

Result Report



German-Danish platform for innovations in the health sector

German-Danish network for innovation and
cooperation in healthcare



Interreg
Deutschland - Danmark



This project is funded by Interreg Deutschland-Danmark with money from the European Regional Development Fund.

Imprint

Lead partner

University of Southern Denmark
Mads Clausen Institute
Alsion 2
6400 Sonderburg,
Denmark

Visit our website
www.accessinnovation.eu

Contact us via email:
Dr Katharina Rubahn
kru@tek.sdu.dk

Photo credits

Copyright of all pictures and graphics by
Access & Acceleration

Project management

DSN Connecting Knowledge, Kiel
www.dsn-online.de
Kiel, March 2022

This result report presents a compilation on the key findings provided by the partners working in the work package:



Project management



Ideation process



Project communication & PR



Development process



German-Danish platform for
innovations in the health sector



Market access

Table of content

The Access & Acceleration project	2
Project partners	3
Introduction to the challenges addressed	3
Health innovation platform	3
Student-industry collaboration	6
Methods to initiate projects	6
The health innovation platform's sustainability concept	7
Introduction	7
Organisation and management structure	8
The platform as a service	9
Finances and funding	9
Supporters	9
Conclusion and perspective	10
Results in a nutshell	10
Publications list	11
Platform related publications	11
Student-industry-collaboration related publications	11
Student thesis/projects	13
Appendix	14
List 1: Involvement of stakeholders in the innovation platform	14
List 2: Events that involve other projects and stakeholders	15
List 4: Innovation concepts with companies/hospitals	17
List 5: Innovation ideas	17
Contact	17

The Access & Acceleration project

The aim of the Access & Acceleration project is to provide an overview of the relevant players within the medical innovation sector in the German-Danish border region (*access*), and to signpost ways to speed up the cycle of medical innovation (*acceleration*). In the last three years, the Access & Acceleration project has examined both the fundamental barriers to market entry and the innovation process in the healthcare sector. The results were integrated into a digital platform where users from the clinical, academic and industrial sectors can find the skills to develop new ideas and create new products for the healthcare markets in Denmark and Germany. The partners participated in pilot projects, pursuing the innovation process from the ideation stage to testing and evaluation, right through to the prototype phase. All of the stages were also documented on the platform. The platform also contains examples of good cooperation between research institutions, hospitals and companies. A database linking regional stakeholders offers the opportunity for future cooperation and the further use of the platform even after the end of the project.

Project facts



March 2019 – March 2022



2.9 million Euros budget, thereof 1.7 million Euros funds



7 partner organisations from Denmark and Germany

Project aims

- ✓ strengthen cooperation between medical providers, companies and universities in the German-Danish region
- ✓ promoting the involvement of patients and healthcare professionals in the user-centred development of innovative services and technologies in the health sector
- ✓ increasing the innovative capacity of companies and supporting them in accessing cross-border markets

Project partners



Introduction to the challenges addressed

Our medical sector faces constantly changing requirements, sharing and exchanging knowledge is increasingly important. Various areas of the healthcare industry, research and new technologies, and innovation management require specialist expertise. Companies are also particularly reliant on support to gain professional experts and innovation partners.

Cross-sectoral and cross-border networks represent an important success factor for innovation activities. Nowadays, stand-alone projects on health innovation are not working out, but a network is required. Therefore, under the umbrella of Access & Acceleration, such a network was built up and expanded to increase innovation capacities in the region.

Health innovation platform

In an intensive exchange process, project and network partners, under the leadership of the Mads Clausen Institute of the University of Southern Denmark (SDU), contributed to the newly established web-based healthcare platform (www.access-platform.eu). During three online workshops and individual stakeholder dialogues, the platform's setup and contributions other projects could give were discussed. These results form the basis of an online platform designed to make all this data available to as many players in the healthcare sector as possible.

The health innovation platform provides **expertise, background information and case studies** (<https://www.access-platform.eu/en/cases/>) for interdisciplinary and cross-sector collaboration throughout the innovation process. It is aimed at small and medium-sized enterprises, scientists in hospitals and public institutions, and business development

institutions within the healthcare sector. The Access & Acceleration project wants to support them in realising ideas and promoting new products, whether in Germany or Scandinavia.

The platform aims to bundle access to **competencies and resources in the German-Danish border region**. This is not trivial, as introducing a medical device to the market requires a lot of experience. The platform, therefore, offers different entry points: *Idea, Development, Prototype* and *Roadmap to market*. It provides information about the differences in the healthcare system on the German and Danish sides and links and information on the regulation of medical devices. In all stages of development, funding plays an essential role; therefore, we also included funding information. Practical examples of cooperation across sectors round up the content.

A particular part of the platform is an **online database** that allows searching within specific fields for cooperation partners or support offers. The database is extended as information gets available, and it can be adapted to particular needs in the future. Products are not included unless they offer a specific service beneficial for others. Apart from the project consortium, 12 companies and institutions are listed in the database. A questionnaire link helps people to contribute their offer.

In establishing the platform and its contents, all project partners **contributed** with their experience (see table 1). In addition, further projects that are important for the network have been added to the database to keep links to essential results and as a reference for future projects within healthcare. Furthermore, companies and advisory board members provided valuable feedback at all stages (see appendix list 1 for details). The platform's contents were adjusted for ease of access (see also work package 6). For a detailed introduction to the platform, SDU provided two videos, one explaining why to use the platform and another one going into detail on how to access the presented information. Both are available on the platform's starting page.

Work package	Partners	Contribution
WP3	SDU Mads Clausen Institute	<p>Hosting and design of the platform</p> <p>Intro to platform podcast with <i>Ideachamp</i></p> <p>Finalising cases</p> <p>Contribution of cases for cooperation</p> <p>Funding</p> <p>Links and setup translations, implementation of the database</p> <p>Promotion of platform incl. leaflet for the platform</p>
WP4	Kiel University, Institute for Innovation Research	<p>Topic 'Idea', contact Ideachamp, a new network partner</p> <p>Case on Idea collection</p>
WP5	Stryker and SDU	<p>Product development, involvement of students</p> <p>Discussion about usefulness for companies</p>
WP5	UKSH, Labor für Biomechanik und Biomechatronik	'Prototype' section on the platform and identifying specific test facilities
WP6	Centre for Innovative Medical Technology and UKSH and Mærsk McKinney Møller Institute	<p>Graphic and design of <i>Roadmap to market</i></p> <p>Identification of barriers and how to overcome them</p> <p>Case on <i>Alcohol Use Disorder</i> (Pilot 1)</p> <p>Funding in part</p>
Anna Maria Bloch Münster	Board member	'User Feedback' section
Life Science Nord and Danish Life Science Cluster	Board member, partner	Contributions to matchmaking from their websites and overall discussion and promotion

Table 1: Specific contributions from partners

Project	Programme	Contribution
BFCC	Interreg Baltic Sea Region	2 graphs on the differences between DE and DK
Bonebank	Interreg 5a	Case study and inspiring our comic film intro
Demantec	Interreg 5a	Go-to guide for elderly care in DE and DK
InnoCAN	Interreg 5a	Test centres were contacted and will be added to the platform as feedback is available Syddansk Sundhedsinnovation Test Center is included in the platform
NorDigHealth	Interreg 5a	New ways to run matchmaking
CellTom	Interreg 5a	Contribution to our portfolio for new imaging technologies
MMT	Interreg 5a	Combined events
HealthCat	Interreg 5a	Consultancy on use of platform by Leon Bodenhagen

Table 2: Contributions from other projects

Student-industry collaboration

Students pose an important source for new ideas, and therefore, they were initially included in our project in the form of workshops. Due to the restrictions of Corona, we could not run the workshops as planned. Instead, we reached out to the students and suggested several projects for their active participation and cooperation. This led to successful developments and collaborations with industry partners.

Methods to initiate projects

We tried several methods to include the students:

1. Involvement of students in pilot projects with the company Stryker. This worked nicely, but the pandemic suddenly stopped the activity. Students were unsure if they could cross the DK-DE border until the end of their project. Therefore the interest in this collaboration form went down.
2. A successful source to include students in a project is the well-established concept of 'Experts in Teams' at SDU. A group of students works one term on a specific project chosen among different offers from their supervisors.

They cover all aspects of a commercial case from idea, product development, market access, and finally, a prototype. Three such projects involved together 30 students.

3. It takes longer to contact hospitals and introduce offers to them directly. We had several such meetings with hospitals in Southern Denmark that resulted in some exchange and will most likely result in projects and joint applications. Here the importance is building trust (compare list of activities).

Another successful collaboration approach was directly established between a clinician and a researcher due to a direct request for help. Here, SDU MCI could invest the researcher's time to look into the biomechanics relevant to breastfeeding (compare case <https://www.access-platform.eu/en/2021/09/17/a-university-and-a-specialist-private-practice-cooperate-to-address-long-existing-problem-in-nursing/>). The project will continue, and they are currently applying for further funding. Involvement of students in the future is possible.

An attempt for matchmaking to challenge clinicians' experience led to only two proposals. This was due to a heavy workload at the clinicians' side end of 2021-beginning of 2022. Therefore the matchmaking could not take place. However, the two challenges are elaborated with the Center for Artificial Intelligence (CAI-X), and the second one is under investigation at the MCI. We believe that such matchmaking also gives good opportunities to initiate new projects.

Challenges:

Vibeke Andersen, Sygehus Sønderjylland: Inflammatory bowel disease – clinical challenges, Personal medicine – Looking into the possibilities of AI

Else Marie Pinholt, Univ. Hospital of Southern Denmark, Esbjerg: Light microscopy to enhance information from 3 D SRuCT images – in contact with researcher Till Leißner

The health innovation platform's sustainability concept

Introduction

The health innovation platform aims to increase the visibility of competencies, services and knowledge within life science, medical technology and healthcare in the Danish-German border region. It seeks to facilitate innovation and supports new partnerships and the initiation of joint projects across the border addressing companies (Medtech), knowledge institutions, medical staff, patients, associations, clusters and health insurances. The platform is available at: <https://www.access-plattform.eu>

The platform was developed under the Access & Acceleration project from 2019 to 2022. This document shall outline what long-term organisational, managerial and financial structures look like after the end of the Access & Acceleration project.

Organisation and management structure

Main responsibility	Horst-Günter Rubahn, University of Southern Denmark
Platform administration	Katharina Rubahn, University of Southern Denmark
Consultancy on platform use, development and communication incl. networking and thematic dialogue	Supporters (Letter of Intent), future project consortia
Input provision	University of Southern Denmark, project consortia of running and future projects

To ensure a frequent dialogue, University of Southern Denmark plans to involve the supporters and, if required, additional stakeholders to meet once a year at least. These meetings shall take place under the network umbrellas of new projects, if possible, to ensure broadening their involvement in the platform.

The University of Southern Denmark plans to make the health innovation platform an essential element in future health innovation related projects, e.g., future Interreg 6A Deutschland-Danmark projects. In addition, the platform shall be used to support the cross-border master studies on 'medical microtechnology' offered jointly by Technische Hochschule Lübeck, University of Lübeck and University of Southern Denmark, which at present is an Interreg funded project but is run as a permanent cross-border study programme on the long-term.

The platform as a service

The platform shall be continued after the runtime of the Access & Acceleration project. Activities in this regard comprise of the following ones:

Activity	Responsibility	Frequency
Update of platform contents	SDU	At least once a year
Update of database entries	SDU	At least once a year
Matchmaking activities (in an online or physical event format)	SDU, all supporting organisations	Depending on resources; ideally under the umbrella of new projects
Short introductions of the platform in upcoming healthcare projects	SDU, all supporting organisations	Depending on resources; ideally under the umbrella of new projects
Short introductions of the platform in meetings of clusters and consulting agencies during their regular events	SDU, all supporting organisations	Depending on resources; ideally under the umbrella of new projects
Provision of input for updating the platform	All supporting organisations, running and future project consortia	When applicable

Finances and funding

Keeping the platform in its setup of March 2022 and ensuring regular updates, is financed by University of Southern Denmark.

Further developments, e.g., to include additional functionalities, improve usability, address new target groups, shall be funded by future health innovation related projects within the programme region if needs become apparent. For the time being, revenues are not expected.

Supporters

A number of organisations within the cross-border region aim to support the University of Southern Denmark in sustaining the platform and its ambition through, e.g.

- actively taking part in selected meetings, thematic workshops, surveys and events to exchange recent developments on medical technology and arising requirements,
- providing input for updating the platform's content,
- communicating the platform within our network where applicable,
- paving the way for new contacts to be displayed in the database,
- supporting the discussions amongst network partners.

Conclusion and perspective

After the three-year project Access & Acceleration, the project partners have successfully implemented a platform for those seeking help bringing a medical device to the German or Danish market or developing a medical idea. The platform bridges a gap between various available information on both sides of the border. In three languages, it makes this and additional information available to a broad audience in the region, facilitating collaboration and market access within healthcare.

A database allows for direct search of experts within the region and can connect the various stakeholders. It will benefit from more entries of service providers in the future. The platform is mentioned on the web pages of Life Science Nord, Syddansk Sundhedinnovation and Danish Life Science Cluster, and SDU continues to promote it.

A model for a sustainable continuation of the platform resulted in expressions for support by several organisations in health innovation. Our newly established connections are part of them.

A platform like it is presented is not possible without the contributions from other healthcare projects and stakeholders on both sides of the border. We keep a list of healthcare projects with descriptions and links in our database for future reference.

Several methods were used to include students in innovative projects and follow them. The methods that could be connected to their curriculum worked best and gave valuable results in collaboration with industry partners. Some companies continue with the ideas or prototypes.

Results in a nutshell

- 1 cross-border innovation platform (<http://www.access-platform.eu>)
- 1 cross-border database for health innovation related services (<https://www.access-platform.eu/en/search-filter/>)
- More than 30 consultancies for the innovation platform (see [appendix list 1](#))
- 6 events on health innovation, Corona limited more events (compare [appendix list 2](#))
- 8 projects involved in the platform concept and content, another couple of projects contributed to events (compare [appendix list 2](#))
- 3 concepts for student-industry collaboration tested
- 7 cases as input to the platform (<https://www.access-platform.eu/en/cases>)
- Portfolio of imaging capabilities for promotion
- Promotion of platform and *Roadmap to market* on 5 events and 20 posts on LinkedIn (compare [appendix list 3](#))

Publications list

Platform related publications

- Health innovation platform, available at <https://www.access-platform.eu>
- Communication concept for platform marketing
- Platform video, available in English (we generate subtitles)
- Platform flyer and contribution to brochure
- 6 case studies plus one on idea campaign coming
- Podcast on ideation
- Video on Pilot 2 *Alcohol Use Disorder* (AUD) for case study

Student-industry-collaboration related publications

Nanoclay Reinforced Biomaterials for Mending Musculoskeletal Tissue Disorder, Itsasne Erezuma, Tatiane Eufrazio-da-Silva, Nasim Golafshan, Kaivalya Deo, Yogendra Kumar Mishra, Miguel Castilho, Akhilesh K. Gaharwar, Sander Leeuwenburgh, Alireza Dolatshahi-Pirouz, Gorka Orive, Advanced Healthcare Materials. 2021 <https://doi.org/10.1002/adhm.202100217>

Revisiting the optical dispersion of aluminium-doped zinc oxide: New perspectives for plasmonics and metamaterials, Advanced Photonics Research, Alireza Shabani*, Mehdi Khazaei Nezhad, Neda Rahmani, Yogendra Kumar Mishra, Biplab Sanyal and Jost Adam, Advanced Photonics Research. <https://doi.org/10.1002/adpr.202000086>

Functionalized Surfaces as a Tool for Virus Sensing: A Demonstration of Human mastadenovirus Detection in Environmental Water, Juliana Schons Gularte, Roana de Oliveira Hansen , Meriane Demoliner, Jacek Fiutowski, Ana Karolina Antunes Eisen, Fagner Henrique Heldt, Paula Rodrigues de Almeida, Daniela Müller de Quevedo, Horst-Günter Rubahn and Fernando Rosado Spilki, Chemosensors 2021, 9(2), 19; <https://doi.org/10.3390/chemosensors9020019>

Surface Modification Enabling Reproducible Cantilever, Functionalisation for Industrial Gas Sensors, Daniel Mamou, Lawrence Nsubuga, Tatiana Lisboa Marcondes, Simon Overgaard Høegh, Jeanette Hvam, Florian Niekiet, Fabian Lofink, Horst-Günter Rubahn and Roana de Oliveira Hansen, Sensors 2021, 21, 6041. <https://doi.org/10.3390/s21186041>

Bio-acceptable 0D and 1D ZnO nanostructures for cancer diagnostics and treatment, Brandon Ortiz-Casas, Andrés Galdámez-Martínez, Jorge Gutiérrez-Flores, Andrés Baca Ibañez, Pritam Kumar Panda, Guillermo Santana, Horacio Astudillode la Vega, Mrutyunjay Suar, Citlaly Gutiérrez Rodelo, Ajeet Kaushik, Yogendra Kumar Mishra, Ateet Dutt, Materials Today (2021). <https://doi.org/10.1016/j.mattod.2021.07.025>

Sheetal Kaushik Bhardwaj, Mubarak Mujawar, Yogenda Kumar Mishra, Nicoleta Hickman, Murthy Chavali and Ajeet Kaushik. "Bio-inspired graphene-based nano-systems for biomedical applications". In: Nanotechnology (2021), p. 32 502001. doi: <https://doi.org/10.1088/1361-6528/ac1bdb>

Anjali Khunger, Navneet Kaur, Yogenda Kumar Mishra, Ganga Ram Chaudhary and Ajeet Kaushik. "Perspective and prospects of 2D MXenes for smart biosensing". In: Materials Letter (2021), p. 130656. doi: <https://doi.org/10.1016/j.matlet.2021.130656>

Monika Nehra, U.T. Uthappa, Virendra Kumar, Rajesh Kumar, Chandra Dixit, Neeraj Dilbaghi, Yogendra Kumar Mishra, Sandeep Kumar and Ajeet Kaushik. "Nanobiotechnology-assisted therapies to manage brain cancer in personalised manner". In: Journal of Controlled Release. doi:<https://doi.org/10.1016/j.jconrel.2021.08.027>

Zirconium Nitride: Optical Properties of an Emerging Intermetallic for Plasmonic Applications, Alireza Shabani, Matiyas Tsegay Korsá, Søren Petersen, Mehdi Khazaei Nezhad, Yogendra Kumar Mishra, Jost Adam. <https://doi.org/10.1002/adpr.202100130>

Surface plasmons in silicon nanowires, Giovanni Borgh, Corrado Bongiorno, Antonino La Magna, Giovanni Mannino, Salvatore Patanè, Jost Adam, Rosaria Anna Puglisi. <https://doi.org/10.1002/adpr.202100130>

Student thesis/projects

Lab-on-a-chip interface for portable microfluidics-based water quality sensors. Master Thesis 2020, Pulkit Saluja, Supervision: Roana de Oliveira Hansen.

Hardware optimisation for meat freshness cadaverine sensors, Master thesis 2020, Josep Maria Carmona Domingo, Supervision: Roana de Oliveira Hansen, Jost Adam.
Company involved: AmiNIC.

Pierlou Ramade: X-Ray classification and segmentation using machine learning in Stryker's ADAPT project, 2020, Supervision: Jost Adam and Alireza Shabani from SDU and from Stryker Bernd Simon, Lars Metz, and Andreas Petersik.

Henry John Lewis: Simulation of Autoclave Processes for Medical Device Sterilization, 2020, Supervision: Jost Adam and Alireza Shabani from SDU and from Stryker Bernd Simon, Lars Metz, and Andreas Petersik.

'Anti-collision system for LINAK HOMELINE' Experts in Teams 2021, Ioannis Andromidas, Maram Daood, Anina Hasse, Maria Lunau, Dennis Riess, Erik Winkler, Esben Sørensen, Horia-George Iotu, Magnus Christesen, Mohammed Mohammed, Nicklas Lyck & Pablo Paniagua, Supervision: Roana de Oliveira Hansen and David Grube Hansen, Company: LINAK.

'Breathalyzer' Experts in Teams 2022, Arthur Blaser, Arune Lapinskaite, Boris Kacer, Cadence Anderse, Carlos Moyá Gual, Lucas Weber, Oskar Skoczylas, Richard Jenis, Tobias Schult. Supervision: Roana de Oliveira Hansen, Company: AmiNIC.

'Sortena' Experts in Teams 2022, Abdallah Abdel Qader, Alberto Miro, Christina Joy Moses, Judith Andrea Kröll, Paul-Ioan Maghiari, Povilas Janusauskas, Rolandas Kraujelis, Ronan Machado Sharva Yatin Neman. Supervision: Roana de Oliveira Hansen, Company: Abena.

Ali Ebrahimi: Predictive Models to Identify Patients with Alcohol Use Disorder; PhD thesis 2021, Pilot 2, Ali Ebrahimi on alcohol use disorder (WP5.2).

Appendix

List 1: Involvement of stakeholders in the innovation platform

Reported were 6 involvements of the project advisory board (PAB) until end 2020 / also contacts to lead partners of other projects count, as we want to profit from them. From the list below, a minimum of another 30 consultancies of board members or leaders of other projects can be counted.

Consulting for the platform via Zoom and phone:

- 12.11.2020: Karen Maria Elsted Hansen, SDU Public Health: Making our platform useful
- 12.11.2020: Jana Vogelsberger, NOSCO: Ideation on the platform, include NOSCO?
- 15.02.2021: Niels Jørgen Langkilde – Patientforeningen: Hvad could be of interest for patients?
- 18.02.2021: Mette Thiel, Welfare Tech: Userfriendly design of the platform
- 18.03.2021: Anna Eckers, Mette Thiel, Thomas Huynh: What companies should be addressed for feedback on the platform?
- 26.08.2021: Svenja Jaffari: Introduction and content of the platform
- 22.09.2021: WHINN conference: Matchmaking profile and distribution of a flyer
- 23.09.2021: Access web seminar 2 (10 projects + 2 PAB members)
- 27.09.2021: Else -Marie Bladbjerg: Introduction and discussion of content on the platform
- 22.11.2021: Matchmaking in healthcare: How to approach clinicians, online meeting (Frederike Fahse, Till Leißner, Ditte Louise Hartvig, Søren Stig Tvilsted – NorDigHealth project)

Consulting for brochure:

- 1 board member Anna-Marie Bloch Münster, represented by 'quote'
- 15.03.2022: Svenja Jaffari and Krista Blaabjerg participate in evaluation meeting (PAB members)
- An idea campaign ran within WP4 involved 3500 physiotherapists in Germany, 8 projects were evaluated, 2 ideas are carried on.

In 2020, we provided consultancy and idea generation via dialogue to the following companies:

- AmiNIC ApS: Idea about electronic nose for detection of infectious diseases
- Abena Holdings A/S: Idea about advanced facemasks with improved viral protection and sensing

- Region of Southern Denmark: Development of sensors for water quality monitoring
- WaterCare Guard: Common project about the development of online water quality monitoring systems
- Aarhus University hospital: Idea about a nanotechnology-based method for coronary artery disease assessment via plaque identification and immune system modulation
- JW-Teknik: Detection of Geosmin in water pipes
- Danish Clean Water: Collaboration on potential sensors for pathogen detection in farms
- LandBoSYD: Collaboration on potential sensors for pathogen detection in farms

In 2021, we provided consultancy and idea generation via dialogue to the following companies:

- CPH Nano: Application of UV-vis spectrometry into water quality
- Hartmann Packing: Sensing technologies for packaging characterisation
- Lachenmeier Monsun: Digitalisation of the products by integrating sensors to measure failures and predict maintenance needs.
- LINAK: Anti-clamping devices for elevation beds
- Mærsk Container Industry: Ethylene sensors in a container for fruit freshness
- Bitzer: CO₂ and O₂ sensors
- Agramkow: Predictive maintenance

List 2: Events that involve other projects and stakeholders

9.12.2020: Symposium Nano Meets Medicine organised by ninA SH, Till Leißner presents Access and Acceleration

20.01.2021: Meeting between MCI and Hospital of South West Jutland in Esbjerg, participants: 8 Esbjerg, 7 MCI

14.06.2021: Webseminar – Open Innovation in Healthcare, participants: 31, 2 board members + 2 other projects (Anna Eckers, Jonas Drefeld, Keld Hundewadt, Till Leißner)

23.09.2021: Webseminar: Health innovation in the cross-border region

Participants: 31, 2 board members (Svenja Jaffari, Leon Bodenhagen + 10 other projects)

7.12.2021: Innovation perspectives – Sygehus Sønderjylland (SHS) and SDU Sønderborg Representatives from “Lærings og Forskningshuset” at SHS visited SDU to learn about our work within innovation. The intention is to engage in more future collaboration on innovation across research projects, student projects and services, participants: SHS 6, SDU 5+3 students, from Access & Acceleration: Till Leißner, Katharina Rubahn, Frederik Gottlieb, Roana Melina de Oliveira Hansen

10.02.22 Final Conference Access & Acceleration, participants: 38, 3 board members + several other projects

30.03.22 Collaboration visit at the Hospital of Southern Jutland in Aabenraa, participants from Access & Acceleration: Frederik Gottlieb, Katharina Rubahn, Till Leißner, Horst-Günter Rubahn

List 3: Promotion of the platform for innovation

Apart from promotion material, the platform was introduced to stakeholders at several events:

23.09.2021: Web seminar: Health innovation in the cross-border region, participants: 31

22. - 23.09.2021: WHINN conference, Odense, participation, flyers to people and profile in matchmaking for our platform

25.12.2021: Intro to platform on BioMedTec Ideas, online (IHK Lübeck)

7.12.2021: SDU Sønderborg, Meeting Sygehus Aabenraa

10.02.2022: Final conference Access & Acceleration

08.03.2022: Arbeitskreis Innovation, Life Science Nord (online), participants: 12

30.03.2022: Collaboration visit at the Hospital of Southern Jutland in Aabenraa

List 4: Innovation concepts with companies/hospitals

13 innovation concepts with companies/hospitals were performed:

WP 3:

- Anti-collision system for LINAK HOMELINE with LINAK
- Breathalyzer together with AmiNIC
- Gas Sensor together with Abena
- Collaboration with Horsens clinic
- Microfluidic device (Gut-on-a-Chip) that models microbiological processes in human intestine with Odense University Hospital
- Collaboration with Hospital Esbjerg, Else Pinholdt

WP 4

- Method of the idea campaign
- 2 Case studies to innovation potentials

WP 5:

- Predictive model for AUD, OUH
- Stryker Gamma Nail
- Stryker Adapt

WP 6:

- Roadmap to market

List 5: Innovation ideas

WP 3

- 1 innovation platform
- 15 idea generation dialogue with companies (see p. 13 f)
- 13 ideas in innovation concepts (compare List 4)
- 3 methods for student-industry projects

WP 4

- 8 initiatives (report WP4)
- 10 ideas from the idea campaign

Contact

Katharina Rubahn

kru@tek.sdu.dk