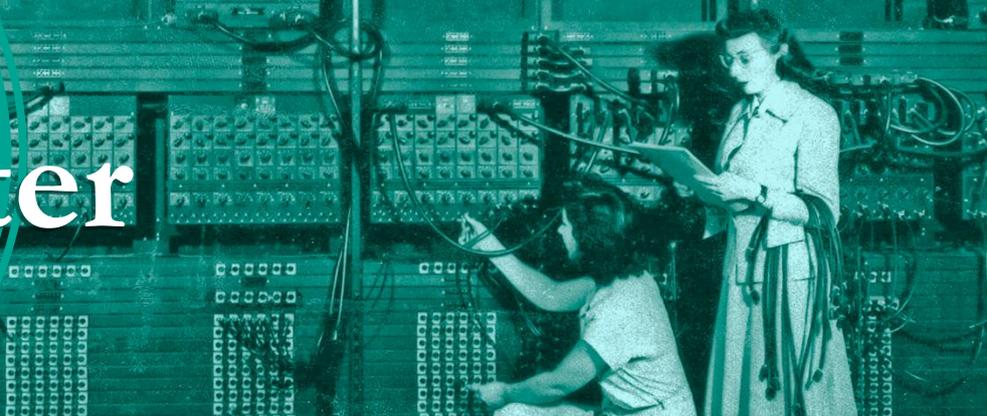


Newsletter

DEPARTMENT OF INFORMATICS, UIB

No.08/2022, 22.04.2022



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

Dear Colleagues,

As the deadline for applying for admission to our study programs was on Wednesday this week, we are excited to see the number of students applying for our programs this year. I expect we will get the number of applicants having ranked each of our study programs on top any day now, but we need to keep in mind that the applicants are able to change their prioritization until beginning of July – so only then we will have the final numbers.

This weekend I look forward to the big event at Marineholmen where the whole Faculty of mathematics of natural sciences will take part and engage families, kids, and everybody interested – helping them to learn about many interesting things going on here! I do hope you will take part – and help this become a lively event! Myself I hope to get the chance to learn new things and meet new colleagues on Saturday – and of course I hope to see you there!

A big shout-out also to Frances Rosamond and co, who has organized the (still ongoing) International Conference on Creative Mathematical Sciences

Communication. I´m really impressed by the creativity and energy of the event!

Thursday I attended a very interesting Department seminar about machine teaching. I would like to thank Jan Arne and Mikhail for the excellent work that they have done organizing this seminar series! It is important for the department that we gather across the groups and the seminars give an opportunity to discuss science and research – on a regular basis. I would encourage everybody to attend these seminars when at all possible!

I hope you also take the opportunity to enjoy Bergen in nice weather – and take the opportunity to do hikes and explore the many mountains and hiking tracks in the area!

I wish you all a very nice weekend!



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:

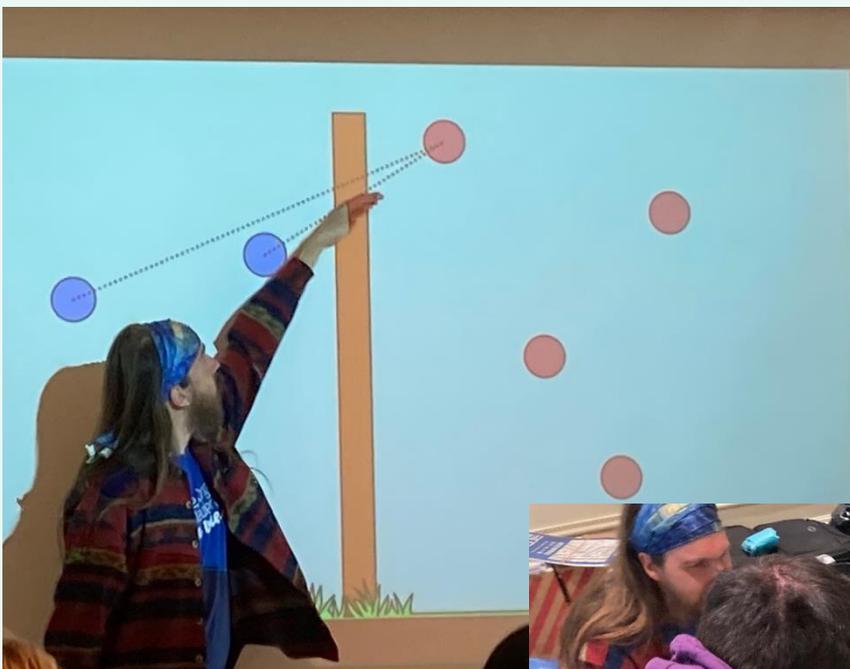
[«Vi skal vise betydningen av realfagene gjennom å arrangere en folkefest med kunnskap i sentrum»](#)

CMSC 2022

The Conference on Creative Mathematical Sciences Communication is still going on, but has so far been a great success, with participants from over 12 countries!

It's still possible to join the theatre play tonight, 18:00 at Korskirken

The theater production with algorithmic thinking **"MYSTERIES FOR EASTER"** is created by Verena Specht-Ronique (Berlin) and Matthias Mnich (TU Hamburg). It will be at *Korskirken Church*, Nedre Korskirkeallmenningen 20 (near the fish market). This is an open event for all who want to join, even if you haven't been to any other CMSC event.



Centre for Excellence in Education

This Wednesday, this wonderful team submitted an application for a new Centre of Excellence in Education (SFU)!

As digitalisation is increasing in society and high school pupils are getting more informatics exposure, our education must follow suit! Our SFU application with acronym ScaleIT will help us lead the way!

We hope Diku (very short for Norwegian Agency for International Cooperation and Quality Enhancement in Higher Education) will fund our project, but either way we would like to thank the people who have put so much effort into investigating opportunities in our educational practices.



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](#).

Current Issues

Short overview of upcoming department events:

20-23 April	6th Creative Mathematical Sciences Communication conference (CMSC'22) in Bergen
5 May	Fire safety course
13 May & 13 June	Faculty and Staff lunch, in Skogen (4 th floor)

“OPPLEV på Marineholmen”



On **Saturday 23 April**, it will be crowded in Marineholmen in Bergen. The University of Bergen has just turned 75, and we are focusing ahead on the next 75. Welcome to the festival in the area around VilVite!

Our department will be well represented in the “Tech and gaming” section of the festival, and our students will be representing our artistic prowess with a performance by The Informatics Band on Stage 1 at 13:00.

[Read more about the festival and activities](#)

Get ready for summer

Please remember to register the dates for your summer holiday on DFØ **before the 1st of May**. [Here's how you do it.](#)

You can change the dates after you have registered them, the most important thing is that there is something registered by the 1st of May. If you haven't done it by then, Randi may show up in your office when you least expect it and stand over your computer while you do it. Please don't make her look at all the embarrassing tabs you haven't closed: Just register your holiday.



The Christie Conference 2022

Invitation:

Kjære alle studenter og kolleger,

Tirsdag 26.april arrangeres Christiekonferansen for ellefte gang ved Universitetet i Bergen.

Årets tema er «Skeiv identitet som politisk valuta» og vi spør:

Hvilke erfaringer har samfunns-, kultur- og næringsliv i Norge med LHBT-politikk? Er det samsvar mellom profilering og praksis, eller ser vi tendenser til rosavasking?

Hva har et polarisert debattklima, som er særlig utbredt internasjonalt, å si for LHBT-politikken, og hvilket ansvar har Norge i verden?

Programmet finner du her: [Program for Christiekonferansen 2022 | Christiekonferansen | UiB](#)

Det er fremdeles noen ledige plasser til å delta fysisk på konferansen i Universitetsaulaen, og det er også mulig å melde seg på til digital konferanse.

Med vennlig hilsen

Margareth Hagen
rektor



Research School: AI in Bergen

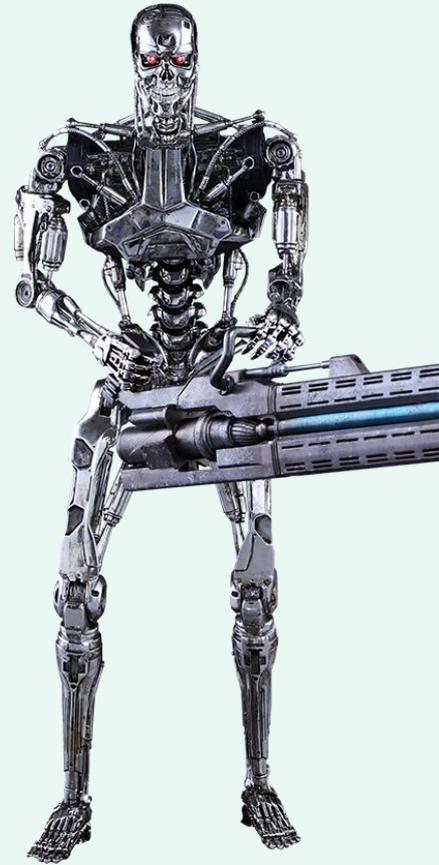
The Research School in Artificial Intelligence will be held at the University of Bergen 7-11 June.

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 Annual Conference 2022

From NORA: «We are happy to announce that the NORA Annual Conference 2022 will take place in Stavanger, 9-10th of June!

The conference will take place at the Radisson Atlantic Hotel in Stavanger. Registrations are now open!

Registration deadline: May 25th

[Read more and register here.](#)

Kunnskapseplet

The Mathematics and Natural Sciences Library have monthly popular science talks. The aim of these talks is to provide an informal arena for students, PhD students, researchers, and other staff to share their work or talk about a topic they are passionate about. The events will last 30-45 minutes, depending on the length of the presentation. [Read about Kunnskapseplet here.](#)

Next talk: Torsdag 19. mai: Bergens ferskeste og strålende legemidler (in Norwegian)

Newsletter about career opportunities [NO]

[UiB Ferd](#) har etablert et nyhetsbrev med informasjon om karriereutviklingstilbud for yngre forskere og vitenskapelig ansatte ved Universitetet i Bergen.

Meld deg på nyhetsbrevet ved å [fylle ut dette skjemaet](#).

UiB Ferd karrieresenter støtter doktorgradskandidater, postdoktorer, forskere og førsteamanuenser. Du kan få hjelp til å utvikle din karriere innenfor og utenfor universitetet, gjennom kurs, samtaler og mye mer.

National science week



“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.](#)

Welcome to Yoga on Wednesdays!



Illustration: Your body after a single yoga session

Yoga is a great way to reduce stress and tensions from work. Yoga classes are held at our department on Wednesdays at **2:00 p.m. to 3:00** pm at the CBU seminar room in 5th floor.

Our professional yoga instructor, Kjersti Næss, is teaching in English. No signing up, and no participation fee. Please bring your own yoga mat. We also have some mats for loan. All employees are welcome – also those of you who never tried yoga before.

And remember: When you are too busy to go to the yoga class – then is when you need it the most!

Meeting rooms from GC Rieber

GC Rieber has opened a new meeting centre on Marineholmen. This can be a good alternative to renting conference rooms in hotels or similar, if none of our internal rooms are free.

[A list of the rooms and the relevant contact info is available here.](#)

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).

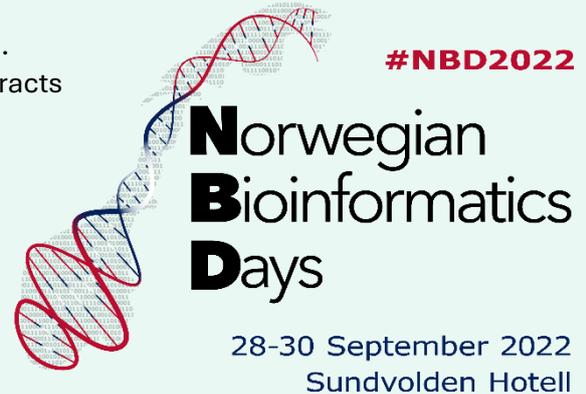
This meeting aims to gather people who work with bioinformatics in Norway for three days of research sharing and networking. Hear from several internationally interesting keynote speakers and get an insight into the supporting infrastructure and activities within bioinformatics and computational biology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

Visit the website <https://norbioinfo.no/> 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 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.

Updating your page on UiB

Are you sick of the first google result when someone searches for you being that one photo where you're passing the finishing line of Stoltzekleiven Opp, looking sweaty and gasping for air? Luckily, you can present yourself in a whole new way by updating your UiB profile page.

[Påhoyden.no](#) has made a new guide to help you make the perfect UiB profile page [here](#). There is also an existing guide in English [here](#).

Upcoming Funding Opportunities



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 the end of 2022. If so, RCN will publish this information on their website in due time.



New 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



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



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



Proof-of-Concept: “The purpose of a [Proof-of-Concept Project](#) is to reduce the project’s uncertainty relating to technology and the market. The goal is that when the Proof-of-Concept Project is concluded, the most critical questions and uncertainties have been clarified, so that the next stage of the commercialisation process can begin.”

Application deadline: open-ended



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

Nomination deadline: 15 September 2022

*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.*



New UiB Global Challenges: UiB has **extended the deadline** for its cross-faculty call within “Global Challenges” (sub-topics migration, health and inequality). Funding covers costs for meetings, seminars and travels needed to develop cross-disciplinary research and/or education activities. For more detailed information, please contact Stefanie Meyer.

Application deadline: 11 May 2022, 10 am



Science advice under pressure: “Science advice must deliver fast. But this challenge puts science for policy under pressure. [...] This major public conference will bring together policymakers, science advisors, researchers and other professionals.” **27-28 April 2022, Brussels and online.** More information [here](#).

International Artificial Intelligence in Bergen Research School (AIB 22): AIB 22 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.” **7-11 June 2022, Bergen & online.** Register [here](#).

Norway Summit: “Norway Summit is part of the world's most innovative chess tournament, Norway Chess. [...] The Summit creates an arena where world-leading thinkers, innovators, investors, premise providers, decision makers as well as leaders of tomorrow meet to share and exchange knowledge.” **8 June 2022, Stavanger.** More information [here](#).

NORA Annual Conference 2022: “The conference aims to gather the Norwegian research community within the field of Artificial Intelligence”. **9-10 June 2022, Stavanger.** Register [here](#).

Nordic AI Meet 2022: “The main purpose of the symposium is to provide a platform for young AI researchers to exchange ideas, build collaborations and form a Nordic approach to building AI solutions for the societal good.” **14-15 November 2022, Oslo.** Abstract submission deadline: 15 August 2022. Register [here](#).

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!

Machine Learning in Medical Bioinformatics

Dates: May 2-6, 2022. **Location:** Linköping University, Sweden. **Course responsible:** Björn Wallner. **Lecturers:** Björn Wallner, Claudio Mirabello, Manuela Zucknick. **Credits:** 5 ECTS.

Short course description: This workshop will consist of a mix between research talks, the theory behind the research, and actually applying the theory yourself in practical exercises. Topics discussed during the workshop: unsupervised and supervised learning and various machine learning techniques, ranging from linear models, support vector machines, random forests, neural networks, and deep neural networks. Pre-course assignment must be completed before the course start. [More information and link to registration here.](#)

Sequence comparison and database search

Dates: May 9-13, 2022. **Location:** University of Bergen. **Course code:** NORBIS901. **Organizers:** Inge Jonassen, Cedric Notredame. **Lecturer:** Cedric Notredame, Center for Genomic Regulation. **Credits:** 5 ECTS. **Evaluation:** The students will sit through a two-hours written exam. In addition, the written report will need to be approved.

Short course description: This course provides insight into methods for analyzing biological sequences. Its goal is to present an overview of some advanced concepts of sequence alignments and some of their applications with a strong emphasis the algorithmic homology based multiple sequence alignment modelling, one of the most widely used method in biology. The first part is dedicated to molecular evolution, in the second part we will cover the pairwise and single sequence analysis, and the third part of the course will deal with Multiple Sequence Alignment algorithms of both RNA and Protein sequences. [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 Girotto (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.](#)



Open Science at UiB

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

Finding & reusing research data	22.14.2022
Introduction to DMP	13.05.2022
Open Access - step by step	03.06.2022

Read about Open Science policy and opportunities:

UiB's Policy for
Open Science

UiB Publication
Fund

Open Access
Publishing
Deals

Open Access –
What, why and
how

Data
management
plans

Vacant Positions

Postdoctoral Research Fellow position within Informatics - Optimization

Please find [the announcement here](#). Closing date: 30.04.2022

Postdoctoral Research Fellow position within Informatics – Computational Biology and Machine Learning

[Please find the announcement here](#). Closing date: 30.04.2022

Postdoctoral Research Fellow position within Informatics – Algorithms

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

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

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



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