



NEWSLETTER

Pathology Research Unit

Nr. 2, August 2022

Editing:
Kent Søre, kent.soree@rsyd.dk

NEWS from the Research Unit

Dear Pathology colleagues

Unfortunately, it has taken me longer than planned to finish this Newsletter - but better late than never - here it is ☺.

A lot has happened in the Research Unit over the past half year and there has been a lot to do. As in the previous Newsletter, I have made an overview of what we have been focusing on so far in the Research Committee in 2022. I hope that this will help you understand what we deal with at our monthly meetings and in the time in between. In this newsletter, I have chosen to focus on our activities to involve patients and relatives in our Research Unit. For simplification, we also call them "Research Friends".

This Newsletter does not include news from the individual research groups, as I am saving that for the next Newsletter, which will cover activities for the whole of 2022. If you think something is missing from the Newsletter, remember to write to me so that I can consider it for next time.

In the last newsletter, I mentioned that I would "invite myself to visit" the 10 different specialties among the doctors and the different functions that the medical laboratory technicians are responsible for. I have not had time to visit as many as I had planned - but I'll get around to it ☺. Thank you to GYN, HÆM, and the Molecular Pathology Lab, who with great patience have shown me a glimpse of their workday and specialty. It has been inspiring and enlightening for me - THANK YOU. In the time to come, I will try to continue the success with even more of you.



Kent Sørø

Head of Research
kent.soree@rsyd.dk

Members of the Research Committee

- Kent Sørø (chairman)	- Jeanette Krogh Petersen
- Tina Green	- Christina Møller Andreasen
- Annelise Olsen	- Tanja Würtz Jørgensen
- Sönke Detlefsen	- Jesper Dupont
- Charlotte Nyvold	- Susanne Jeppesen
- Kirsten Madsen	- Dusan Rasic
- Michael Boe Møller	- Pernille Sveistrup Nielsen (alternate)

What have we been doing in the Research Committee since January 2022?

Centre for Research Together with Patients and Relatives	In January, Astrid Janssens and colleagues from the Centre visited our Research Committee to discuss how we can work together to get patients actively involved in our research. We have since discussed this on several occasions.
"Speed-dates" with Kirsten Kyvik, Kim Brixen, and others.	Kent presented Pathology's strategy for the active involvement of patients (Research Friends) in our research. The strategy resonated and was recognized. Now we have started implementing it. Much more info about this in the "News" section.
Working group for the involvement of Research Friends in AKP	The Research Committee has decided to set up a small working group to implement the use of Research

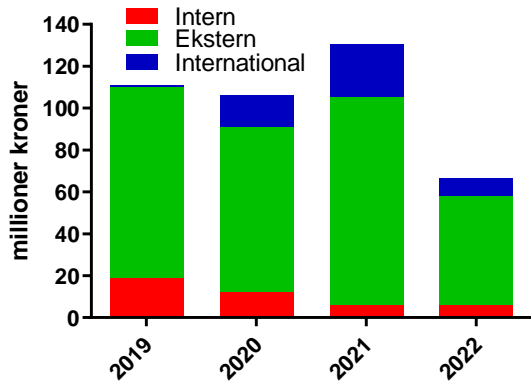
	Friends. The working group consists of Sönke, Christina, Tanja, and Kent.
Journal Club/Professional Forum	Dusan & Jesper are the organizers. This is a forum for the younger researchers in AKP. It will provide the opportunity to meet across disciplines. The content and format of these meetings are very much up to the participants - SUPPORT!
New setup and design of the research unit's website at SDU	Student assistant, Viktoria Bonne Kofod, is still in the process of setting up the website. We hope to launch the first version of the website in late 2022 and expand it in 2023.
Continuous approvals of projects	Projects that will affect operations in one way or another must be approved by the Research Committee.
New procedure for approving research projects	The current procedure for approving new projects is too unclear and the form used is not optimal. Therefore, Helle, Susanne, and Kent are now in the process of preparing new forms. The Research Committee has decided that the application procedure in the future will be divided into two parts: Round 1: apply for a "approval in principle" of the project. Round 2: here the finances must be finally approved and the applicant must be able to document that all approvals and agreements have been obtained, including Data Processing Agreements. If all this is in place, the project can be approved. On the new website, there will be a special page where the application procedure is described and where the necessary forms can be found. We hope to have this on the website by the end of 2022.
Research strategy	Pathology's Research Strategy needs to be updated. This process will start in the autumn of 2022.
The research board	The research board on the 3rd floor has been cleared as the previous content did not work as intended. It is planned that during 2022 or early 2023, content will be added to the board again.
Abusive behaviour	In connection with SDU's APV in 2021, it turned out that an unacceptably high proportion of employees had been exposed to offensive behavior of various kinds. Compared to SDU as a whole, the proportion at the Department of Clinical Research was too high. Kent has participated in a seminar attended by all Heads of Research at SDU/OUH, where it was emphasized, which situations there is a particularly high risk and what can be done about it. For the OUH employees in Pathology, the APV has also shown that offensive behavior (including bullying) is a problem. The Research Committee has therefore decided that the improvements to be implemented will be made jointly for both SDU and OUH employees in Pathology. Therefore, it has been decided that Kent will participate in LMU's work to improve well-being in Pathology.
Research seminar in AKP	During the COVID-19 lockdown, the annual research seminar had to be canceled. It is now planned that the next Research Seminar will take place on Tuesday 17

January 2023 from 14:00 to 18:30. Save the date! More info to come later.
The program committee consists of Jesper, Sönke, Tina, and Kent.

Facts & Numbers about our research activities

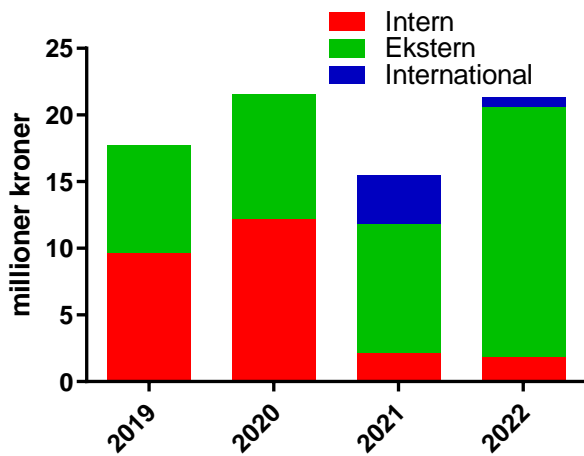
<p>Number of papers by AKP authors</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Number of papers</th> </tr> </thead> <tbody> <tr> <td>2017</td> <td>63</td> </tr> <tr> <td>2018</td> <td>75</td> </tr> <tr> <td>2019</td> <td>58</td> </tr> <tr> <td>2020</td> <td>78</td> </tr> <tr> <td>2021</td> <td>85</td> </tr> <tr> <td>2022</td> <td>48</td> </tr> </tbody> </table>	Year	Number of papers	2017	63	2018	75	2019	58	2020	78	2021	85	2022	48	<ul style="list-style-type: none"> - In 2022, up until August 17th, Dept. of Pathology researchers have published just under 50 publications. This suggests that 2022 will be very similar to 2021, which is good! - 33% of the articles in 2022 are the result of research where our researchers have taken the greatest responsibility (first and/or last author). - 46% of the publications in 2017-2022 were made in collaboration with foreign researchers.
Year	Number of papers														
2017	63														
2018	75														
2019	58														
2020	78														
2021	85														
2022	48														
<p>Our articles are getting noticed</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Number of notices/citations</th> </tr> </thead> <tbody> <tr> <td>2017</td> <td>1.5</td> </tr> <tr> <td>2018</td> <td>2.2</td> </tr> <tr> <td>2019</td> <td>1.3</td> </tr> <tr> <td>2020</td> <td>1.3</td> </tr> <tr> <td>2021</td> <td>1.3</td> </tr> <tr> <td>2022</td> <td>1.53</td> </tr> </tbody> </table>	Year	Number of notices/citations	2017	1.5	2018	2.2	2019	1.3	2020	1.3	2021	1.3	2022	1.53	<p>The graph shows that in 2022, articles with authors from Pathology were noticed and cited 1.53 times more than the average (in our field) worldwide. So far, this is higher than in 2021! That's great - it's something to be proud of!</p>
Year	Number of notices/citations														
2017	1.5														
2018	2.2														
2019	1.3														
2020	1.3														
2021	1.3														
2022	1.53														
<p>Our articles are world-class!</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Percentage of top 10% cited</th> </tr> </thead> <tbody> <tr> <td>2017</td> <td>20%</td> </tr> <tr> <td>2018</td> <td>20%</td> </tr> <tr> <td>2019</td> <td>21%</td> </tr> <tr> <td>2020</td> <td>12%</td> </tr> <tr> <td>2021</td> <td>16%</td> </tr> <tr> <td>2022</td> <td>17%</td> </tr> </tbody> </table>	Year	Percentage of top 10% cited	2017	20%	2018	20%	2019	21%	2020	12%	2021	16%	2022	17%	<p>From 2017 to 2022, 17% of our articles are in the top 10% most cited (in our field), worldwide. In 2022, it's so far on the low side. But it's still a great result and something to be proud of!</p>
Year	Percentage of top 10% cited														
2017	20%														
2018	20%														
2019	21%														
2020	12%														
2021	16%														
2022	17%														

How much money have we applied for?



- In 2022, our researchers have so far applied to research foundations for DKK 66.5 million.
 - DKK 6.0 million was applied for from "internal" foundations (OUH or RSYD).
 - 51.8 million DKK was applied for from "external" Danish foundations.
 - DKK 8.7 million was applied for from "international" foundations.
- It is a HUGE job to apply for so much money. Our researchers deserve a **big pat on the back!**

How much money have we been granted?



- In 2022, our researchers have so far received grants totaling **DKK 21.35 million!!!!**
 - 1.8 million DKK was granted from "internal" funds (OUH or RSYD).
 - 18.8 million DKK was granted from "external" Danish foundations.
 - 0.75 million was granted from "international" foundations.
- It takes many applications to get one grant. This is a given condition. But it must be recognized that it costs "blood, sweat, and tears" to get these grants. Thank you for your efforts!!!

News

Status of Research Friends in the Research Unit for Pathology, SDU

- The working group for the involvement of Research Friends in the Dept. of Pathology held a meeting with three interested Research Friends on August 11th, 2022. All three are now ready to enter into a collaboration with us. The next meeting will take place on October 26th, 2022, where a fourth interested Research Friend will also participate. As we assume that the fourth Research Friend will also enter into a collaboration with us, these 4 Research Friends will be associated with us in the future:
 - Kerstin Book: Accustomed to writing applications (non-scientific) and has extensive experience in communication with adults, children, and young people. Lives in Haderslev.
 - Lars Hansen: Has experience with visual communication and communication with children and young people. Lives in Odense.
 - Annette Jensen: Has extensive experience in pathology as a medical laboratory technician. Lives in Bogense.
 - Charlotte Hansen (more info will follow after the next meeting)
- All four have been through serious illnesses with resulting discomfort and some are still undergoing treatment. In addition, several of them also have experience with serious illnesses of relatives.
- In coordination with the Research Committee, the working group will now take the next steps with the Research Friends to define how we should cooperate in the future and on what. However, possible examples of future involvement could be:
 - Contribute to building the Research Unit's website at SDU
 - Contribute to shaping Pathology's Research Strategy
 - Contribute to publicizing/informing about general activities in our department
 - SoMe channels – Facebook, LinkedIn, Twitter, ...
 - Writing articles in patient organizations' membership magazines
 - Press releases
 - Schools
 - ...etc.
 - Contribute to the preparation of layman's documents for applications and approvals
 - Active involvement in selected projects from start to finish
 - Participate in AKP's annual Research Seminar
- To allow the four Research Friends to get a small insight into what is going on in AKP, the Working Group is planning an introduction to AKP's activities and research.
- *This also means that soon, all research active in AKP will have to get used to involving AKP's Research Friends in their applications and approvals with e.g. the Research Ethics Committee. But the Research Committee and the working group will announce when everything is ready for this. Among other things, confidentiality agreements need to be drawn up and legal matters need to be finalized before we get started. But it's going to be good 😊.*

Centre for Research Together with Patients and Relatives

- Since 24.09.2022, Kent, in his function as Head of Research, has taken part in the steering committee of "Center for Research Together with Patients and Relatives" (ForSa-P). The steering committee has been given the mandate to facilitate and monitor that patient involvement is implemented in all Research Units at OUH.

HUGE grant Novo Nordisk Fonden - Infrastructure funding

- Just today (Tuesday 30 August) this AMAZING news has arrived:
 - With **Thomas Levin Andersen** as lead applicant, he has succeeded in obtaining a MAJOR grant of **DKK 16.6 million** from the Novo Nordisk Foundation's Infrastructure Pool! CONGRATULATIONS!
 - The grant is given to "OSIC - Odense Spatial Imaging Consortium" and covers the cost of purchasing a wide range of modern analysis equipment. More about this in the next Newsletter.
 - The consortium is very much related to Pathology, as much of the equipment can and will be used in Pathology. The members of the steering committee are:
 - Thomas Levin Andersen (Pathology) - Chairman
 - Uffe Holmskov/Boye Jensen (IMM)
 - Kirsten Kyvik (KI)
 - Tina Green (Pathology)
 - Moustapha Kassem (KMEB)
 - Morten Frost Nielsen (KMEB)
 - Alexander Rauch (KMEB)
 - Also includes from Pathology:

- Kent Sjøe (Pathology, OSIC core team)
- Christina Møller Andreasen (Pathology, OSIC partner)
- Sönke Detlefsen (Pathology, OSIC partner)
- Charlotte G Nyvold (Pathology/Hematology, OSIC partner)
- In total, there are 23 partners from SDU/OUH, 13 external Danish partners, and 13 foreign partners! So it will be quite a mouthful for the steering committee to keep track of. Fortunately, they are competent people 😊.

Specific news from the individual research groups will be in the next Newsletter, which will cover the whole of 2022. The next Newsletter is expected to be published in February 2023.

Researchers and Teachers in AKP

- **PhD- student in the Research Unit for Pathology, SDU**
 - Trine Aaquist (Supervisor. Sönke Detlefsen)
 - Jesper Ewald (Supervisor Bjarne W Kristensen)
 - Gayaththri Vimalathas (Supervisor Thomas S Larsen)
 - Xenia G Borggaard (Supervisor Thomas L Andersen)
 - Pernille van Dijk (Supervisor Thomas L Andersen)
 - Bilal M El-Masri (Supervisor Thomas L Andersen)
 - Lisbeth Koch Thomsen (Supervisor Thomas L Andersen)
 - Mia D Sørensen (Supervisor Bjarne W Kristensen)
- **Upcoming Ph.D. defense in the Research Unit for Pathology, SDU**
 - *Xenia G Borggaard, Wednesday d. 21.9. 2022*
- **PostDocs in the Research Unit for Pathology, SDU**
 - Neha Sharma (mentor Kent Sjøe)
- **Research assistants and undergraduate students at the Research Unit for Pathology, SDU**
 - Siri Vreim Ørbeck (undergraduate stud.)(Supervisor Sönke Detlefsen)
 - Louise Hjorth Lind (scientific assistant)(Supervisor Kent Sjøe)
- **Researchers employed at the Research Unit for Pathology, SDU**
 - Clinical Professor Sönke Detlefsen
 - Clinical Professor Henrik D Schrøder
 - Associate Professor Kent Sjøe
 - Associate Professor Thomas L Andersen
 - Assistant Professor Christina M Andreasen
 - Associate Professor Henning Boldt
- **Clinical associate professors (teaching) employed at the Research Unit for Pathology, SDU**
 - Hanne Møller
 - Tina Green
 - Anne Marie Bak Jylling
 - Michael Boe Møller
 - Jeanette Petersen
 - Ann Mari Rosager
 - ...2-3 additional positions are available to be filled soon

- **Researchers affiliated with the HemaPato Research Laboratory, Hematology Research Unit**
 - Professor Charlotte G Nyvold
 - Molecular biologist Oriane Cédile
 - Bioinformatician Marcus C Hansen
 - Molecular biologist Simone V Hansen
 - PhD-stud Sólja R Veyhe (supr. Charlotte G Nyvold)
 - PhD-stud Mette B Levring (supr. Niels Abildgaard)