

THE COSMIC DAWN CENTER NEWSLETTER

Date: January 2021

1ST AUTHOR'S PUB CLUB

1st Author Seiji Fujimoto (along with several other DAWNers) discovered an apparently very bright, but intrinsically very faint galaxy at a distance of 28 billion lightyears.

With this publication, Seiji becomes a membership of the 1st Author's Pub Club. Congratulations & Welcome!

[ALMA Lensing Cluster Survey: Bright \[Cii\] 158μm Lines from a Multiply Imaged Sub-L? Galaxy at z= 6.0719](#)

UPCOMING WORKSHOP

**WHERE THE EARTH MEETS THE SKY
27-28 MAY 2021**

Cosmic DAWN Center – DTU Campus

This inter-disciplinary workshop aims at bringing together researchers from Astrophysics and Medical/Public Health Sciences, to discuss the statistical and machine learning methods that are transforming both fields and how such methods may be transferred from one field to the other.

Registration and abstract submission are now open on this [website](#).

In addition to a virtual platform, a venue in Copenhagen (Denmark) will be available if on-site attendance is allowed. We look forward to meeting you either way!

Deadline 1 March: Abstract submission
Final program announced by 15 April

Deadline 15 May: Registration
Workshop starts on 27 May

Contact **Iary Davidzon**
iary.davidzon@nbi.ku.dk for more information and questions.

PHD SCHOOL OF SCIENCE



HAPPY NEW YEAR FROM YOUR LOCAL PHD SCHOOL

The PhD School of SCIENCE organizes training and education of researchers within all areas of science, with a view to ensure the highest scientific level among the next generations of researchers.

The PhD School aims to train PhD candidates with all the required scientific skills plus complementary competencies at the highest level.

As an enrolled PhD student, PhD supervisor or other PhD staff, you can find more information about the PhD School, rules, forms, courses etc. [here](#) in the PhD January's newsletter.

All PhD defences are to be held virtually from now until 1 April.

GDPR – MANDATORY FOR ALL PERMANENT AND SENIOR STAFF

All staff that come into contact with personal information about other staff must take an online course on how to handle such data.

This is a UCPH leadership decision, and there is no appeal or opt-out.

At the NBI we translate this to all leaders, admin staff and assistant professor, associate professors, full professors. The course takes approximately 1 hour, and can be accessed here: [DK](#) or [ENG](#)

COVID-19 UPDATE

“Courses and exams must be held online, and campus areas will be closed for the first part of 2021.”

This has been decided by Rectorate in relation to planning of activities in the coming months and in view of the current lockdown.

Restrictions on classes and exams are extended until 1 April. [See news story.](#)

Most exams scheduled for January have been converted to online except for a few exams at the exam house on Peter Bangs Vej. If you have been instructed to attend an exam there, kindly do so.

Students may only be on campus for exams or classes that require in-person attendance or to visit the libraries. Everyone must wear a face mask when on campus. Employees are to work from home unless they perform critical tasks.



Distancing requirements

were raised from 1 to 2 meters under the restrictions imposed by the government on **5 January**.

Rules on business travelling

were tightened effective **14 January**. All travelling abroad is now subject to approval by the faculty director prior to departure. This currently applies until **7 February**.

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INSTRUCTOR AWARD

DAWN's Collaborating Student Albert Bjerregaard Sneppen receives the Niels Bohr Institute's Instructor Award for block 3 + 4.



This is the seventh time the prize for best instructor at the Niels Bohr Institute has been awarded and this time it goes to graduate student Albert B. Sneppen, who has taught the course Electromagnetism in block 4 2020. All teaching took place online.

The purpose of the award is to highlight particularly inspiring teaching, both for future instructors and for the students who, through their course evaluation, have helped to nominate the recipient.

Among other things, Albert made several short videos where he went through basic concepts. Many students mention in their evaluation Albert's ability to understand what was difficult, and that they clearly felt that he wanted the best for them. The prize was awarded on Friday 8 January at an online meeting of the NBI's Education Committee.

Unfortunately, the big hiking trophy could not be handed directly over to Albert, but his name will be engraved on the trophy and he will be duly celebrated when we are back at the institute.

FUNDING AWARDED

Charlotte Mason, Center for Cosmic DAWN, the Niels Bohr Institute receives Villum Young Investigators Award 8M DKK

VILLUM FONDEN received 161 applications for the program. The 19 researchers selected went through a process of academic evaluation and interviews with the foundation's scientific committee as well as final approval by the foundation's board. DAWN is proud to announce that Dr. Charlotte Mason was one of the 19 researchers to receive funding for her **project**:



Understanding the First Billion Years

The first stars, black holes and galaxies are too faint to detect directly, but they transformed the early Universe by heating and ionizing their surroundings. This phase transition is key to understanding how the first structures formed but is not well-constrained. This project will develop theoretical models and statistical tools to analyze telescope observations to measure this transition and uncover the Universe's 'Cosmic Dawn'.

The grant will fund one PhD student and two postdocs. We look forward to welcoming Charlotte to DAWN later this spring.

SALARY REGULATIONS FOR STATE EMPLOYEES

Employee Guide 18 January 2021

The salaries for public sector employees follow the development of salaries in the private sector, also when the developments are lower than expected. Therefore, the salaries for state employees will be reduced by 0.25% as of 1 February 2021.

Update 21 January 2021:

The Danish Employee and Competence Agency has announced that the salary regulation will be put on hold due to an error in the data on which the salary calculation has been based. When the error in the data material has been rectified, the final regulation percentage will be calculated. The regulation of salaries will be made in a future payment, retroactively as of 1 February 2021.

The salaries for employees who start working at UCPH on 1 February 2021 will also be regulated.

[Read the full article here.](#)

THE COSMIC DAWN CENTER

NEWSLETTER

WELCOME AND FAREWELL



Welcome to Pascal Oesch who has been an International Associate of the Cosmic DAWN Centre from the beginning! As of 1 January, he officially join DAWN as an Associate Professor. Additionally, he is an Assistant Professor at the University of Geneva, where he leads a research group "Galaxy Build-up at Cosmic Dawn".



Welcome to PhD student Joonas Vuiho who also started at DAWN on 1 January. Joonas is advised by Professor Johan Fynbo and has collaborated with him as a member of the NOT Transient Explorer (NTE) development team. In his PhD, he will demonstrate performance of a new type of echelle spectrograph and its use for astronomical observation.



Farewell to Dorte Christiane Garde Nielsen! Dorte started at DAWN in November 2019 and served as section secretary until December 2020. She started a new position as secretary at Quantum Optics on 1 January. We thank Dorte for her support and wish her well in her new position.

EXERCISING WITH THE BAND

Working out as little as two minutes a day with an exercise band can significantly reduce muscle pains or prevent them from occurring. Not only is a 2minute work out good for your health, but it is a activity that we can do over ZOOM to stay socially connected and can be a lot of fun.

I will place an order for a variety of the bands in different strengths and you can stop by my office to pick one up. I would like to have our first session at our next team meeting on 3 February. Your feedback is welcomed. In the meantime, check out this [SUND link](#) with 2-minute training programs to help you become familiar with the exercises.

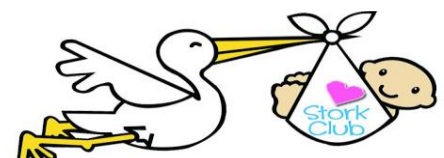
1 BIRTHDAY AND 2 BIRTHS

Happy Birthday to Caitlin Casey who celebrated her birthday on [REDACTED]
[REDACTED]
[REDACTED] Brendan Bowler celebrated the birth of their daughter Io Halcyone Bowler. Her first name comes from the first moon of Jupiter (and is pronounced "eye-oh"). Her middle name is the brightest star in the Pleiades, whose Greek mythology is the origin of the term "halcyon days," or the calmest two weeks of winter near the solstice.



On [REDACTED] weighing in at 3.4 kilos, Alfonso Tobar Lagos decided that he could not wait until his due date [REDACTED] to meet his parents Claudia Lagos and partner Rodrigo Tobar. As you can see from the photos, the ladies are up walking and pushing strollers.

How cozy it must be when 2 becomes 3!



CONGRATULATIONS TO ALL!

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NEWSLETTER

SCANDINAVIAN WINTER: HOW TO SURVIVE WINTER SCANDINAVIAN STYLE

Winter is not always a comfortable experience. Darker days and colder weather create a sense of melancholy that can linger over an entire population and often causes depression.



However, if you visit the [Nordic region](#), you'll find that there is a vastly different attitude towards winter. Scandinavian winter is a unique experience that is much more light-hearted and fun than you would expect from winters elsewhere in the world.

Scandinavian winters are often a lot harsher than the cold seasons elsewhere and some locations get up to 20 hours of darkness a day. Moreover, temperatures drop to levels that would be practically impossible for many people to find comfortable. Yet snowfall continues to decrease.

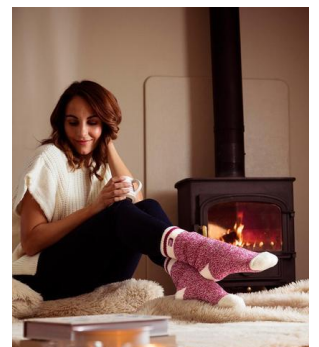
So, how exactly do the Scandinavians deal with such a difficult season? And can we learn how to survive winter, Scandinavian style? Because Nordic people have grown up with cold-weather most of their lives, they have become accustomed to the lack of daylight and have developed their own ways of coping. Winter is also the perfect opportunity to [embrace the concept of hygge](#). In other words, if you prefer not to go outside and enjoy the snow, then you can snuggle up indoors with a good book, hot chocolate, a cup of coffee, or something else to warm your stomach and soul.

Another huge benefit of Scandinavian winter is that it comes with some beautiful natural events. One example is [the Northern lights](#), which you can see in various parts of Scandinavia at all times of the year, but they are most visible during wintertime. For the Scandinavian people, winter is a time to get cosy and enjoy the wonders that their beautiful and unique landscape and a crystal clear night sky can bring.

In my opinion, the key to a successful Scandinavian winter is usually the right attitude and the right garments. In other words, you will need to focus on finding ways to stay as warm and comfortable as possible in the cold dark days.

1. INVEST IN THE RIGHT SCANDINAVIAN FASHION

[Scandinavian fashion](#) is popular for a lot of reasons. Mostly due to a laid-back aesthetic style and minimalist approach that works for a lot of people. However, during Scandinavian winter, the best clothes are practical items. For example, [Icelandic sweaters](#), featuring a unique kind of wool that is perfect for maintaining heat while keeping your body from sweating excessively. Outdoor clothes also are made with waterproofing elements to protect from winter dampness. Try layering more clothing to give yourself a relaxed and warm outfit that you can adapt to. Don't forget to pay attention to your socks, too. The Scandinavian people love having a good pair of [thermal socks](#) to warm their toes, whether they are in the office or at home.



2. TRY GETTING OUTDOORS

For most people, the instinct during the colder months of the year is to get home and bundle up in the warmth. This is definitely an idea that works with Scandinavian winter survival methods — but it's also worth enjoying the outdoors if you can. Getting outside is a good way to fill your lungs with fresh air and discover new ways to enjoy the season. If you have the right clothing, then you can go exploring without feeling too much of the chill. So, I would say that surviving the beautiful (but cold) Scandinavian winters require the right clothes and a whole lot of hygge.