

Date: 23 March 2023 12:30-2:00 p.m.

Venue: 1520-737 (Sky Lounge)

Topic: Research Committee at Nat – 2nd meeting 2023

Participants: David Lundbek Egholm (NAT, chair), Anders Møller (CS), Angela Fago (BIO), Brad K. Wray (MATH), Kurt Vesterager Gothelf (iNANO), Steen Hannestad (PHYS), Søren Munch Kristiansen (GEO), Thomas Poulsen (CHEM), Torben Heick Jensen (MBG), Astrid Kligen (NAT, minutes)

Cancelations: --

Guest: Kristian Mørch Abell (Nat) for item 3

Minutes (approved)

12:30 – 12:35 (5 min)

1. Welcome and approval of agenda

David opened the meeting. The agenda was approved.

12:35 – 12:50 (15 min)

2. New Research at MATH by Brad

Brad presented research activities at MATH (slide deck attached).

12:50 – 13:10 (20 min)

3. Career at Nat

Guest: Kristian Mørch Abell, advisor in the Dean's Office at Nat

Nat's new career development site is soon to be launched, with researchers as main target group. Kristian will present the site and collect feedback from the committee. For your eyes only, a preview is available via <https://nat.au.dk/om-fakultetet/karriere>.

David introduced the topic: Nat strives to increase transparency concerning career paths and awareness for career development support. A career website is the central measure to increase visibility, and an important anchor point for other measures.

Kristian introduced the site setup. For the time being, the focus group is scientific staff, including both Nat employees and external users, i.e. potential new recruits. The site is structured by types of positions and contains both general information ("Nat in numbers"), tools for career planning and decision making, and alumni portraits showcasing different career paths. Further portraits, and events, are in preparation.

The committee provided the following feedback:

- Postdoc abroad as next career step after a PhD at Nat should preferably be communicated more boldly.
- The advantages of international mobility can be highlighted without making mobility condition for recruitment, e.g. as "Many of the associate professors/professors employed at Nat have developed their career through a long-term stay abroad".
- The generic description of the postdoc position does not take the diversity of scientific fields into account (e.g. concerning "typical" duration of postdoc position). Links to career sites hosted by the departments might provide a workaround.

- The term “tenured” might provoke misunderstandings, “time-unlimited” could be an alternative.

13:10 – 13:20 (10 min)

4. D NRF Centres of Excellence – preparations for 2023 call

Attachment: D NRF’s call

Attachment: Process plan from RSO

The call text and process plan for the next round of D NRF centres of excellence are now available – deadline for outline proposals (1st stage) is 4 December. Departments should start their preparation now, and nominate their best teams (max. 2-3) to participate in sparring sessions with a small panel after the summer break. Departments should contact Astrid if the nomination deadline on 15 June cannot be met.

13:20 – 13:40 (20 min)

5. Innovation Fund – preparations for 2023 calls

Innovation Fund will again be responsible for distributing a large share of the Danish “research reserve” funds (<https://innovationsfonden.dk/en/news/agreement-research-reserve-new-money>), and 1 June is the deadline for this year’s Grand Solutions Call. How can we raise awareness and support preparation of successful applications, now and in coming years?

Over the past years, Nat has submitted only relatively few proposals to Innovation Fund. In the light of the ever-growing importance of Innovation Fund Denmark (IFD) in the national funding landscape, it seems worthwhile raising awareness and removing potential boundaries. The Research Support Office (RSO) has dedicated staff who specialise on, e.g., the Grand Solutions funding instrument. CS is in the process of identifying ways to increase their share of IFD grants. These experiences could feed into supplementary action at faculty level, in cooperation with the Research Support Office and IFD, e.g. showcasing successful applications.

13:40 – 13:55 (15 min)

6. News from members

- *DFP/IRFD call for candidates – board and expert committees*
The departments are asked to nominate candidates for IRFD’s expert committees (FNU, FTP and FSS), also for scientific fields covered by an expert who can be reappointed. Deadline: 13 April.
- *Danish Universities working group: how to merit researchers for knowledge transfer, including collaboration with industry, public sector consultancy, entrepreneurship and outreach*
Danish Universities is working on guidelines for meriting researchers for industry collaboration, entrepreneurship and other forms of knowledge transfer. A draft of the guidelines will become available soon.
- *First meeting in FISU (Research Information Security Committee @ Nat)*

Nat's new Research information security committee has met for the first time beginning of March. All departments are represented in FISU, Anders has been elected chair.

- *MSCA master class 2023*
12 candidates have been nominated, all of them will be offered a spot.
- *Research Evaluation at AU*
Research Evaluation at AU is now scheduled for 2024/2025. The committee will be asked to comment on a draft schedule in June, and discuss the actual framework (criteria, guidelines, templates etc.) after the summer break.

13:55 – 13:55 (0 min.)

7. Written briefings

Attachment: Minutes from last meeting (approved)

Attachment: Upcoming funding deadlines

13:55 – 14:00 (5 min.)

8. AOB

- Next meeting: Thursday 6 June 12:30-2:00 p.m. Suggestions for the agenda: MSCA master class evaluation, visit by Lone Ryg (AU's director for innovation and enterprise), NNF portfolio of fundings instruments, AI and thesis writing (chatGPT)
- BIO is looking for ways to acknowledge postdocs for teaching and other activities, which are not strictly research project related. The issue has earlier been raised in the context of career development work at faculty level. Astrid will follow up and get in touch with Angela.

INSTITUT FOR MATEMATIK

THE MATH DEPARTMENT



CIGR 2016 - AARHUS UNIVERSITY MAP

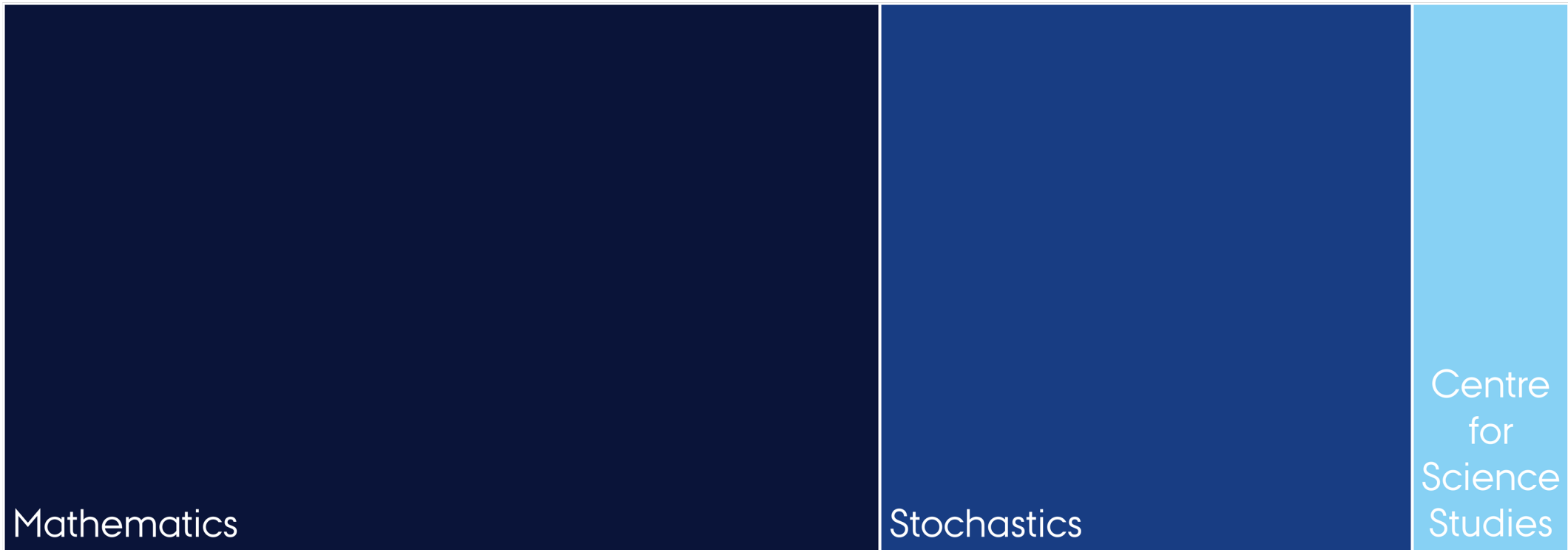


A TYPICAL LAB IN MATH

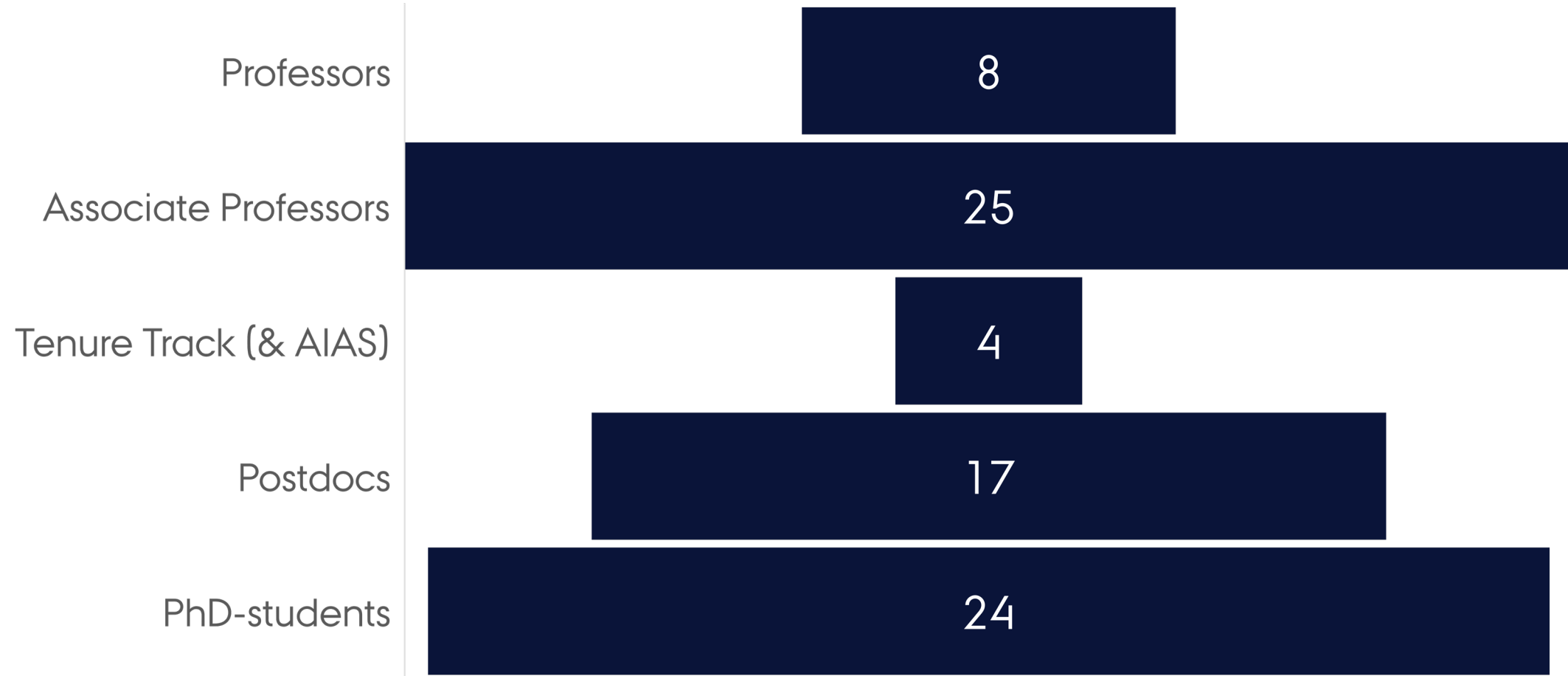
The Math Lab



THE MATH DEPARTMENT: THREE SECTIONS



THE MATH DEPARTMENT: STAFF



RECENT RESEARCH

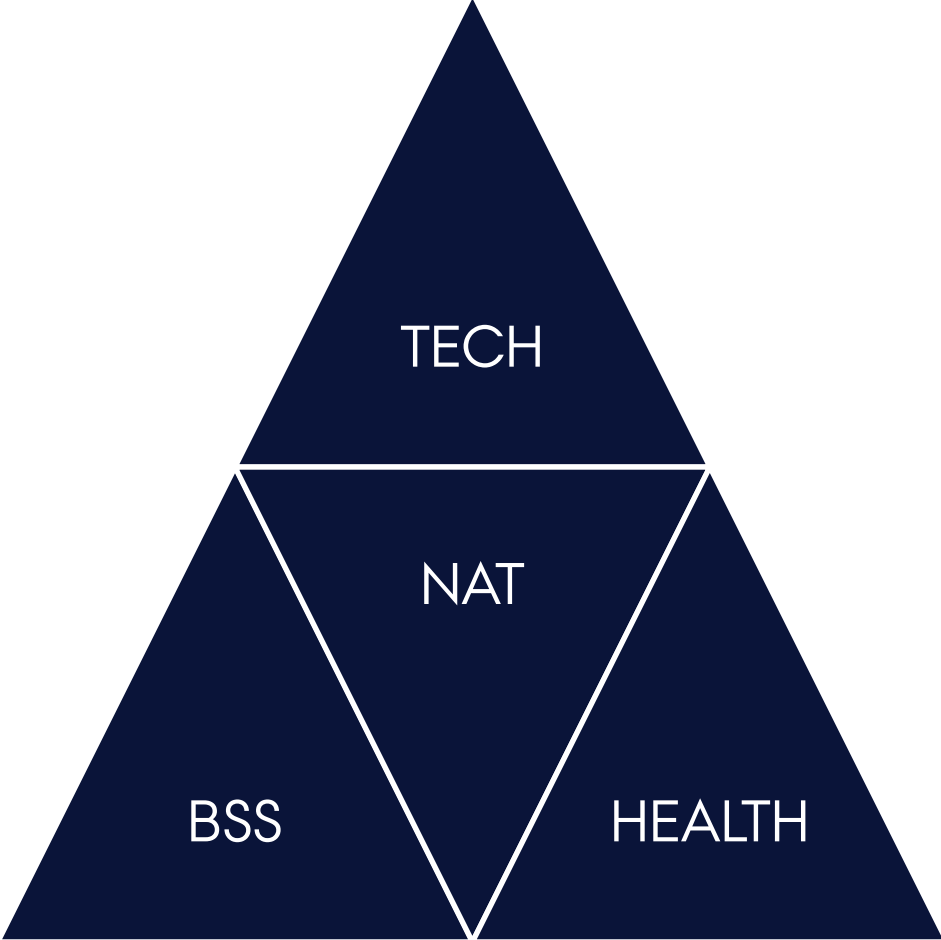
Paul Nelson has recently “solved a version of the **subconvexity problem**, a longstanding question related to **the distribution of prime numbers**” (see Hartnett 2022).

His solution brings us “one step closer to understanding **the Riemann hypothesis** and **the distribution of prime numbers**” (Hartnett 2022; <https://www.quantamagazine.org/mathematicians-clear-hurdle-in-quest-to-decode-prime-numbers-20220113/>).

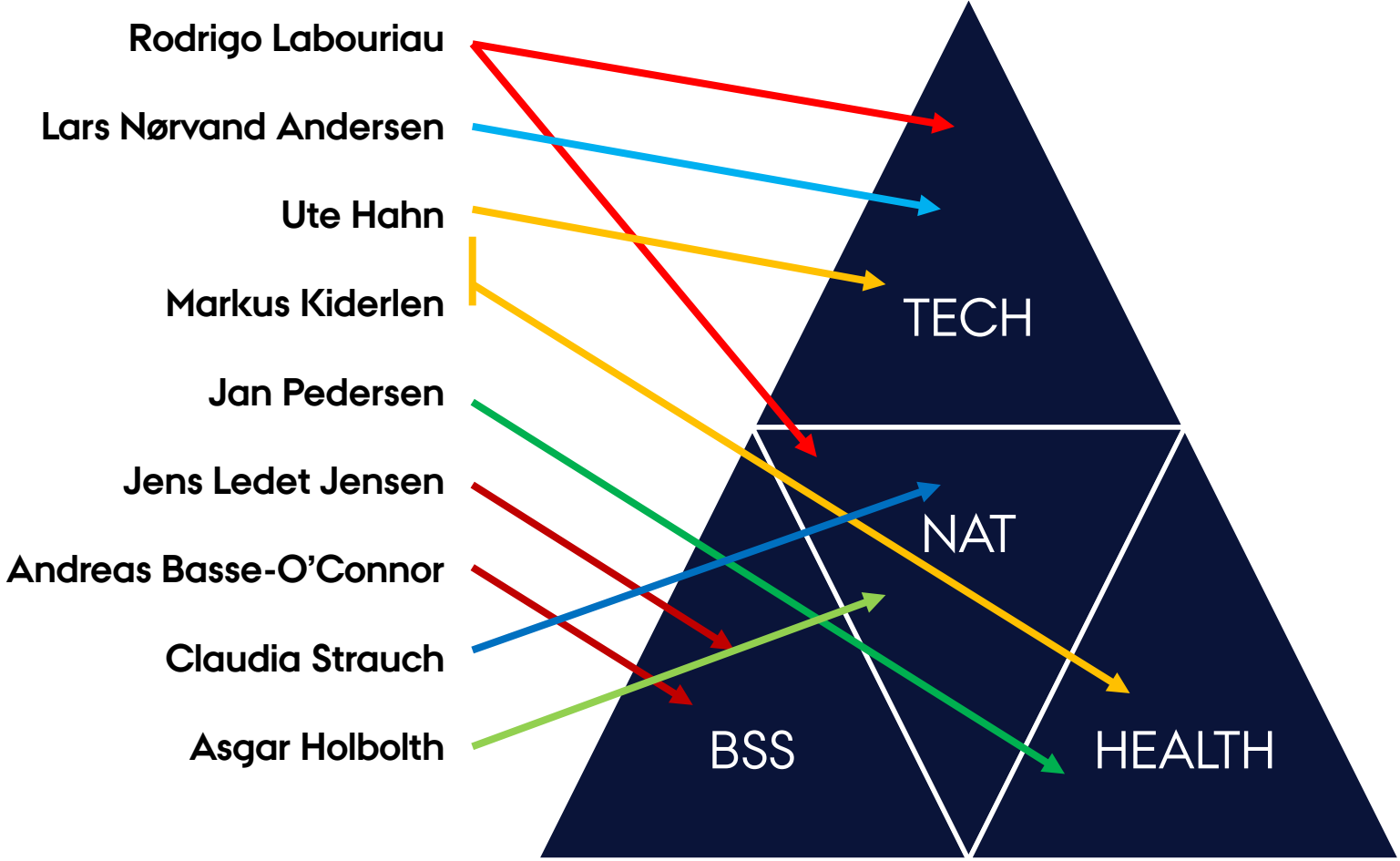


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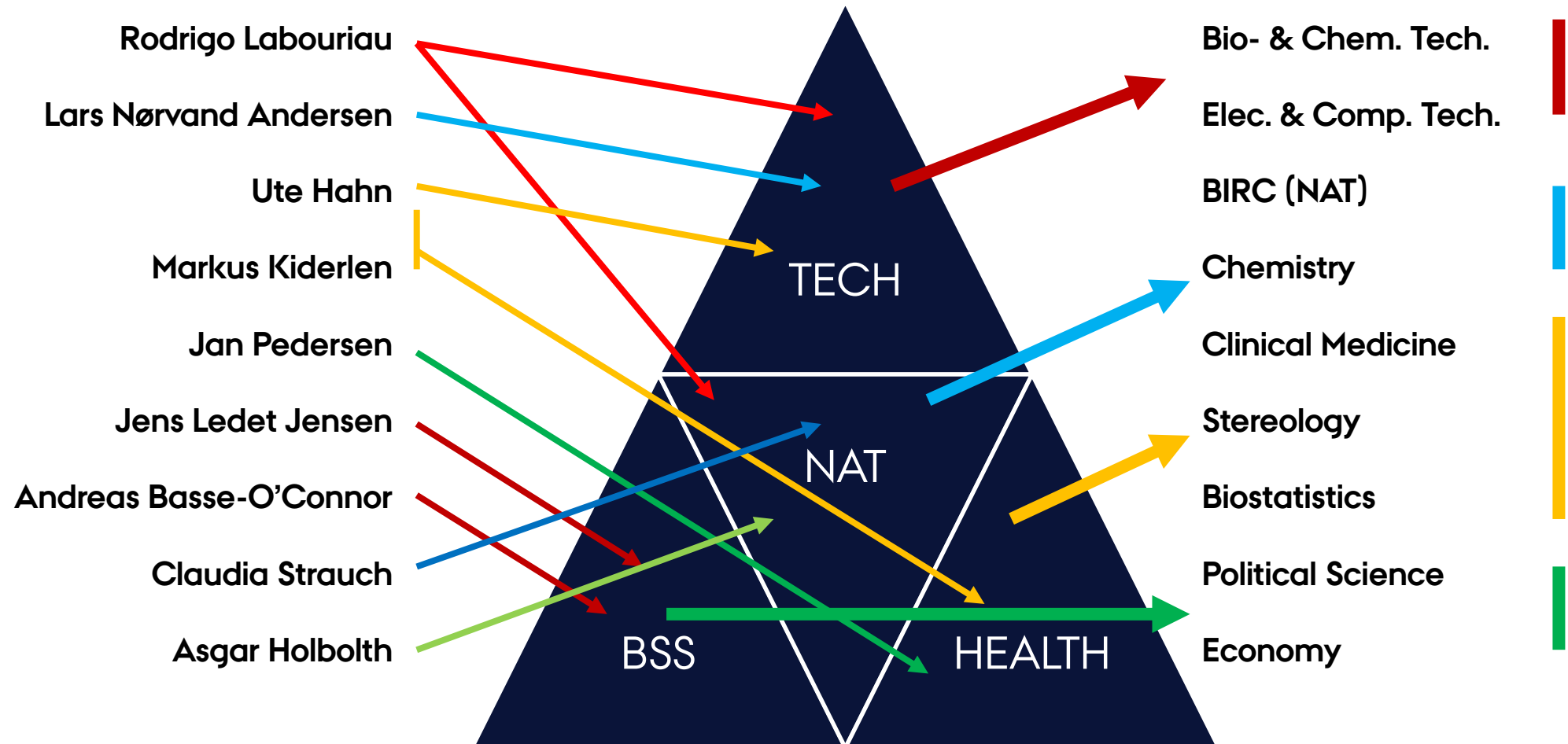
COLLABORATIONS IN STOCHASTICS



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CITIZEN SCIENCE: PATTERN

PATTERN is funded by a **Horizon Europe Grant** and includes a **consortium of institutions across Europe**.

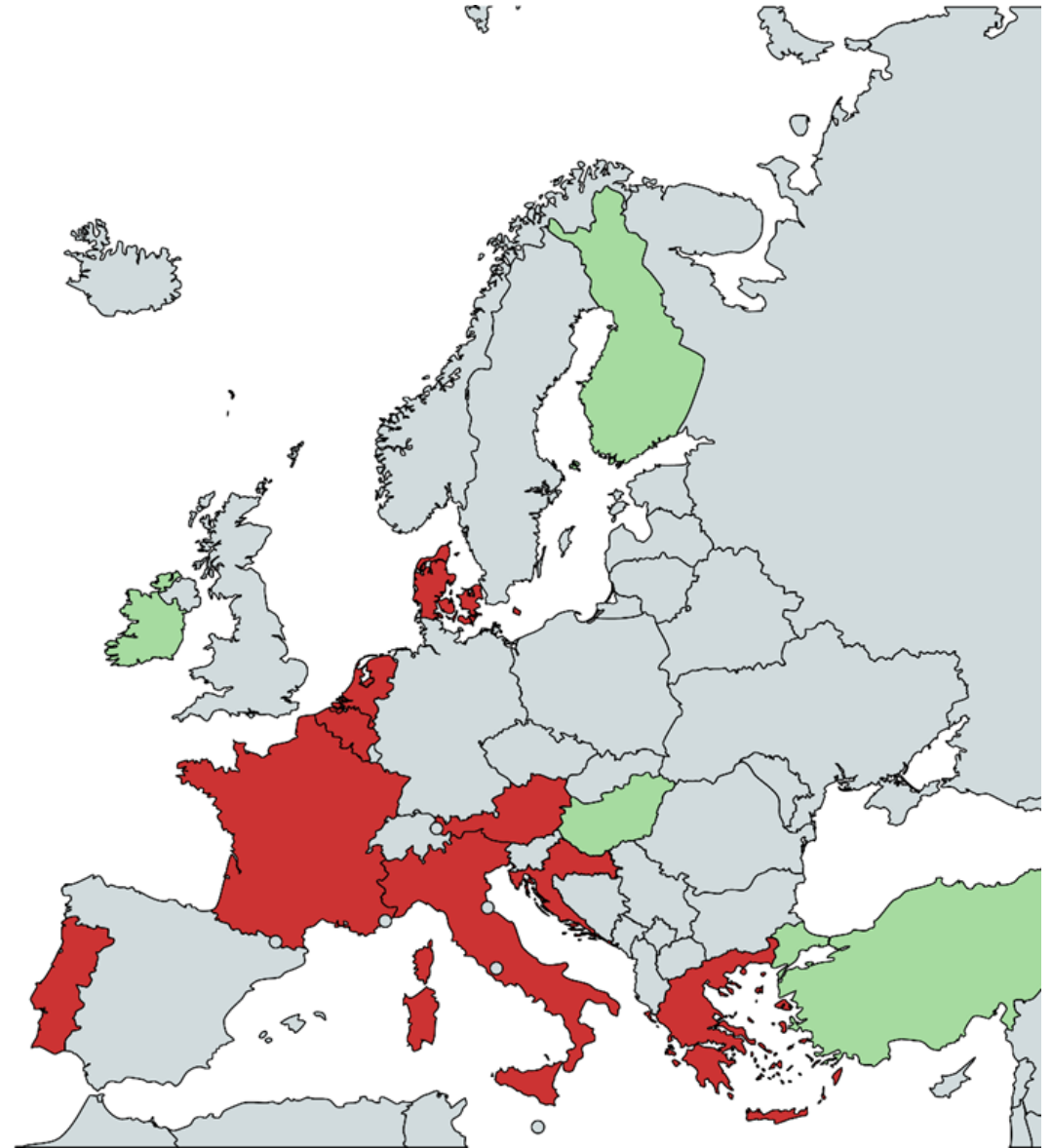
Its aim is to “empower open and responsible research by developing and piloting training activities for researchers at all stages of their careers” (see [PATTERN \(pattern-openresearch.eu\)](https://pattern-openresearch.eu)).

Currently three people in the **Centre for Science Studies** at AU are supported and involved in this project, including **Kristian Hvidtfeldt Nielsen**.



TOPICS OF TRAINING SESSIONS

- Open Access
- Research Integrity
- Management & Leadership
- FAIR Data Management
- Science Communication
- Dissemination & Exploitation of Results
- Citizen Science
- Gender Non-discrimination & Inclusion in Science



MY RESEARCH

Chemical elements: 1860-1930

Thomas Kuhn & revolutions in science

Scientific authorship, collaboration, & publication practices

SPØRGSMÅL?



AARHUS
UNIVERSITY