidates, so first come first served**
- [Mandatory sketch for INFRASTRUCTURE application](#) **Deadline: 15 May 2018**
- [Collaboration projects between Norwegian and American researchers](#): BEDREHELSE and BEHANDLING announce collaboration projects with National Institutes of Health (NIH). More information to come. **Deadline: 12 Sep 2018**
- [Collaboration with Swiss researchers](#): researchers from Norway can now apply with partners in Switzerland for Swiss research funding. More information can be found on the website of [Swiss National Science Foundation](#), the Swiss research council. All announcements from RCN are also open to researchers from Switzerland who can be partners on applications where the main applicant is from Norway. In this case, 50 % of the costs for the Swiss partner are covered.



Norwegian Cancer Society

Call is open: [Open call](#) Flexible, long-term research support for cancer research projects in basic research, translation research, clinical research, epidemiological research and health and social science research. What is supported? Researcher positions, post doctoral positions, technical positions, running costs.

NOTE: the Department will have an internal deadline for submitting the budget drafts mid-May.



Deadline 1 June 2018

Horizon 2020 – European Research Council ERC Frontier research grants

- [Advanced Grant](#) 5 years funding for an established, leading principal investigator who wants to pursue a ground-breaking, high-risk project. 2,5 million € in total. The PI can have any nationality and work in any research field. **Deadline: 30 August 2018**
- pre-announcement [Starting Grant](#) - for researchers of any nationality with **2-7 years of experience since completion of PhD** (Extensions are possible under certain circumstances — see the latest [ERC Work Programme](#)), a scientific track record showing great promise and an excellent research proposal. **Deadline: 17 October 2018**
- pre-announcement [Synergy Grant](#) - A group of two to maximum four Principal Investigators working together and bringing different skills and resources to tackle ambitious research problems. Proposals will be evaluated on the sole criterion of scientific excellence which, in the case the ERC Synergy Grants, takes on the additional meaning of outstanding intrinsic synergetic effect. **Deadline: 8 November 2018**
- pre-announcement Consolidator Grant - Researchers with 7-12 years of experience since completion of PhD, a scientific track record showing great promise and an excellent research proposal. **Deadline: 7 February 2019**



The Division of Research Administration at UiB would like to invite interested researchers and interested support staff for a half-day proposal information [course about the European Research Council Starting and Consolidator grants 2019](#). The experienced presenters from Enspire Science (former Beacontech) will guide you through the proposal elements and talk about presenting the research idea and yourself. You can book a session with them after lunch to discuss your idea and further questions. The course will take place 13 June 2018 - 09.00–13.00 at Scandic Byparken (former Rica Hotel). **Deadline for registration is 08 June at 16.00.**

Horizon 2020 – Marie Skłodowska Curie Actions (MSCA)

Excellent and innovative research training plus attractive career and knowledge-exchange opportunities through cross-border and cross-sector mobility, no thematic priorities.



- [MSCA COFUND](#): co-funding new or existing doctoral programmes and fellowship programmes to open up to international, intersectoral and interdisciplinary research training, as well as mobility of researchers at all stages of their career.

Deadline: 28 September 2018

- pre-announcement [MSCA Innovative Training Networks \(ITN\)](#) - supports competitively selected joint research training and/or doctoral programmes. Partnerships take the form of collaborative European Training Networks (ETN), European Industrial Doctorates (EID) or European Joint Doctorates (EJD)..

Deadline: 15 January 2019

Horizon 2020 - Societal Challenges (SC)

SC1-2018-2019: Health, demographic change and wellbeing

Call: *Better health and care, economic growth and sustainable health systems*

[SC1-BHC-02-2019: Systems approaches for the discovery of combinatorial therapies for complex disorders](#) (Two-stage)

Research should aim to understand at systems level the pathophysiology of a disorder in groups of patients responding well or poorly to particular therapies and further develop combinatorial therapies tailored to the needs of individuals or stratified patient group. Projects should focus on already available and/or authorised therapies and have access to standardized biobank samples derived from retrospective or currently running clinical studies. These patient samples should be re-analysed with modern high-throughput technologies.

2 October

2018

[SC1-BHC-14-2019: Stratified host-directed approaches to improve prevention, treatment and/or cure of infectious diseases](#) (Two-stage)

2 October 2018

Horizon 2020 – Complementary Calls

- [Innovative Medicines Initiative](#): IMI supports large consortia of public and private organisations. Calls roll out throughout the year, and appear in advance as 'future calls' on the IMI website to give applicants a chance to begin forming consortia. The applicant portal is also a platform for partner search. [There are currently open calls in 4 areas:](#)
 - Topic 1: Targeted **immune intervention** for the management of non-response and relapse
 - Topic 2: Non-invasive clinical molecular **imaging of immune cells**
 - Topic 3: Development of a platform for federated and privacy-preserving **machine learning in support of drug discovery**
 - Topic 4: Centre of excellence – remote decentralised clinical trials



If you are interested in applying to an IMI2 call, please contact EU adviser Katie.anders@uib.no

Deadline 14 June

Novo Nordisk Foundation:

- [Project Grants in Endocrinology and Metabolism - Nordic Region](#): The objective of this call is to support young and promising researchers as well as established scientists, to carry out research projects of 1 to 3 years' duration within basic and clinical research **in endocrinology and metabolism**.

Deadline 1 June 2018 at 2 pm

Extrastiftelsen

Support for research on health challenges faced by the Norwegian population. The foundation supports actions and projects on **physical and mental health**, life quality, living conditions, etc.

Deadline: 1 June at 15.00

NordForsk

[Nordic Call on Personalized Medicine](#): One of the goals for the call is to promote implementation of new personalized medicine approaches for more effective and sustainable health care for the benefit of patients, citizens and society. The expected funding available per project is in the order of EUR 1-3 million for a duration of up to 4 years. The applicant consortium must consist of participants from at least three co-funding Nordic countries, alternatively from two co-funding Nordic countries and one third country.

Deadline: 14 September at 13.00

EEA and Norway Grants

[The EEA and Norway grants fund for regional cooperation](#): Cross-border and transnational cooperation is a key driver to find shared solutions to Europe's common challenges. Funding will be allocated to support inclusive dialogue and the strengthening of cross-border and transnational networks, capacity building, knowledge sharing and policy exchange to accelerate innovation; the development of sustainable cooperation structures between the business sector, public sector, civil sector and academia; and engagements contributing to and enhancing effectiveness and efficiency in policy development and responses to common European challenges.

Deadline 1 August 2018

The Michael J. Fox Foundation

The following four calls are for 1-2 year projects covering various aspects of Parkinsons disease. A webinar on the calls will take place 10 May 2018. The application process is two-stage

- Alpha-Synuclein Biology and Therapies
- **Biomarkers of Protein Handling / Autophagy, Exosomes and Lipids**



Deadline for stage I 31 May

MERCK

The science and technology company MERCK celebrate their 350th anniversary and [offer a series of research grants](#) to stimulate innovative research in challenging areas of future importance. Furthermore, Merck is initiating five research challenges in the areas of [compound synthesis](#), [protein production](#), [innovative analytics](#), [diabetes prevention](#) and next [game-changing technologies](#).

Deadline: 15 August

Gilead Sciences Nordic Fellowship Programme

Gilead Sciences Nordic will provide funding to projects within **HIV, liver diseases, and hematology/oncology** executed in the Nordic countries. Applications are invited from health-care organisations and/or academic institutions. There are no minimum or maximum request amounts. Applicants should request the level of funding that is required based on programmatic needs. Funding will be available from December 2018



Deadline: June 29

Individual Fellowships and Personal Grants

Research stay abroad for PhD-candidates and Post-docs

- [UiB](#) PhD-candidates and Post-docs funded by the Faculty of Medicine, University of Bergen, can apply for research grant limited to 25.000 nok. **Deadline: 1 March and 1 October**
- [RCN](#) The offer for a scholarship for research stays abroad applies to PhD candidates and Post Doctors in projects with full or partial funding for the Research Council for a minimum of 24 months. The research stays abroad may last for a minimum of 3 months and a maximum of 12 months. **Deadline: continuing**

Horizon 2020 Marie Skłodowska Curie Actions

- [Individual Fellowships \(IF\)](#) for experienced researchers (at the post-doctoral level). Offers advanced training, international mobility, and optional intersectoral secondments. The host organizations can be universities and research institutes in addition to a company or other non-academic sector organizations. **Deadline: 12 September 2018**
- [Widening Fellowships H2020-WF-2018-2020](#): The goal of the Individual Fellowships is to enhance the creative and innovative potential of experienced researchers (post doc), wishing to diversify their individual competence in terms of skill acquisition through advanced training, international and intersectoral mobility. Widening fellowships, in particular, provide specific support to researchers to undertake their fellowship in a widening country. This will help spread excellence and close the still apparent research and innovation gap within Europe. **Deadline: 12 September 2018**

Funding for Cooperation in Higher Education

Erasmus

1. [Erasmus+ Mobility for Students and Staff](#): Student Affairs manages and coordinates student and staff mobility. Staff members can apply for Erasmus + mobility funds by August 20, and on January 20. Information about student grants and other information can be found at www.uib.no/student/erasmus and employee websites: <http://www.uib.no/foransatte/86439/studentmobilitet> (Link in Norwegian) **Deadline: August 20th, 2018**
2. [Project establishment funds for Erasmus+ Projects \(Prosjektetableringsstøtte\)](#) (Link in Norwegian) Funds to support the development of Erasmus+ projects within the following actions: 1) Knowledge alliances, 2) Sector alliances, 3) Capacity building, 4) Joint degrees, 5) Jean Monnet, and 6) Sports. **Deadline: 3 September 2018**

UTFORSK

[The UTFORSK programme](#) (Link in Norwegian) provides support for academically-based cooperation in higher education, aimed at long-term and institutionally based relations with Brazil, India, Japan, China, Russia and South Africa.

Deadline: 25 September 2018

NORPART – Norwegian Partnership Programme for Global Academic Cooperation

supports academic partnerships and student mobility with an emphasis on Master and PhD level between higher education institutions in Norway and selected developing countries.

Deadline: 31 May 2018

[Programme for cooperation on higher education with Russia \(Russlandsprogrammet\)](#) (Link in Norwegian)

The program for cooperation on higher education with Russia provides support for cooperation between universities and colleges in Russia and Norway. (More information will be available on SIUs websites in March.) **Deadline: 25 September**

InternAbroad

facilitates increased use of international practice mobility for students from Norway. The practice period can take place in Brazil, Russia, India, China, South Africa, Japan, USA or Canada.

Through InternAbroad, Norwegian higher education institutions can apply for up to NOK 300,000 over a two-year period to establish arrangements for internship internship internships.

Deadline: 25

September

More funding opportunities, presented by the Faculty of Medicine:

External funding opportunities: <http://www.uib.no/en/med/112772/external-funding-opportunities>

Funding opportunities for education: <http://www.uib.no/med/113987/funding-opportunities-education>