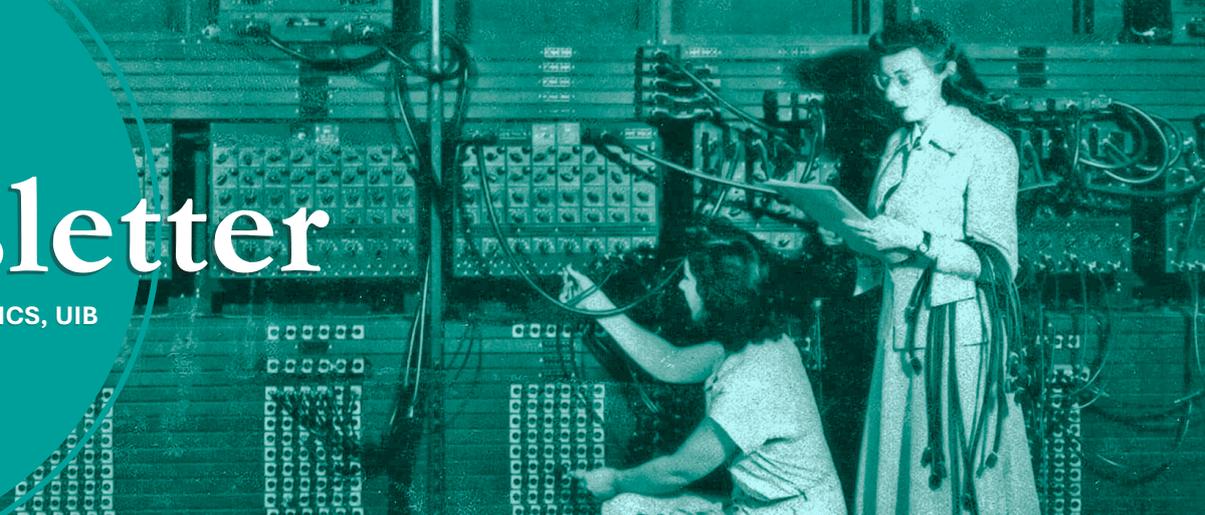


# Newsletter

DEPARTMENT OF INFORMATICS, UIB  
No.09/2022, 06.05.2022



Editor-in-chief: Inge Jonassen. Editor: Randi Heggernes Eilertsen.  
Contributions or comments to the newsletter are very welcome.

## Dear Colleagues,

We now have the numbers for application to our study programs, and even though the numbers are a bit down from last year, we still have many more applicants than study slots. I thank everyone for telling potential students about our excellent study programs and fantastic student environment, and I hope that together we can become even better at doing this, and contribute to make the number of applicants even greater in the coming years!

We have had a huge increase in the number of students through the last few years. In addition, some of our courses are taken by students in other study programs. In total, this increases the total teaching load on our department and our staff. An increase in student numbers also gives increased budgets for the department – and allows us to expand our staff. We are therefore planning to announce three new positions shortly, an expansion I see as absolutely necessary in order to be able to maintain the high level of quality of both our educational and research activities in the coming years, and I look forward to an exciting recruitment process!

While the economy of our department still is in fair shape, this cannot be said about the economy of our faculty as a whole. The Faculty of Mathematics and Natural sciences and many of our “sister departments” are facing red numbers and need to do cuts in their budgets. From the faculty level, our department is also encouraged to show some more moderation in our spending. At this point we will not give any detailed instructions, but we encourage everyone to think alternatively, and when possible choose less costly solutions when planning events and activities from now on. Also: When it comes to balancing a budget, increasing the income side is just as important as controlling the expenses. We have submitted a record high number of applications this year and appreciate all the work you put into this – in addition to teaching and other contributions!

I wish you all a fantastic weekend!

Inge



## The Dean's Blog - Gunn Mangerud



[The Dean's blog](#) aims to inform us of ongoing work and processes at The Faculty of Mathematics and Natural Sciences.

Her latest posting:

[«Inkludering og mangfold er tett knyttet sammen»](#)

# Fire safety course



05.05.2022

Our department is now thoroughly prepared to deal with any small fires that may happen in sawn off metal barrels around campus!

Read up on UiB fire safety policy [here](#).



# Opplev Marineholmen



23.04.2022

Thank you to everyone who contributed to a wonderful day at “OPPLEV på Marineholmen”!

Hopefully we warped some young minds into studying informatics in a few years.



# Current Issues

## Short overview of upcoming department events:

13 May & 13 June	Faculty and Staff lunch, in Skogen (4th floor)
13 May	Visual Computing Forum - Multimodal imaging of preclinical cancer models
19 May	Department seminar: " <a href="#">Tiling n-Space by Unit Cubes</a> "



## New director of Simula UiB

This week, Carlos Cid officially stepped into the role as the new director of Simula UiB.

Cid held a position as a professor in Information security at Royal Holloway University of London. He is already well acquainted with Simula; since June 2018 he has held a 20% position as visiting researcher at Simula UiB. Cid is originally from Brazil, but has lived in the UK for 20 years.

With Carlos, Simula UiB gets a director with a strong scientific background in information security and extensive leadership experience. The board of Simula UiB is enthusiastic about bringing him to Simula and looks forward to collaborating with him in taking Simula UiB into the future.



## Designing Data Science Education at UiB

On 1 April 2022, the Statistics & Data Science group and the Center for Data Science (CEDAS) held a cross-faculty workshop on Cooperation Opportunities and Challenges in Data Science Education. The main aim of the workshop was to enhance the interaction between the departments and faculties involved in CEDAS, and start a discussion about how to improve UiB's educational offer in data science.

[Read more about the workshop.](#)

# 17. mai 2022

## INVITATION TO 17 MAY BREAKFAST & THE MAIN PARADE

The University of Bergen hereby invites employees and their families for breakfast on Norway's Constitution Day at Christie café, Muséplassen 3.

Food and beverages for both adults and children will be served. Price: NOK 150 per adult, NOK 50 per child (under 12 years old).

### PROGRAM:

07.00 – Canon shots from Skansen followed by a performance from student choir Arme Riddere.

07.20 – Placing of wreaths at the statue of W. F. K. Christie by the 17th of May Committee as part of the morning parade.

07.45 – Rector Margareth Hagen welcomes you to breakfast at Christie café.

09.30 – End of breakfast and departure for Koengen to take position in the main 17th of May parade as participants from the university.

[Registration for the breakfast here, before 10 May \(seating is limited at the breakfast.\)](#)

**Welcome!**

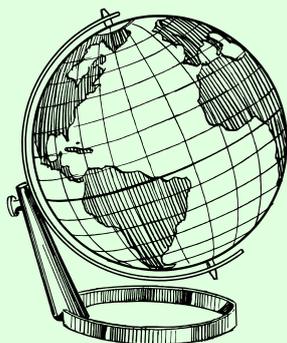


UNIVERSITY OF BERGEN

## International Newsletter

UiB has a newsletter made especially for internationals, where you can find useful tips and news about upcoming events.

If you have moved to Bergen from a different country, we highly recommend subscribing to the newsletter [here](#).



## SEMINAR

19.05.2022 - 08.30–10.00  
Digital seminar on Zoom

### Arbeidsliv i endring – hva med arbeidsmiljøet?

Vernetjenesten ved UiB inviterer ansatte og ledere til digitalt frokostseminar 19. mai.

[Read more.](#)

Sign up before 18.05.2022

# Visual Computing Forum with Heidi Espedal



## Multimodal imaging of preclinical cancer models

13th of May, 10:15

Imaging modalities such as magnetic resonance imaging (MRI) and positron emission tomography-computed tomography (PET-CT) is widely used for cancer diagnosis and management. In translational cancer research, animal models using patient-derived tumor and organoid xenograft models (PDX/O-PDX) represent useful tools for characterization of tumor growth and evaluation of new therapies. Preclinical imaging of PDX-models by MRI and PET-CT during disease

progression enables visualization and quantification of functional tumor characteristics. The primary objective of this talk is to give an overview of current and novel preclinical multimodal imaging methods in cancer research.

This seminar is prepared as a hybrid event (in-person + streaming via Zoom). You are very welcome to join the meeting physically ([II - 510N3 Blåbær](#) (the 'yoga' room)) or virtually in [Zoom](#).



For more details about the speaker and the talk, please visit <https://vis.uib.no/events/heidi/>



“National Science Week (Forskningsdagene) takes place at the end of September every year. The festival presents a superb opportunity to showcase research in general and its impact on society.

The main topic for 2022 is "Ocean" (in Norwegian: "Hav"). This presents a superb opportunity to showcase research on deep ocean, polar research, biological processes, marine environment and ecosystem dynamics, the ocean environmental status and human health, regulation, resources and history of the oceans and its impact on human society. However, we also welcome other fields of research to present their research topics and projects during the festival.”

[Read more and see available opportunities here.](#)



## Department Discord server

As mentioned at Solstrand, the department has a new discord server for informal, casual chatting and sharing.

You can join the server through [this link](#).

# Invitation: Norwegian Bioinformatics Days 2022

(The NBD organizing team): Welcome to the national bioinformatics conference Norwegian Bioinformatics Days 2022 taking place September 28-30, 2022, at Sundvolden Hotel (~one hour drive from Oslo).

This meeting aims to gather people who work with bioinformatics in Norway for three days of research sharing and networking. Hear from several internationally interesting keynote speakers and get an insight into the supporting infrastructure and activities within bioinformatics and computational biology in Norway.

[Visit the website](#) and sign up for updates. Conference program, registration and invitation to submit abstracts will follow soon.

Please help us spread the word in your networks. In the attachments, we also include an invitation to display on screens.

We are looking forward to seeing you all in Sundvolden in person!

*This meeting is a collaboration with Centre for Digital Life Norway, Elixir Norway, NORBIS, RSG-Norway, Computational Biology Unit (UiB), and many more.*



## NORA Annual Conference 2022

7-11 June, University of Bergen

Deadline for registering is 25 of April.

The International Artificial Intelligence in Bergen Research School aims at disseminating recent advances on AI. It is mainly intended for master and Ph.D. students, postdocs, and researchers wishing to learn more about the theme of the research school. In 2022, the broad theme of the school is: Knowledge Graphs and Machine Learning.

The event will be co-located with a workshop where participants will be invited to present their work in oral and poster sessions

See the list of distinguished lecturers and read more about the conference [here](#).

## NORA Research School

If you are a PhD student within the field of AI from a NORA-partner institution (that includes us), we encourage you to become a member of the [NORA Research School](#).

NORA is in the process of establishing research school for PhD students at our partner institutions. However, membership in NORA's Research School is already open to any PhD student from a NORA partner institution with a project related to artificial intelligence, machine learning and/or robotics.

You can be a member of several research schools simultaneously, and there are no obligations, costs or commitments to being a member. Through membership in NORA Research School you will be the first to receive relevant information about and the opportunity to participate in courses, lectures and events.

# Women in Science in Africa

## - A silent revolution

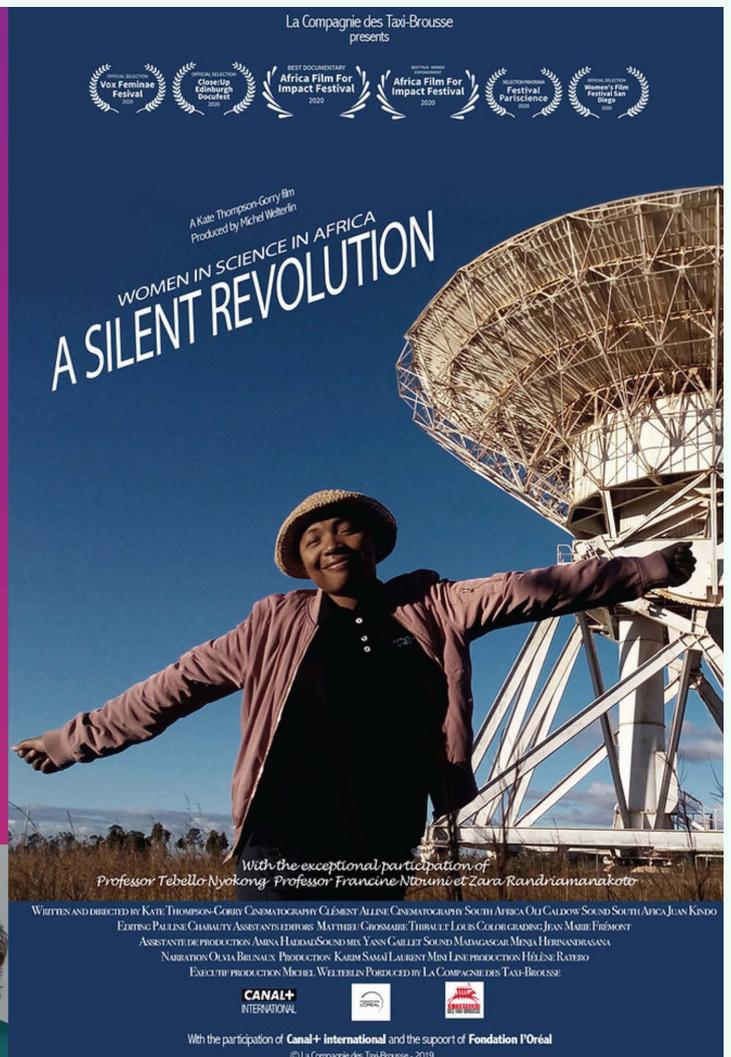
Filmvisning og debatt

Ansatte og studenter ved MatNat fakultetet inviteres til en felles filmvisning med etterfølgende paneldebatt

12. mai, kl 15:25 - 17:30  
Lunshjrommet+ Delta, 4. etasje RFB

Filmen "Women in Science in Africa - A silent revolution" (52 min) starter kl 15:30.  
Vi serverer popcorn og brus

Paneldebatt etter filmen med Bodil Holst (IFT), Ragnhild Gya (BIO) og Simeon Mayala (MI).  
Debatten ledes av Antonella Zanna (MI).



## Vacant positions

PhD Research Fellow in Informatics – 3 positions

[Please find the announcement here.](#) Closing date: 22.05.2022

Postdoctoral Research Fellow position within Informatics – Algorithms

[Please find the announcement here.](#) Closing date: 15.05.2022

PhD Research Fellow in Informatics – energy informatics, optimization and data science

[Please find the announcement here.](#) Closing date: 31.05.2021

PhD Research Fellow in Informatics: Visual Data Science to Master Complex Simulation Ensembles

[Please find the announcement here.](#) Closing date: 14.08.2022

## Open science at UiB

The University Library offers open webinars on the principles of Open Science, and you are all welcome to participate:

[Introduction to DMP](#)

13.05.2022

[Open Access - step by step](#)

03.06.2022

# Upcoming Funding Opportunities

Please contact research coordinator [Stefanie Meyer](#) if you have questions with regard to your **planned and ongoing funding applications** as well as **all contractual work related to external funds**! All applications and agreements/ contracts need to be approved by the department leadership. In addition, you can have a look at our websites for [research support services](#), where you will also find a list of our services.



**Enabling technologies:** There is an open call for Collaborative Projects on [Digital Security and Artificial Intelligence](#), [Robotics and Autonomous Systems](#). “The objective of this call is to develop new knowledge within one or both topics for the call: Digital security and/or AI, Robotics and Autonomous Systems. [...] The project must involve two or more Norwegian partners that are not research organisations. Partners that are not research organisations must together participate with a minimum of 10 per cent of the total project costs.”

Application deadline: open-ended

The call may be closed before summer 2022. If so, RCN will publish this information on their website in due time.



**Young CAS Fellow:** “The aim of the [programme](#) is to support outstanding younger researchers by giving them the opportunity to build independent research networks and gain experience as research leaders.”

Application deadline: 9 June 2022



**Abel Prize:** “The Abel Prize recognises pioneering scientific achievements in mathematics”. For more information, please visit [this website](#).

Nomination deadline: 15 September 2022



**AIM SQuaREs:** [Program](#) “to allow a dedicated group of four to six mathematicians to spend a week at AIM in San Jose, California.”

Application deadline: 1 November 2022



**New Sabbatical:** All at least 50%, permanently employed professors and associate professors can apply for a [sabbatical](#) and, if relevant, related travel funds.

Application deadline: 1 October 2022



**ERC 2023:** The ERC has published tentative application deadlines for the 2023 calls on their [website](#):

- ERC-StG-2023, 25.10.2022
- ERC-SyG-2023, 08.11.2022
- ERC-CoG-2023, 02.02.2023
- ERC-AdG-2023, 23.05.2023



**New COST:** [Funding](#) for interdisciplinary research networks. Covers expenses for networking activities (organization of meetings, training schools, short-term scientific missions, and more).

Application deadline: 20 October 2022

### Horizon Europe Inspiration Workshop

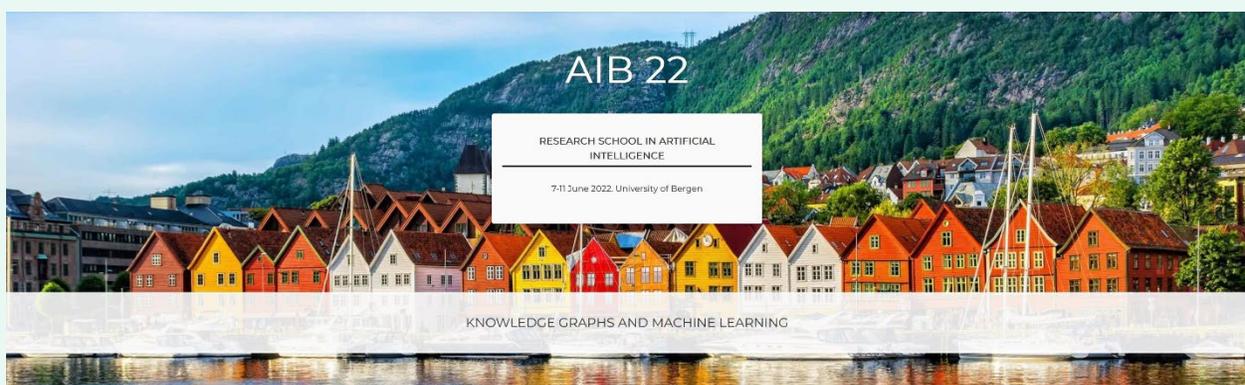
Welcome to Horizon Europe Inspiration Workshop - a follow-up event to the Info Day in January 2022.



Photo: Renate Paulsen

**New** “All UiB researchers are welcome to this event. The programme begins with a brief overview of the different types of funding available for research, innovation, career and networking in Horizon Europe and Erasmus + and how to find them. Researchers and research advisers from UiB share their experiences in talks and panel debates on network building, team building and proposal writing.”

Register (by 10 May) [here](#).



### RESEARCH SCHOOL: AI IN BERGEN

The International Artificial Intelligence in Bergen Research School aims at disseminating recent advances on AI. It is mainly intended for master and Ph.D. students, postdocs, and researchers wishing to learn more about the theme of the research school. In 2022, the broad theme of the school is: Knowledge Graphs and Machine Learning.



Direktoratet for høyere utdanning og kompetanse (HK-dir) inviterer til Panoramaseminar 14.-15. juni 2022. Høgskulen på Vestlandet (campus Bergen) er vertskap for seminaret. Seminaret vil være i moderne omgivelser i HVLs nyeste bygg, K2.

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Register (by 30 May) [here](#).

SCIENCE EUROPE

ABOUT US OUR PRIORITIES WHAT'S GOING ON OUR RESOURCES

PREVIOUS

18-19 Oct. 2022

> Events

**Science Europe Open Science Conference 2022**

Open Science

# NORBIS activities

## NORBIS conference - SAVE THE DATE!

The 8th and last NORBIS conference will be arranged in 2022 at Rosendal Fjordhotell week 43, 24-28 October. More information to come! But for now, save the date!

## Genetic epidemiology and genome-wide association analyses

**Dates:** May 30-June 3, 2022. **Location:** University of Bergen. **Course code:** GENESTAT-B. **Organizers:** Håkon K. Gjessing. **Lecturers:** Rolv Terje Lie (UiB), Anil Jugessur (UiB and FHI), Julia Romanowska (UiB), Øystein Haaland (UiB), Miriam Gjerdevik (FHI), Jon Bohlin (FHI), Yunsung Lee (UiB), Bjørn Olav Åsvold (NTNU), Siri Skodvin (FHI), Marc Vaudel (UiB). **Credits:** 4 ECTS. **Evaluation:** Take-home/written exam at the end of the course.

**Short course description:** The first part of the course will provide a broad overview of genetic epidemiology and statistical genetics, as well as an introduction to necessary software. The second part will cover genetic association analyses in detail: Designs, including case-family trios, case-control, time-to-event etc.; Data handling and basic quality control for candidate genes and Genome-wide association analyses (GWAS); data imputation, selection of informative (tagging) SNPs; Power simulations. Analyses: Basic associations analyses, control for population structure, haplotype reconstruction, risk response models; estimation of maternal gene effects and parent-of-origin effects; X-chromosome models. [More information and link to registration here.](#)

## Statistical methods in relatedness and pedigree analysis

**Dates:** June 13-17, 2022. **Location:** University of Oslo. **Organizers:** Magnus Dehli Vigeland. **Lecturers:** Magnus Dehli Vigeland, PhD (UiO), Thore Egeland, Professor (NMBU). **Credits:** 4 ECTS. **Evaluation:** The students will do a project after the course, delivering a written report within a month. The report will be marked as passed/not passed.

**Short course description:** The course introduces statistical methods used in relatedness and pedigree analysis, with applications in forensic genetics, medical genetics and pedigree reconstruction. The study of genetic relatedness and how genetic information flows in families, is central in a variety of important research fields, including medical genetics, forensics and animal breeding. The aim of this course is to introduce the students to the elegant concepts and results forming the theoretical foundation of genetic relatedness, and to present in some detail several modern applications. In the exercises we use R and the ped suite packages for pedigree analysis. [More information and link to registration here.](#)

## Summer school: Collaborative scientific software development

**Dates:** June 20-July 1, 2022. **Location:** University of Bergen. **Organizers:** David Grellscheid, Digital Lab UBB. **Lecturers:** David Grellscheid (UiB), Ivan Giroto (International Centre for Theoretical Physics, Trieste, Italy), Ali Farnudi (ENS Lyon, France), Korbinian Bösl (UiB). **Credits:** 3 ECTS. **Evaluation:** Participants are expected to attend all 10 days. In the second half of the summer school, you will work in small groups on a project that you will present on the last day.

**Short course description:** The aim of this summer school is to give an introduction to topics that go beyond the initial knowledge of reading and writing code. How do you design programs that are modular and reusable by others? How can libraries in different languages be used together? What are tools that can help in documenting and testing code? How can development and releases be managed in group projects with multiple authors and multiple users? In a mixture of talks and many hands-on sessions we'll try to address this next step. In the second half of the workshop, you will work in small groups on designing and writing a new project from scratch, giving you direct experience of having to rely on other people's code. [More information and link to registration here.](#)

