



Contents

Board of directors	. 1
Scientific Advisory Board	. 1
Preface	. 2
Figure 1: Annual Publications 2008-2024	. 3
Figure 2: Annual PhD and Research Year Defences 2008-2024	. 3
Figure 3: Annual Masters Theses 2021-2024	. 3
PhD dissertations	. 4
Inge Brosbøl Iversen	. 4
Karoline Kærgaard Hansen	. 5
Charlotte Gabel	
Jane Bjerregaard Lauridsen	
Ramazzini Research Grants	. 8
Ramazzini Forum 2024	. 9
Statistics Course: Introduction to R	10
Ramazzini Junior Seminar 2024 1	11
13th Annual Ramazzini Seminar 1	13
PhD course: Omics in environmental and occupational medicine	15
Projects1	17
Ongoing PhD Projects 2024	17
Completed PhD Projects 2009-2024	19
Completed Research Year and Master Projects 2024	
Ongoing Research Projects 2024	
Publications 2024	41

Danish Ramazzini Center

Board of directors

Medical Director Søren Pihlkjær Hjortshøj Aalborg University Hospital

Head of Department Michael Baggesen Klitgaard Department of Public Health Aarhus University

Medical Director Michael Braüner Schmidt Aarhus University Hospital

Chief Medical Officer Jens Friis Bak Gødstrup Hospital

Head of Department Jørgen Frøkiær Department of Clinical Medicine Aarhus University

Elected Confederal Secretary Leif Vestbjerg-Nielsen FOA trade union Northern Jutland

District chair Anja Laursen Danish Nursing Council in Central Jutland

Professor Henrik A. Kolstad Occupational Medicine Aarhus Universiy Hospital

Scientific Advisory Board

Associate Professor Susan Peters Department Population Health Sciences Institute for Risk Assessment Sciences (IRAS) Utrecht University, Netherlands

Professor Lode Godderis Environment and Health KU Leuven, Belgium

Professor Emeritus Jens Peter Bonde Department of Public Health University of Copenhagen

Preface

2024 was another good year for the Danish Ramazzini Centre. The 13th Annual Ramazzini Seminar was held on October 28-29, where 41 colleagues met at Sandbjerg Manor.

Manolis Kogevinas from ISGloabal in Barcelona gave a comprehensive presentation on future environmental and occupational exposures due to climate change. Trine Nøhr Winding and Johan Hviid Andersen from the Dept. of Occupational Medicine at Gødstrup Hospital gave excellent talks about mental health at the beginning of work life and changes in the labour market during the last 30 years, Morten Smidt from the Dept. of Clinical Epidemiology, AUH, gave an inspiring talk about the use and misuse of p-values. Researchers from each of the centre's four departments presented ongoing projects. The seminar received financial support from Aarhus University Research Fund.

The first Ramazzini junior seminar targeting researchers at or below postdoc level was held on May 15-16, at the Mols laboratory. The seminar was attended by 23 participants from all four Ramazzini departments and was a great success.

October 2, about 80 participants gathered at a public meeting at AUH to discuss the chemical working environment. Colleagues from the Danish Ramazini Centre gave introductory talks about occupational interstital lung diseases, eczema due to work with epoxy resins, and inflammation during exposure to organic dusts during

recycling of domestic waste. National experts put findings into a broader context focusing on the current and future working environment in Denmark.

Inge Brosbøl Iversen, Karoline Kærgaard Hansen, Charlotte Gabel, and Jane Bjerregaard Lauridsen defended their PhD theses and three new PhD students were enrolled. In total, 18 PhD students were attached to the centre during 2024.

In November we arranged a PhD course entitled Omics in environmental and occupational medicine covering exposomics, metabolomics, proteomics, epigenomics, and related topics, all with the aim to better understand causal health effects of environmental and occupational exposures. 15 students participated.

In March, 21 researchers from Danish Ramazzini Centre joined a three-day introduction to the R statistics package and the RStudio interface to prepare us to changing from mainly using the Stata statistical package.

At eight online Ramazzini Forum meetings, we had presentations on the new IARC carcinogenicity assessment of PFOA and PFOS, air pollution and pulmonary fibrosis, and why we should avoid using "association" when formulating a research question, and other topics.

81 peer-reviewed publications covering a wide range of topics within occupational and environmental health were published.

Aarhus, Aalborg and Herning, January 15, 2024

Danish Ramazzini Centre Coordination Board:

Henrik Kolstad, professor Occupational Medicine, Aarhus University Hospital

Jakob Hjort Bønløkke, consultant Occupational and Environmental Medicine, Aalborg University

Hospital

Johan Hviid Andersen, professor Torben Sigsgaard, professor

Vivi Schlünssen, professor

Occupational Medicine, Goedstrup Hospital Department of Public Health, Aarhus University Department of Public Health, Aarhus University

Figure 1: Annual Publications 2008-2024

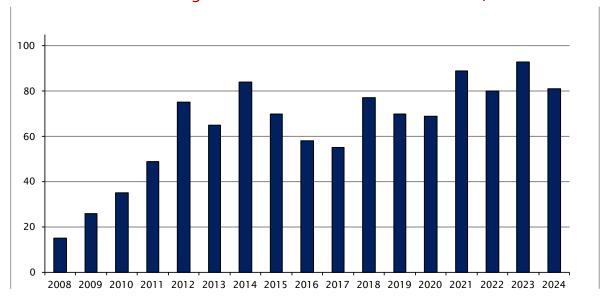


Figure 2: Annual PhD and Research Year Defences 2008-2024

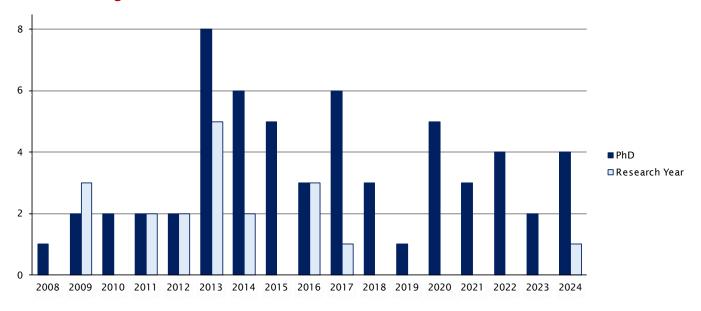
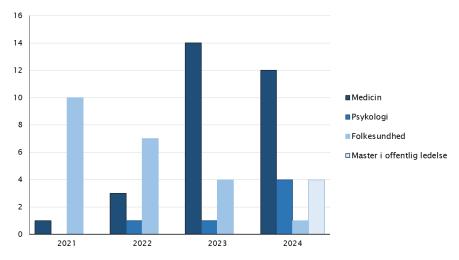


Figure 3: Annual Masters Theses 2021-2024



PhD dissertations

Inge Brosbøl Iversen Cand. med.

Occupational dust exposure and risk of interstitial lung diseases

A new PhD project from Aarhus University, Health, has investigated associations between occupational dust exposure and risk of interstitial lung diseases.

Prevention of interstitial lung diseases is essential, as the diseases affect the quality of life and can lead to increased mortality. It is well known that occupational dust exposures can be the cause of certain types of interstitial lung disease in high exposure occupations and industries, but there is a lack of knowledge about the risk in a lower-exposed general working population.

The PhD project has examined the association between occupational exposure to crystalline silica, asbestos and organic dust and the risk of interstitial lung diseases in three register studies.

The main findings are that occupational dust exposure is associated with more types of interstitial lung disease than those traditionally considered work-related, and the risk is also increased in a general working population.

The results point to a need for further preventive initiatives against occupational dust exposure and indicate that a broader definition of occupational interstitial lung disease may be warranted.



Date of defence: January 19, 2024

Assessment Committee:

Associate professor Johannses Schmid (Chairman and moderator of the defence) Department of Clinical Medicine, Respiratory Diseases and Allergy Aarhus University

Associate professor Marcel Veltkamp ILD Centre of Excellence Department of Pulmonology St. Antonius Hospital Nieuwegein Holland

Professor Bengt Järvholm Department of Public Health and Clinical Medicine Umeå Universitet Sverige

Professor Henrik Kolstad (main supervisor) Department of Occupational Medicine Danish Ramazzini Centre Aarhus University Hospital Karoline Kærgaard Hansen Cand. scient. san. publ.

Bioaerosol exposure, lung function, and inflammation: a study of recycling workers

The PhD project has investigated associations between bioaerosol exposures, lung function, and inflammation among recycling workers.

The recycling of domestic waste and number of employees in the recycling industry is increasing. Workers in the recycling industry are exposed to increased levels of bioaerosols (fungi and bacteria) compared with the background population, but knowledge of the current exposure levels and their determinants is needed to establish effective preventive measures. Knowledge of associations between bioaerosol exposures, lung function, and inflammation as a basis for health-based occupational exposure limits is also needed.

In three cross-sectional studies, the current PhD project has investigated the determinants of exposure levels of inhalable dust, endotoxin, bacteria, and fungi and the associations between these exposures and lung function and inflammatory markers.

The project's most important finding is that recycling workers were at least seven times more exposed compared to administrative workers. Waste fraction was the most influential determinant of exposure with highest exposure levels seen when handling paper or cardboard. Several inflammatory markers tended to increase with increasing bioaerosol exposure, but it is unclear whether this represents systemic inflammation. A limited number of fungal and bacterial genera showed associations with inflammation, which should be investigated in future studies. No association was found between exposure levels and lung function.



Date of defence: March 15, 2024

Aarhus University

Assessment Committee:
Associate professor Dorte Rytter
(Chairman and moderator of the defence)
Department. of Public Health,
Research Unit for Epidemiology

Senior researcher Anne Oppliger Goudet Department of Occupational and Environmental Health University of Lausanne Switzerland

Professor Ulla Vogel National Research Centre of the Working Environment Copenhagen

Professor Henrik Kolstad (main supervisor) Department of Occupational Medicine Danish Ramazzini Centre Aarhus University Hospital Charlotte Gabel Cand. scient. san. publ.

The association between housing characteristics, measured and perceived IAQ, and residents' behavior and health before and after building renovation

- A longitudinal study with repeated measurements and a natural experiment

The quality of indoor environments in our homes significantly impacts our health and comfort. Denmark aims to achieve CO2 neutrality, in part through housing renovation. Such renovations have been shown to yield both positive and negative effects on indoor environ-ments, as well as residents' health and comfort. However, residents of social housing have not been extensively studied. This group is known to be more vulnerable than other rental residents due to lower educational and income levels combined with chronic illnesses.

The aim of this Ph.D. project was to investigate the characteristics of housing, indoor environments, and residents' behavior, comfort and health before and after the renovation of social housing

A follow-up study was conducted, involving measurements taken during the heating and non-heating season, and one year after the building renovation. These measurements included questionnaire, 14-day indoor environment monitoring, and semi-structured interview with selected participants. Before the renovation, the indoor environment was challenging with many residents experiencing draughts, low thermal comfort, and various health symptoms.

Post-renovation, the project demonstrated improvements in the indoor environments and residents' comfort and fatigue symptoms, but also introduced new issues such as dry air, noise, and upper respiratory and eye irritations. Additionally, they were dissatisfied with the ventilation system and the renovation process.



Date of defence: August 16, 2024

Assessment Committee:

Associate professor Johannses Schmid (Chairman and moderator of the defence) Department of Clinical Medicine - Respiratory Diseases and Allergy

Aarhus University

Professor Rikke Bramming Jørgensen Department of Industrial Economics and Technology Management Norwegian University of Science and Technology Norway

Professor Ulla Haverinen-Shaughnessy Department of Civil Engineering University of Oulu Finland

Professor Torben Sigsgaard (main supervisor) Department of Public Health Danish Ramazzini Centre Aarhus University Jane Bjerregaard Lauridsen Cand. scient. san. publ.

Workplace intervention to reduce sick leave among pregnant hospital employees – a cluster randomised trial

The Ph.D. project evaluated an intervention with occupational midwifery support on pregnant employees' sick leave and well-being.

Sick leave during pregnancy is common and 36% of all pregnant employees are absent for more than two weeks. Sick leave can be associated with individual and occupational factors. Occupational factors can be exposure to harmful agents or strenuous working conditions such as walking and standing, heavy lifting, or shift work. Work adjustment is associated with reduced sick leave.

This project evaluates an intervention aiming to reduce strenuous occupational exposures. The overall aim was to evaluate the effect of occupational midwifery support, where midwives facilitated risk assessment and work adjustment in meetings with pregnant employees and their managers.

The study was conducted at Aarhus University Hospital as a cluster-randomised trial with hospital departments allocated to intervention or reference. In addition to evaluating midwifery support, the projet also investigated managers' perspectives and engagement in pregnancy policy.



Date of defence: October 10, 2024

Assessment Committee:
Professor Annette De Thurah
(Chairman and moderator of the defence)
Department of Clinical Medicine
- The Section for Rheumatology
Aarhus University

Professor Kirsten Fonager Department of Social Medicine Aalborg University Hospital

Professor Helena Lindgren Department of Women's and Children's Health Karolinska Institute Sweden

Professor Rikke Damkjær Maimburg (main supervisor) Dept. of Occupational Medicine Danish Ramazzini Centre Aarhus University Hospital

Ramazzini Research Grants

In 2024 the following researchers was awarded grants for participating in conferences or courses. A maximum of 5.000 kr. was provided per grant.

Spring

- Ida Kristensen: 11th Nordic Conference of Epidemiology and Register-Based Health Research (NordicEpi), 2024, Copenhagen, Denmark
- Jörg Schullehner: 36th Annual Conference of the International Society for Environmental Epidemiology, 2024, Santiago de Chile, Chile
- Mette Hyllegaard Madsen: ATV Vintermøde om jord og grundvandsforurening, 2024, Vejle, Denmark
- Sofie Breinholt Damgren: 16th Conference of the European Academy of Occupational Health Psychology, 2024, Granada, Spain
- Theresa Møller Kynde: European Respiratory Society (ERS) Congress, 2024, Vienna, Austria

Autumn

- Charlotte Gabel: The National Public Health Conference, 2024, Nyborg, Denmark
- Per Høgh Poulsen: Interdisciplinary Conference Creating Sustainable Work, 2025, Stockholm, Sweden

Ramazzini Forum 2024

Ramazzini Forum was initiated in 2021. The aim is to gather the entire centre once a month for a one-hour virtual meeting. The topic is decided by the organising department and can cover all aspects of research, from discussion of project ideas to the presentation of final results.

Programme

09.02.2024: Karoline Kærgaard Hansen, Department of Occupational Medicine, AUH "Bioaerosol exposure, lung function, and inflammation: a study of recycling workers"

08.03.2024: Jens Peter Bonde, Department of Public Health, Section of Environmental Health, University of Copenhagen

"The 2023 IARC evaluation of PFOA and PFOS - how the evidence for human carcinogenicity was built on parallel streams of epidemiological, animal and mechanistic evidence"

12.04.2024: Annette Kjær Ersbøll and Jesper Bælum, Department of Occupational and Environmental Medicine, Grindsted Hospital

"Update on the register study: Occurrence of disease in Grindsted Citizens" and "Results from the Grindsted Citizen Survey"

21.06.2024: Jakob Hjort Bønløkke, Department of Occupational and Environmental Medicine, AAUH

"The ASBYG project"

13.09.2024: Marianna Kyndi, Department of Occupational Medicine, RHG "The PRO-RISK cohort"

11.10.2024: Lucile Sesé, Sorbonne Paris North University and Avicenne Hospital "Air pollution and pulmonary fibrosis"

08.11.2024: Jeremy Labrecque, Causal Inference group, Department of Epidemiology, Erasmus MC, Rotterdam, NL

"The word "association" cannot be in your research question"

13.12.2024: Vivi Schlünssen, Department of Public Health - Environment, Occupation and Health, Aarhus University

"Can targeting male adolescence give us novel opportunities to improve health in future cities?"

Statistics Course: Introduction to R

In March 2024, 21 participants from Danish Ramazzini Centre joined a three-day introduction to datamanagement and data analysis using the R statistics package and the RStudio interface.

Associate professor Stefan Nygaard Hansen from Aarhus University, Department of Public Health - Department of Biostatistics was course leader, and the course was held at Aarhus University Hospital as a mixture of lectures and hands-on exercises.



Introduktion til R

Kursusansvarlig: Stefan Nygaard Hansen stefanh@ph.au.dk

Formål: Kurset har til formål at give deltagerne en introduktion til databehandling og dataanalyse i R via RStudio.

Læringsmål: Efter kurset vil deltagerne

- Have et kendskab til de forskellige datatyper og datastrukturer i R og hvordan man arbejder med disse.
- Kunne foretage basal datamanagement i R herunder sammensætning af data fra flere datakilder.
- Udføre gængse statistiske analyser i R, herunder for forskellige typer af udfald at kunne
 - beskrive én gruppe
 - sammenligne to grupper
 - udføre regressionsanalyser
- Kunne afrapportere resultaterne af en statistisk analyse lavet i R.
- Kunne danne tabeller i R herunder deskriptive tabeller og tabeller som opsummerer analyseresultater.
- Kunne lave forskellige figurer i R til formidle forskningsresultater men også til brug som modelkontrol.

Kurset er en blanding af teori og praktiske øvelser. Kursisterne medbringer egen pc.

Tidspunkt: 4. marts 9-16, 5. marts 9-16, 7. marts 9-15, 2024

Sted: Aarhus University Hospital, Palle Juul-Jensens Boulevard 35, 8200 Aarhus N Indgang C - Unitorvet C114

Kursusgebyr: 1.500 kr. - inkl. forplejning (frokost, kaffe/te/vand)

Tilmelding til: kirpug@rm.dk

Tilmeldingsfrist: 15. februar 2024 - tilmelding er bindende efter denne dato.

Max. deltagerantal: 26

Forudsætninger: Det forudsættes, at deltagere har et basalt kendskab til datamanagement og de operationer man typisk benytter i den forbindelse. Det forudsættes også, at deltagere har et vist kendskab til gængse statistiske analyser herunder sammenligning af to grupper og regressions-modeller.

Der er ingen forudsætninger om kendskab til R eller RStudio, men det er en fordel, hvis man har erfaring med en anden statistisk programpakke eksempelvis Stata.

Ramazzini Junior Seminar 2024

The first Ramazzini junior seminar targeting researchers at or below postdoc level was held on May 15-16, 2024, at the Mols laboratory. The seminar was well attended by 23 participants from all four Ramazzini departments. The seminar was arranged by Christine Leonhard Birk Sørensen and Alexander Jahn Jensen.



Program

Onsdag d.	15. Maj 2024	Torsdag d.	16. Maj 2024
09.00-09.30	Tjek ind	08.00-09.00	Morgenmad
09.35-09.45	Velkommen	9.00-9.15	Velkomst og introduktion til dagen Vibeke Broe og Miriam Kobberamed,
09.45-12.00	Feedback workshop Simone Brendstrup Søndergaard, Centre for Educational Development	9.15-10.00	AU karriererådgivning Oplæg om karriereplanlægning
	På workshoppen vil vi blive præsenteret for principper og		Hvad er karriereplanlægning og hvordan arbejder man med det?
	værktøjer til at give feedback i forbindelse med akademisk arbejde. Derudover består workshoppen af nogle aktiviteter, så vi får feedback- principperne ind under huden, inden vi skal bruge dem.	10.00-12.00	Workshop: Career decision making At vælge den karriereretning der passer til en, er rigtigt svært og samtidigt meget vigtigt for at trives i sit arbejdsliv. I denne workshop vil vi drøfte, hvordan vi træffer
12.00-13.00	Frokost		beslutninger, og hvilke overvejelser der skal være en del af processen –
13.00-15.00	Præsentationer af projekter Ph.dstuderende og forskningsassistenter bliver opdelt i 3 grupper, hvor hver person får 20 min til præsentation af sit projekt, sine		og som også giver plads til at vores prioriteringer i livet ændrer sig over tid. Desuden vil vi afdække de værdier og interesser, der er med til at sætte retning på vores arbejdsliv.
	udfordringer samt feedback. Præsentationen bør vare 8 min,	12.00-13.00	Frokost
	således at vi har 12 min til feedback og diskussion. I hver gruppe er der tilknyttet 2 postdocs/seniorforskere som moderatorer. Derudover vil Simone cirkulere mellem grupperne.	13.00-14.30	Workshop: Career decision making (fortsat) I denne del af workshoppen vil fokus være på at afdække de kompetencer I har udviklet og gerne vil bruge fremadrettet.
15.15-15.45	Fælles refleksion Simone Brendstrup Søndergaard	14.30-15.00	Næste skridt, spørgsmål og feedback
17.00-18.00	Fælles social aktivitet Alexander Jahn Jensen og Christine Leonhard Birk Sørensen	15.00-15.30	Evaluering og afrunding på seminaret Alexander Jahn Jensen og Christine Leonhard Birk Sørensen
18.30	Aftensmad		

Tilmeldingsfrist d. 15. april 2024 til Kirsten Pugdahl: kirpug@rm.dk Notër eventuelle kosthensyn i tilmeldingen.

Danish Ramazzini Centre Dept. of Public Health Aarhus University

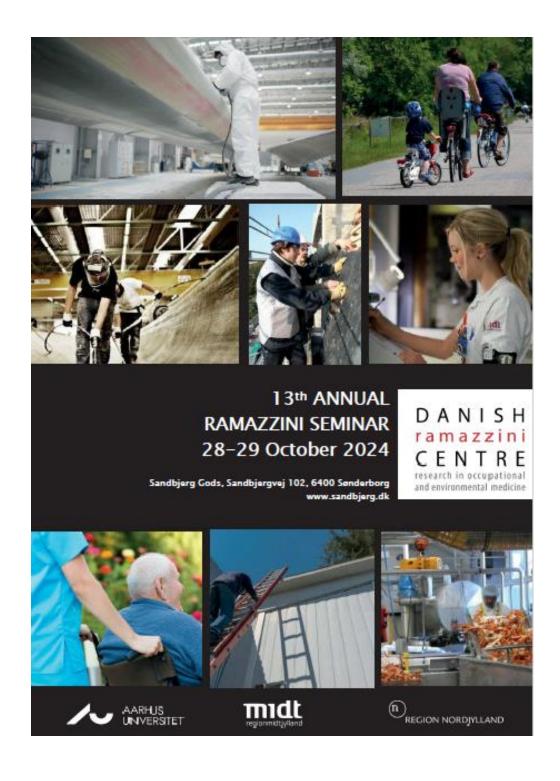
Dept. of Occupational Medicine Aarhus University Hospital

Dept. of Occupational Medicine, University Research Clinic, Goedstrup Hospital

Dept. of Occupational and Environmental Medicine Aalborg University Hospital

13th Annual Ramazzini Seminar

The Ramazzini seminar was as usual held in the wonderful settings of Sandbjerg Manor and was well-attended by 41 participants. The scientific program covered different topics including mental health, climate changes, and statistics, while the social program facilitated by Jörg Schullehners group introduced geocaching to Ramazzini. The seminar was arranged by Kent Nielsen, Mette Wulf Christensen, Michael Hvidberg, Jörg Schullehner, Henrik Kolstad and Kirsten Pugdahl.



Programme

Monday 28	8 October 2024	Tuesday 29	October 2024
9.30-10.00	Registration and coffee	8.00-9.00	Breakfast and check out
10.00-10.15	Welcome and practical information Organising Committee	9.15-09.45	Youth well-being Pernille Bach Steen Dept. of Occupational Medicine
10.15-10.45	Heat stress Alexander Gorny Dept. of Occupational Medicine Aarhus University Hospital	9.45-10.15	Risk of livestock-associated MRSA infection in persons without known contact to livestock: Influence of
10.45-11.15	Environmental risk factors and acute myeloid leukemia - and difficulties in definitions Mette Hyllegaard Madsen Dept. of Occupational and Environmental Medicine Aalborg University Hospital		wind and distance to pig herds Martin Rune Hassan Hansen ¹Dept. of Public Health, ¹BERTHA Aarhus University ³Dept. of Infectious Diseases Aarhus University Hospital
11.15-12.15	Retire statistical significance: a world beyond p<0.05 (online) Morten Schmidt	10.15-11.30	The labour market over 35 years Johan Hviid Andersen Dept. of Occupational Medicine Goedstrup Hospital
	Dept. of Clinical Epidemiology Aarhus University Hospital	11.30-12.00	Evaluation and closing remarks Organising Committee
12.15-13.00	Lunch and check in	12.00-13.00	Lunch and goodbye
13.00-15.00	Team-building event		
15.00-15.15	Break		
15.15-16.15	Climate change: environmental and occupational exposures in the future (online) Manolis Kogevinas ISGlobal Barcelona, Spain		
16.15-17.00	Mental health at the beginning of work life Trine Nohr Winding Dept. of Occupational Medicine Goedstrup Hospital		Please register before 27 August 2024
17.00-18.30	Break		to Kirsten Pugdahl: kirpug@rm.dk
18.30-19.00	Dry Ramazzini		
19.00-	Dinner		Danish Ramazzini Centre Dept. of Public Health Aarhus University
			Dept. of Occupational Medicine Aarhus University Hospital
		Univer	Dept. of Occupational Medicine, rsity Research Clinic, Goedstrup Hospital
		Dept. of O	ccupational and Environmental Medicine Aalborg University Hospital

PhD course: Omics in environmental and occupational medicine

The PhD course was held on November 18-20 at Sandbjerg Manor and was attended by 15 researchers with different backgrounds and nationalities. The PhD course was one of the outcomes of the Ramazzini guest professorship of Prof. Karin Broberg, Lund University and Karolinska Institute.

Course Omics in environmental and occupational medicine



ECTS: 2.5

Course fee: 4,017.50 DKK

Cancellation deadline: 24/09/2024

Course leader: Henrik Kolstad

Status: Course is finished

Course type: Residential course

Graduate school: Faculty of Health

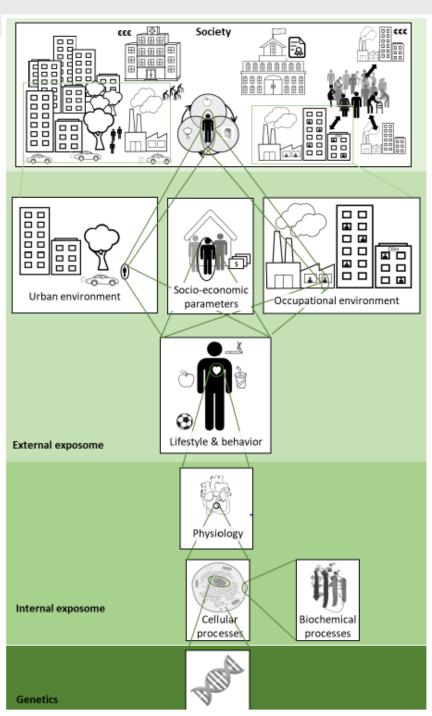
Semester: Fall 2024

Start date: 18/11/2024

Graduate program: ClinFO
Application deadline: 24/09/2024

Administrator: Thilde Møller Risgaard

Sign in to register >



Program, updated 17/11/2024

Day 1	Introduction and basic tools	Lecturer
12.00	Lunch	
13.00-13.30	Introduction to omics and course admin	Karin Broberg
13.30-14.15	External exposomics: JEM, sensors	Vivi Schlünssen
14.15-15.00	Internal exposomics: proteomics	Johan Palmfeldt
15.00-15.30	Coffee break	
15.30-16.15	Internal exposomics: metabolomics	Martin Hansen
16.15-17.30	Journal club I incl plenary summary	Karin Broberg and Vivi Schlünssen
18.00-	Dinner	
Day 2	Data analysis	
8:45	Photo session	All
9.00-9.45	Internal exposomics: epigenomics	Karin Broberg
9.45-10.30	Big data - linking internal and external	Bertram Dalskov Kjerulff
	exposomics and health outcomes including	
	registry data	
10.30-11.15	Pathway analysis	Anda Gliga
11.15-12.00	Emerging omic topics and laboratory platforms	Anda Gliga
12.00-13.00	Lunch	
13.00-13.45	Adverse outcome pathways, AOP	Ulla Vogel
13.45-14.30	Data visualization	Jens Boldsen
14.30-15.00	Coffee	
15.00-16.30	Journal club II incl plenary summary	Karin Broberg and Vivi Schlünssen
16.30-17.00	Recap and conclusions	Karin Broberg
18.00-	Dinner	
Day 3	Own research	
9.00-11.30	Case study/ Presentation of own research*	Karin Broberg and Vivi Schlünssen
12.00-13.00	Lunch	
13,00	End of course	



Projects

Ongoing PhD Projects 2024

PhD student	Project title	Main supervisor	Department	Enrolled	Funding
Lise Dueholm Bertelsen	Environmental and Occupational Exposures and Risk of Acute Myeloid Leukemia and Multiple Mye- loma	Marianne Tang Severinsen	Aalborg UH	01.09.2024	Sygeforsikringen "danmark"
Alexander Jahn Jensen	Occupational mechanical exposures and upper body osteoarthritis	Annett Dalbøge	AUH	01.06.2024	Gigtforeningen, AMFF
Lea Nørgaard Sørensen	Stop for Stress - a randomized controlled trial of an online treatment for work-related stress	Zara Ann Stokholm	AUH	01.04.2024	AMFF, Helsefonden
Mette Hyllegaard Madsen	Environmental exposures and risk of hematologic cancers.	Jakob Bønløkke	Aalborg UH	01.08.2023	Sygesikring Danmark
Mathias Moselund Rønnow	Occupational mechanical exposures and severe low back disease	Johan Hviid Andersen	RHG	01.12.2022	AMFF
Pernille Bach Steen	The trajectory of stress from adolescence to young adulthood	Karin Biering	RHG	01.08 2022	Sygeforsikringen "danmark"
Christine Leonhard Birk Sørensen	Better mental health in adolescence	Karin Biering	RHG	02.02 2022	Sygeforsikringen "danmark" og KV fonden
Theresa Møller Kynde	Working-life exposome and the association with lung function and obstructive lung disease among men and women	Vivi Schlünssen.	AU	01.02 2022	EPHOR (Exposome Project for Health and Occupational Research)
Jesper Medom Vestergaard	Shift work and risk of cardiovascular disease, breast cancer and depression, a 14-year follow-up study on payroll data	Henrik Kolstad	AUH	01.01 2022	AMFF
Vivi Just-Nørregaard	The role of psychosocial stressors and social inequality in adoladolescence and young adulthood and later risk of prediabetes or type 2 diabetes	Johan Hviid Andersen	RHG	01.09 2020	IKM, AU
Asbjørn Kloppenborg	How to synchronize Big Data in health care research in an ethically acceptable manner?	Torben Sigsgaard	AU	01.09 2019	Novo Grand Challenges, BERTHA
Christine Cramer	AiRMA - the Airborne and the Respiratory Microbiome and Allergic Diseases	Vivi Schlünssen	AU, AUH	01.07 2019	AU Health

PhD student	Project title	Main supervisor	Department	Enrolled	Funding
Birgith Engelst Grove	Anvendelse af patientens egne oplysninger (PRO) til ambulant opfølgning hos patienter med kronisk nedsat nyrefunktion	Niels Henrik Hjøllund	RHG	01.09 2018	Karen Elise Jensens Fond, Trygfonden, Helsefonden
Mette Jørgine Kirkeby	Unges introduktion på arbejdsmarkedet og ar- bejdsmarkedstilknytning - betydningen af sårbar- hed, arbejdsmiljø og arbejde-privatliv konflikter.	Johan Hviid Andersen	RHG	01.04 2014	AMFF

Completed PhD Projects 2009-2024

Candidate	Thesis title	Main supervisor	Department	Defence	Funding
Jane Bjerregaard Lauridsen	Systematic evaluation of working conditions and organisation of individual work - a model to decrease sick leave during pregnancy	Rikke Damkjær Maimburg	AUH	10.10 2024	Sundhedsstyrelsen, Arbejdsmiljøforskningsfonden og Region Midtjylland
Charlotte Gabel	Health effects from dwelling retrofitting projects in Denmark - A real-life longitudinal intervention study in an interdisciplinary framework.	Torben Sigsgaard	AU	16.08 2024	Innovationsfonden, Realdania
Karoline Kjærgaard Hansen	The chemical and biological work environment when recycling municipal waste: The RECYCLE-project	Henrik Kolstad	AUH	15.03 2024	AMFF
Inge Brosbøl Iversen	Occupational dust exposure and early pulmo- nary diseases. A study of dust levels and CT findings, the EkSACT-study	Henrik Kolstad	AUH	19.01 2024	AMFF
Linda Christie Andrea	Impingement-related shoulder disorders – prognosis and choice of treatment: a prospective cohort study	Annett Dalbøge	AUH/RHG	06.11 2023	AMFF
Alexandra Golabek Christi- ansen	Risk and prevention of dermatitis and skin sen- sitization following occupational exposure to epoxy components	Henrik Kolstad	AUH	25.08 2023	AMFF
Cecilie Rud Budtz	Physiotherapists' use of red flags as a screening method for detection of serious pathology in primary care	David Høyrup Christiansen	RHG	09.12 2022	Danske Fysioterapeuters Fond for forskning, uddannelse og praksisudvikling, Fysioterapi- praksisfonden, RMs Praksis- forskningsfond, Forskningsfond Hospitalsenheden Vest og Aar- hus Universitet
Søren Mose	Trajectories of health care service utilisation in people with musculoskeletal disorders in Denmark	Johan Hviid An- dersen	RHG	28.10 2022	VIA University College, Gigt-for- eningen, NIDO, RHG
Mia Klinkvort Kempel	The impact of social inequality and insecurity on the risk of early signs of cardiovascular and metabolic disease in young adults	Johan Hviid An- dersen	RHG	23.09 2022	Karen Elise Jensens Fond, RMs sundhedsvidenskabelige forsk- ningsfond

Candidate	Thesis title	Main supervisor	Department	Defence	Funding
Birgitte Hamann Laustsen	Occupational asthma and allergy in the Green- landic fish processing industry	Jakob Bønløkke	AAUH	27.06 2022	Polar Seafood, Royal Green- land, Grønlands Sundheds-vi- denskabelige Forskningsråd, Arbejdsmarkedets parter, Ar- bejdsmiljørådet, Grønlands-ban- ken, AMFF
Karin Rosenkilde Laursen	Acute health effects of fine and ultrafine parti- cles in indoor air - A human exposure study among vulnerable population subgroups	Torben Sigsgaard	AU	10.12 2021	Realdania, AU
Signe Hjuler Boudigaard	Occupational Exposure to Respirable Crystal- line Silica, Styrene and risk of Autoimmune Rheumatic Diseases.	Henrik Kolstad	AUH	24.02 2021	AMFF
Signe Timm	Asthma and farm exposure in early life and across generations.	Vivi Schlünssen	AU	29.01 2021	Sektion for Miljø, Arbejde og Sundhed, AU
Martin Rune Hansen	VEctor Control, Asthma and Diabetes in Uganda (VECADU)	Vivi Schlünssen	AU	16.06 2020	AU, NFA
Kristoffer Norheim	Physical fitness among older manual workers	Pascal Madeleine	AAUH, AAU	12.06 2020	AMFF
Liv Marit Valen Schougaard	Liv efter apopleksi	Niels Henrik Hjøl- lund	RHG	04.06 2020	RM
Kathrine Pape	Stress faktorer på arbejde og i privatliv hos gravide kvinder: Betydning for astma og andre allergiske sygdomme hos børnene	Vivi Schlünssen	AU	15.05 2020	AMFF
Per Høgh Poulsen	Social inequality in childhood and later effects on mental health and overweight	Johan Hvid Ander- sen	RHG	24.02 2020	Karen Elise Jensens fond og Herning kommune
Sofie Büneman Dalsgaard	Environmental Asbestos Exposure During Childhood and Cancer Risk Later in Life - A Long-term Register-based Cohort Study.	Øyvind Omland	AAUH	30.04 2019	Health, AU
Sorosh Tabatabaeifar	Carpal tunnel syndrome and work: time course of nerve impairment, incidence rates as sentinels of harmful occupational exposure, and prognosis	Poul Frost	AUH	30.11. 2018	AMFF
Marie Vestergaard Vad	Predictors of inguinal hernia repair and chronic postoperative pain - impact of occupational mechanical exposures	Poul Frost	AUH	29.10. 2018	AMFF

Candidate	Thesis title	Main supervisor	Department	Defence	Funding
Dorte Raaby Andersen	Fængselsbetjentes håndtering af følelsesmæs- sige krav og belastninger i arbejdet	Thomas Lund	RHG	18.04 2018	AMFF
Stine Daugaard	Occupational light exposure, melatonin, and vitamin D	Henrik Kolstad	AUH	15.12 2017	KI
Pia Viuf Ørby	Cross-Disciplinary studies on pollen in health and environmental sciences	Vivi Schlünssen	AU	13.12 2017	AU
Anita Eskildsen	Work-related stress and cognitive impairments – a longitudinal clinical study	Johan Hviid An- dersen	RHG	05.05 2017	AMFF
Ligaya Dalgaard	Treating patients on sick leave due to work-re- lated stress - Two randomized controlled trials of a stress-management intervention	Johan Hviid An- dersen	RHG	07.04 2017	AMFF
Thomas Winther Freder- iksen	Occupational Noise Exposure and Individual Risk Factors for Hearing Loss and Tinnitus	Henrik Kolstad	AUH	24.03 2017	AMFF
Anneli Clea Bolund	Change in lung function - The impact of organic dust exposure as well as associations with DNA methylation signatures	Vivi Schlünssen	AU	20.01 2017	AU
Mette Skovgaard Christensen	Styrene exposure and cancer risk in reinforced plastics workers – A long-term cohort study	Henrik Kolstad	AUH	02.9 2016	AMFF
Mette Lausten Hansen	Sick leave in pregnancy - risk factors and prog- nosis - Studies among Danish employed women	Cecilia Ramlau- Hansen	AUH	23.05 2016	Ramazzini, AU
Louise Pape Larsen	Life after Stroke - Self-rated health and return to work in a Danish cohort following stroke	Niels Henrik Hjøl- lund	RHG	02.03 2016	AU
Helene Tilma Vistisen	Short term effects of night shift work on risk of overall breast cancer and breast cancer classified by oestrogen and HER2 receptor status	Henrik Kolstad	AUH	18.12 2015	AMFF
Charlotte Rasmussen	Interpersonal behaviour and risk of workplace violence and threats	Annie Høegh	RHG	17.11 2015	AMFF
Annett Dalbøge	Occupational cumulative mechanical exposures as risk factors for surgery for subacromial impingement syndrome	Johan Hviid An- dersen	AUH	25.04 2015	Ramazzini, AMFF, GRASPH, Gigtforeningen, Forsknings-Ap- paratur-fonden
Else Toft Würtz	Occupational Exposure and COPD - A Danish population-based study	Øyvind Omland	AAUH	24.03 2015	Region Nordjylland

Candidate	Thesis title	Main supervisor	Department	Defence	Funding
Tanja Kirkegaard	Stress as a sociocultural phenomenon – Exploring the distributed nature of stress in an organizational context	Svend Brinkmann	RHG	06.01 2015	AMFF
Susanne Lund Kristensen	Reproductive function of young Danish women - Long-term effects of prenatal exposure to persistent environmental pollutants	Erik Ernst	AUH	17.11 2014	DSF, Beckett-Fonden, Div. lega ter og fonde
Birgit Bjerre Høyer	Prenatal exposure to persistent organic pollu- tants and physical, mental and motor develop- ment in young children	Gunnar Toft	AUH	31.10 2014	Ramazzini, AU, FP7
David Høyrup Christiansen	Physiotherapy and shoulder surgery - Exercise treatment before and after decompression surgery in patients with subacromial impingement syndrome	Susanne Wulff Svendsen	RHG	28.10 2014	Ramazzini, DSF
Trine Nøhr Winding	The transition from school to work life - Educa- tional attainment and work environment in a Danish youth cohort	Johan Hviid An- dersen	RHG	10.10 2014	AMFF
Zara Ann Stokholm	Occupational Noise Exposure, Physiological Stress, and Cardiovascular Health	Henrik Kolstad	AUH	21.02 2014	AMFF
Anne Vested	Reproductive health of young Danish men following prenatal exposure to persistent organic pollutants	Gunnar Toft	AUH	29.01 2014	FSS
Regine Grytnes	Tryghed i nuet – Arbejdssikkerhed bland tøm- rerlærlinge i Danmark	Anne Line Dalsgård	RHG	22.10 2013	AMFF
Matias Grynderup	Psychosocial working conditions, physiological stress, and the risk of depression	Henrik Kolstad	AUH	20.08 2013	Ramazzini, Lundbeck A/S
Grethe Elholm	The Effect of Farming Exposure on Allergy and Atopy	Øyvind Omland	AU	10.07 2013	Ramazzini, AU
Simon Grandjean Bam- berger	Globalization, pressure to change and psychosocial work environment: the implication of management on mental health	Øyvind Omland	AAUH	25.06 2013	AMFF
Stine Yde Nielsen	Q fever in pregnancy and fetal health: Epidemiological studies	Niels Henrik Hjøl- lund	RHG	21.06 2013	Ramazzini, AMFF
Louise Møller Pedersen	Integreret ulykkesforebyggelse, delprojekt C	Peter Nielsen	RHG	05.06 2013	AMFF

Candidate	Thesis title	Main supervisor	Department	Defence	Funding
Berit Hvass Christensen	Maternal occupational exposure during preg- nancy and the risk of allergic disease in the children	Vivi Schlünssen	AU	03.06 2013	AAMF, AU
Karin Biering	Life after Heart Disease - Patient-reported health measures and prognosis following PCI treatment	Niels Henrik Hjøl- lund	RHG	31.05 2013	AMFF, Hjerteforeningen
Jens Christian Jensen	Predictors of care-seeking in general practice for back pain and upper extremity pain - A Danish population-based study	Johan Hviid An- dersen	RHG	09.11 2012	AMFF
Morten Søndergaard Jensen	Cryptorchidism in Denmark: Studies of Registry Validity, Disease Etiology, and Timing of Cor- rective Surgery	Ane Marie Thulstrup	AUH	17.08 2012	AU
Ioannis Basinas	Dust and endotoxin exposure in animal farm- ing populations - Formulating the basis for a model-based exposure assessment approach	Torben Sigsgaard	AU	01.11 2011	AU, GRASPH
Morten Vejs Willert	Measures against work-related stress – results from a randomized, wait-list controlled trial of a group-based, cognitive behavioural stress management intervention	Ane Marie Thulstrup	AUH	01.10 2011	AMFF
Tine Rubak	Cumulative physical exposure in the work envi- ronment as a risk factor for primary osteoar- thritis leading to total hip replacement	Poul Frost	AUH	28.05 2010	AMFF
Claus Dalsgaard Hansen	En sociologisk fortælling om sygefravær	Lisbeth B. Knud- sen	RHG	09.04 2010	AMFF
Tine Halsen Malling	Glutathione Peroxidase 1 and asthma. A cross- sectional analysis of associations between ge- netic polymorphism, enzymatic activity, sele- nium concentration, oxidative stress and in- flammatory disease in a population sample	Øyvind Omland	AAUH	29.06 2009	
Torsten Munch-Hansen	Prevention of Sickness Absence - A study of associations between psychosocial work conditions and health outcomes in a large public services population	Jens Peter Bonde	AUH	12.02 2009	AMFF

Completed Research Year and Master Projects 2024

Candidate	Faculty	Thesis title	Supervisors	Department
		<u>Research year</u>		
Ida Kristensen	Medicine	Occupational solar UV exposure and the risk of skin cancer	Zara Ann Stokholm	AUH
		<u>Master projects</u>		
Amalie Harding	Psychology	Ledelsesstil og 'quiet quitting'	Lars Peter Sønderbo Andersen	RHG
Amanda Kristoffersen	Psychology	Arbejdsrelateret stress og transformativ ledelse: kan man træne den 'gode leder'?	Lars Peter Sønderbo Andersen	RHG
Andrea Havnegjerde	Medicine	Arbejdsrelaterede mekaniske belastninger og artrose i albuen	Alexander Jahn Jensen Annett Dalbøge	AUH
Benedicte Iveland	Medicine	Risk of Renal and Neurological Health Effects following Heat Exposure: A Scoping Review	Alexander Gorny Henrik Kolstad	AUH
Benedicte Christoffersen Lene Li	SDU Master	Ledelse og psykisk arbejdsmiljø i et paradigmeskifte	Lars Peter Sønderbo Andersen	RHG
Cecilie Staugaard Kirkeby	Medicine	Association between mangan exposure at work and development of neuropsychological symptoms	Lea Nørgaard Sørensen Zara Ann Stokholm	AUH
Helene Gejl Jørgensen Sofie Bruun	Medicine	Arbejdsrelaterede mekaniske belastninger og udviklingen af artrose i nakke – et systematisk review	Alexander Jahn Jensen Annett Dalbøge	AUH
Ida Marie Pedersen Line Gellert	Psychology	Familiestiftelse - karrieremæssig ballast i rygsækken eller lænke i foden?	Lars Peter Sønderbo Andersen	RHG
Imsel Taskiran	Medicine	Electrical injuries and tinnitus and hearing loss	Karin Biering	RHG
Laura Helligsø de Leon	Medicine	Association between styrene and work-related asthma	Mette Wulf Christensen Zara Ann Stokholm	AUH
Lotte Thorup	Public Health	The association between work-life balance and depressive symptoms in young adults	Karin Biering	RHG

Candidate	Faculty	Thesis title	Supervisors	Department
Louise Dahl	SDU Master	Arbejdsmiljø efter indførelse af hybridarbejde	Lars Peter Sønderbo Andersen	RHG
Morten Sjelborg-Sørensen	SDU Master	Arbejdsmotivation og self-efficacy under omstrukturering	Lars Peter Sønderbo Andersen	RHG
Pernille Alexandra Nør- gaard-Jacobsen	Medicine	Primary prevention of cow's milk protein sensitization and cow's milk allergy by regular introduction early in	Vivi Schlünssen	AU
Rikke Mølgaard Jeppesen	Medicine	Erhvervsmæssig eksponering for kvartsstøv og risiko for lungecan- cer i den danske arbejdskohorte	Signe Hjuler Boudigaard Zara Ann Stokholm	AUH
Sarah Hansen	Medicine	Tværsnitsstudie af undervisningsprogrammet PartoMa – et program til reduktion af unødige kejsersnit	Rikke Damkjær Maimburg	AUH
Sofie Secher Thomsen	Medicine	Lung-, eye-, skin-, and gastrointestinal related symptoms among production workers in the Danish recycling industry	Karoline Kærgaard Hansen Zara Ann Stokholm	AUH

Ongoing Research Projects 2024

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
AiRMA: Airborne and oral microbiome in relation to respiratory disease and allergy	The study explores the relationship between the airborne and oral microbiome and their relation to the occurrence of respiratory diseases and sensitisation.	Oral and airborne microbial samples are investigated (cross sectional and follow-up) in relation to respiraotry diseases (questionnarie), sensitisation, FeNO and lungfunction	AU (Christine Cramer, Vivi Schlünssen, Torben Sigsgaard) AUH (Henrik Kolstad)	AU: Dept.of Biology, Section for Microbiol- ogy. AUH: Dept.of Oto- rhinolaryngology, Head and Neck Surgery.	AU 1.800.000	2019-2025
Arm elevation and shoulder complaints	The aim is to examine the relationship between work with arms elevated and the risk of shoulder disorders.	The project comprises four epidemiologic studies, that uses an existing cohort of app 2½ million Danes. The outcome is surgery for subacromial impingement syndrome. Data about work with elevated arms are obtained by linking individual job information (1993-now) to a validated shoulder database with exposure targets based on technical measurements. The exposure-response relationship is examined by logistic regression controlled for other risk factors.	AUH (Annett Dal- bøge) RHG (Johan Hviid Andersen)	Bispebjerg Hospital: Dept.of Occupational and Environmental Med- icine. Washington Uni- versity. IRSET. University of Angers.	AMFF. Gigtforeningen. 2.163.364	2020-2025
ARMIE: Arrhythmia, Myocardial infarction & the Environment	The main aim of ARMIE is to examine the effect of fluctuating levels in air pollution on cardiovascular patients' risk of various cardiovascular outcomes.	The studies are mainly conducted using the case-crossover method. We include two cohorts. The first one is a cohort of ICD patients with an outcome of arrhythmias. The other cohort includes 14.000 cases of acute myocardial infarction.	AU (Asbjørn Klop- penborg, Torben Sigsgaard, Ras- mus Østergaard Nielsen)	AUH: Dept. of Cardiology	Karen Elise Jensens Fond 3.170.000	2021-2024

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
ful exposure to as-	Collect samples and measure asbestos exposure in a representative part of work tasks within demolition and renovation of buildings in Denmark. To optimise and if possible, partly automatize measurement and registration methods. To estimate the occurrence of fibrosis on CT scans of construction workers.	Wearable and stationary measurements at the construction sites. Development of app and lab techniques.	Aalborg UH (Jakob Bønløkke) AU (Vivi Schlüns- sen, Torben Sigs- gaard) AUH (Henrik Kol- stad, Inge Iversen)	Joblife Kolding. AMI.	AMFF 3.000.000	2019-2024
Association between workplace environmental factors and the development of chronic obstructive pulmonary disease (COPD)	To present an updated review of international literature on the link between occupational airborne exposures and COPD risk. Previous studies show that exposure to organic and mineral dust particles is linked to increased COPD risk. However, knowledge about the risks from specific exposures is limited, and there is insufficient data to assess the extent of the risk relative to exposure levels, which is crucial for setting limit values and evaluating work injury claims."	Systematic review and meta- analysis of existing epidemio- logical literature.	AUH (Mette Lausten Hansen, Zara Ann Stokholm, Henrik Kolstad) Aalborg UH (Jakob Bønløkke, Else Toft Würtz, Øyvind Omland) AU (Vivi Schlünnsen)	Bispebjerg Hospital: Occupational and Environmental Medicine. University of Copenhagen: Dept. of Public Health. Grindsted Hospital: Dept. of Epidemiology. Hvidovre Hospital: Dept. of Respiratory Diseases	AMFF 1.133.640	2024-2025
Association between work-related strain and development of Dupuytren's contracture (contracture of the hand)	Dupuytren's contracture is not listed as an occupational disease, as there has not yet been sufficient medical evidence of a causal relationship. However, in recent years, several articles and reports have been published pointing to a possible link between exposure to work-related strain and the development of Dupuytren's contracture.	Systematic review and meta- analysis of existing epidemio- logical literature.	AUH (Annett Dal- bøge, Alexander Jahn Jensen) RHG (Johan Hviid Andersen)	Angers University hospital, France	AMFF 593.018 kr.	2023-2024

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
BERTHA (Big Data Centre for Environ- ment and Health).	BERTHA aims to explore the environment's (air, water and soil) effect on somatic disorders.	Studies of the Danish population via registers, including health-, social-, and environmental registers.	AU (Vivi Schlüns- sen, Torben Sigs- gaard, Signe Frandsen, Jörg Schullehner, Ras- mus Østergaard, Asbjørn Kloppen- borg)	AU: ENVS CIRRAU. AUH: DBDS, Heart. Utrecht University. Harvard School of Public Health.	Novo Nordisk Fonden 15.000.000	2019-2025
BIOFUEL	To investiage the health implications of working with biofuel	Clinical examinations, exposure assesments and questionnaries of workers at biofuel plants in 2003 and again in 2024	AU (Vivi Schlünssen, Chris- tine Cramer)	NFA	AMFF 3.100.000	2023-2026
BioNet: Euro-African Biomonitoring Net- work	The overall objective of this project is closer cooperation between European (Belgium, Luxembourg, and Denmark) and African (Morocco, Benin, and Ethiopia) universities by co-building capacities in environmental health for the assessment of environmental exposure in the population.	Multidisciplinary approach to establish and operationalize sentinel surveillance systems for environmental and occupational health in Morocco, Ethiopia, and Benin through need assessment to identify local health risks and data gaps; capacity building via training sessions and e-learning modules for local researchers and health professionals; and data collection and setting up sentinel surveillance through Human Sentinel Surveillance Platform (HSSP)	AU (Vivi Schlüns- sen, Anupa Rijal, Maria Wielsøe)	The project is coordinated by KU Leuven, Belgium. University Partners: Morocco (UEMF, UMI), Ethiopia (JU, HU), Benin (UP, UAC), Luxembourg (UL, LNS) and associate partner IDEWE, Belgium	Co-funded by the European Union (Erasmus+) 785.840 Euro	2023-2026
CARDit: Shift work and risk of cardiovas- cular disease and breast cancer, a 10- year follow-up study based on daily work hour recordings.	To explore the relationship between shift work and cardiovascular disease and breast cancer, the importance of duration and intensity of work time patterns and potentially vulnerable groups of workers.	Follow-up study of 340.000 regional employers 2007-2020. Daily data about work time from Danish Working Hour Database, outcome data from the National Patient Register. Rate ratios are estimated in Poisson models adjusted for a series of covariates.	AUH (Jesper Vestergaard, Annett Dalbøge, Henrik Kolstad)	Finnish Institute of Occupational Health. NFA. KU: Dept.of Public Health.The Danish Cancer Society. AUH: Dept. of Plastic and Breast Surgery. Bispebjerg Hos-	AMFF 2.820.000	2019-2025

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
				pital: Dept.of Occupa- tional and Environmen- tal Medicine.		
COBRA: COVID-19 among Regional Em- ployers.	The aim is to identify risk factors for SARSCov-2 infection among hospital workers.	A longitudinal study with daily questionnaires linked to PCR and serology for SARS-CoV-2 and other register-based information of health and work.	AUH RHG AU	Bispebjerg Hospital: Dept.of Occupational and Environmental Med- icine.AUH: Depts of In- fectious Diseases, Clini- cal Immunology, and Clinical Microbiology	AMFF. Region Midtjylland 2.325.000	2020-2024
Development of a Questionnaire for Measuring Musculo- skelatel Health Cli- mate	Develop and validate a theoretically and empirically well-founded multidimensional questionnaire that measures companies' climate related to musculoskeletal disorders.	Interviews and questionnaires	RHG (Kent Nielsen, Dorte Raaby Andersen, Sarah Holm Junge Jensen)	Hospitalsenhed Midt	AMFF (999.240)	2024-2025
Dietary Nitrate: Friend or Foe?	Confirm our results from nationwide register-based cohort studies on nitrate exposure and cancer in the Danish Diet Cancer and Health Cohort	Epidemiology, GIS	AU (Jörg Schullehner)	Kræftens Bekæmpelse	"World Cancer Re- search Fund, DFF 220.000	2020-2026
Digital harassment - How do we prevent digital harassment in the workplace?	To investigate digital harassment in both private and public workplaces.it will develop and evaluate guidelines for preventing digital harassment, in collaboration with trade unions, management, and relevant authorities.	Questionnaire and interview.	RHG (Trine Nøhr Winding, Helene Meldgaard Peder- sen, Lars Peter An- dersen)	Odense University Hospital: Occupational And Environmental Medicines	AMFF 2.751.960	2023-2026
DOC*X DUST Working in dust and ischemic heart dissease. A na- tional register-based follow-up study from 1970-2020	The purpose is to investigate the risk of acute myocardial infarction and early atherosclerosis in the coronary arteries of the heart due to short- and long-term exposure to mineral		AUH (Zara Ann Stokholm, Henrik Kolstad) AU (Vivi Schlüns- sen)	Bispebjerg Hospital: Dept.of Occupational and Environmental Med- icine.	AMFF 3.408.000	2022-2024

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
	dust (quartz), organic dust (endotoxin, wood dust), motor exhaust particles, and metalcontaining particles.					
EkSACT: Occupational dust exposure and early pulmonary diseases	The study aims to analyse the relationship between dust levels and early COLD and lung fibrosis and to determine the occurrence of early COLD and lung fibrosis in professions and fields in the Danish labour market.	A cross-sectional study of 25.000 employers who have had a lung CT scan. The extent of lung changes is decided by CT-analysis software. Dust exposure is estimated from the participants' work history and job exposure matrices.	AUH (Inge Brosbøl Iversen, Henrik Kolstad, Else Toft Würtz, Zara Ann Stokholm) AU (Vivi Schlüns- sen). Aalborg UH (Jakob Bønløkke)	Bispebjerg Hospital AUH: Depts. of Radiol- ogy, Respiratory Disea- ses and Allergy, Medical Technology. Herlev and Gentofte Hospital Utrecht University: Insti- tute for Risk Assess- ment Sciences.	AMFF 3.600.000	2020-2024
Environmental and occupational exposures and risk of acute myeloid leukemia and multiple myeloma	The project aims to investigate the causes of geographical variation in acute myeloid leukemia and bone narrow cancer, which show unexpected 'hot spots' in Denmark. It will examine the impact of PFAS in drinking water, radon bacground radiation, and occupational exposure.	Register study	Aaborg UH (Lise Dueholm Bertel- sen, Jakob Bøn- løkke)	Aaborg UH (Dept. of Haemotology)	Sygeforsikringen "danmark"	2023-2026
Environmental exposures and risk of hematologic cancers	The project aims to investigate environmental factors that may increase the risk of developing Acute Myeloid Leukemia (AML), the most common type of blood cancer in adults. Despite its prevalence, little is known about the causes of AML. The study will focus particularly on PFAS, a group of human-made chemicals that affect everyone to varying degrees.	Register Study	Aaborg UH (Mette Hyllegaard Mad- sen, Jakob Bøn- løkke)		Sygeforsikringen "danmark"	2024-2026

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
EnzymA - safe Work with Enzymes, Aller- gies, and Asthma	The main objective is to investigate exposure-response relationships for enzymes in the work environment, enzyme allergies, and asthma, as a basis for health-based exposure limits.	Analyses of 800 enzyme measurements from 550 employees in the feed industry and agriculture for enzyme allergy and asthma. Long-term exposure is estimated using 15-year-old dust samples and work histories. Exposure-response relationships will be assessed using logistic regression, adjusted for smoking and other factors. A registry study will examine asthma in feed industry and agricultural workers over 40 years. Meta-regression combines these results with published data to inform health-based exposure limits for enzyme work.	AUH (Zara Ann Stokhom, Karoline Kærgaard Hansen) AU (Vivi Schlüns- sen, Torben Sigs- gaard)	AUH: Dept. of Respira- tory Diseases and Al- lergy. Grindsted Hospi- tal, AU: Engineering Sci- ences, SEGES, IFF, IPA	AMFF. Karen Elise Jensens Fond 4.654.495	2023-2027
EPHOR: Exposome project for health and occupational research.	This EU project seeks to explore the relationship between all work related exposures (working life exposome) and chronic diseases. DRC is partner in more work packages, the most important being WP6 (Working life exposome, lung function and COPD), WP2 (Assessment of multiple exposures in large populations), and WP5 (EPHOR mega cohort).	EPHOR applies existing data from cohorts with occupational information in combination with the collection of new data of both exposure and outcome focusing on night work (WP7) and respiratory disease (WP6). JEMs are central in EPHOR, including the development of a EuroJEM.	AU (Anne Mette Würtz, Theresa Kynde, Kirsten Østergaard, Chris- tine Cramer, Vibeke Gutzke, Torben Sigsgaard, Vivi Schlünssen) AUH (Henrik Kol- stad, Annett Dal- bøge)	18 European partners. The coordinating centre is TNO from Holland.	Horizon 2020. SCi- BHC-2018-2020 8.600.000	2020- 2025
IDUM: Inflammatory diseases - does place of upbringing matter? A nationwide regis- ter-based follow-up study	The project aims to investigate place of upbringing as related to inflammatory diseases including gene-environment interactions.	Based on Danish nationwide registers, the study population comprises the whole Danish population. For a sub-study focusing on gene-environment interactions, the Danish Blood Donor Cohort is applied. Data comes from the CPR register,	AU (Louise Lind- holdt, Vivi Schlünssen, Tor- ben Sigsgaard, Jörg Schullehner)	AU: Department of Envi- ronmental Science. AUH: Department of Clinical Immunology, Aarhus University Hos- pital (DBDS)	Independent Research Fund Denmark 2.830.670	2022-2025

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
		DNPR, NPR, CHR, etc. Data will be analyzed using various de- signs and statistical methods e.g. conditional logistic regres- sion, cox regression models, GIS.				
Importance of psychosocial stressors and social inequality in adolescence and early adulthood for the risk of developing prediabetes (PD) and type 2 diabetes (T2D)	1) To examine the relationship between psychosocial stress in adolescence and early adulthood and the risk of PD and T2D. 2) To examine the importance of loneliness and stigmatisation for weight in adolescence and early adulthood. 3) To identify psychosocial risk factors in adolescence and early adulthood as predictors of PD and T2D.	All sub-studies in this ph.dproject use data from the Vestliv cohort, including data from a new collection round in 2021. Register data will also be applied. Information of the participants' PD or T2D status is collected via blood tests, measuring the HbA1c level etc.	RHG (Vivi Just-Nør- regaard, Trine Nøhr Winding, Jo- han Hviid Ander- sen)	AU: Dept.of Psychology and Behavioural Sci- ences. Steno Diabetes Center Aarhus.	Dept of Clinical Medicine, AU 1.800.000	2020-2024
Inflamm@work: Work life, inflammation, and prevention of cardiovascular dis- eases – a nordic bi- obank study	The project aims to investigate the link between common workplace exposures, inflammation, and cardiovascular diseases. This knowledge is essential for establishhing health-based exposure limits and effective prevention strategies.	The study includes 6.044 participants from 8 studies on dust, shift work, psychosocial stress, and noise conducted between 1992-2020. Data on workplace exposures, inflammation markers from blood samples, and cardiovascular disease incidence from health registers will be analyzed. Exposure history will be mapped using the DOC*X database and job-exposure matrices. Lifestyle, air pollution, and traffic noise data will also be considered. Exposure-response relationships will be examined using statistical and machine learning methods.	AUH (Zara Stokholm, Karoline Kærgaard Hansen, Henrik Kolstad) AU (Vivi Schlünssen, Torben Sigsgaard) RHG (Johan Hviid Andersen, Marianne Kyndi) Aalborg UH (Jakob Bønløkke)	AUH (Dept. Of Clinical Biochemistry). RHG: Car- diac research clinic, West. NFA. Lund Univer- sity, Sweden.	AMFF 4.454.358	2024-2026

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
Integrated accident prevention in practice	Test an initiative for preventing workplace accidents in small iron and metal companies.	Interviews, audits, question- naires, observation	RHG (Kent Niel- sen, Lars Peter An- dersen)	Avidenz	AMFF 2.497.324	2022-2025
INTERCAMBIO	To explore mental and physical health in workplaces affected by the green transition. As part of the HORIZON EUROPE program, INTERCAMBIO seeks to address climate change, support the UN's Sustainable Development Goals, and enhance the EU's competitiveness and growth.	Laboratory measurements, sensors, questionnaires	AUH (Alexander Gorny, Karoline Kærgaard Hansen, Kirsten Pugdahl, Henrik Kolstad) AU (Vivi Schlünssen)	ERASMUS MC, Rotterdam, NL. The Capital Region of Denmark, DK. Karolinska Institute, S. Lund University, S. KU Leuven, B. Hogskolan Halmstad, S. TNO, NL; Nova University, Lissabon, P; IISPV, Reus, E; IsGLOBAL, Barcelona, E (coordinator).	Horizon Europe 5.850.000	2024-2028
Investigating changes in self-perceived health in individuals with MCS when moving to specially MCS-friendly housing.	Interdisciplinary resarch project focusing on collecting qualitative and quantitative knowledge from persons with diverse chemical hypersensitivity before and after moving into new allergy-friendly housing.	The qualitative study comprises interviews with app. 7 of the persons wishing to move into the new housing. The quantitative study comprises a questionnaire regarding symptoms and self-reported health sent to all occupants and repeated after 6, 12 og 24 months.	Aalborg UH (Jakob Bønløkke)	Boligforeningen Ring- gaarden	Realdania	2023-2027
LowAs: Health effects of long-term low-level drinking water arse- nic exposure	Estimate Arsenic exposure from drinking water in Denmark and various health effects	Register-based cohort studies, pilot study among private well users, GIS	AU (Jörg Schullehner, Thoranna Gil- bertsdottir, Tor- ben Sigsgaard)	AU: NCRR, Geosciences, GEUS, US National Can- cer Institute, US Geolog- ical Survey, Karolinska	DFF 3.000.000	2024-2026
MARCHES: Methodologies for Assessing the Real Costs to Health of Environmental Stressors	Estimate the societal costs of air and drinking water pollution	Systematic Reviews	AU (Jörg Schulleh- ner, Torben Sigs- gaard, Hani Moha- med)	AU ENVS, Umeå Univer- sitet, ISGlobal Barcelona + various other EU part- ners	EU Horizon AU to- tal: 12.000.000 (shared with ENVS)	2023-2026

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
Measuring precarious work among young Danish employees.	The overall aim is to develop and validate a Danish questionnaire to measure precarious work among young employees in the Danish labour market. The aim is also 1) to explore the organisational work environment and the mental health of precarious workers, and 2) to identify psychological and social risk factors in adolescence and early adulthood for precarious work among young employees.	Method: Literature search, Operationalisation and adaptation of the term precarious work via theoretical discussions with sociologists and the labour market parties, Formulation of questions and answer scales based on above and available validated measuring tools, a Pilot test of a new measurement tool, Distribution of a questionnaire in the existing cohort study VestLiv year 1983+1989. Examine the reliability and validity of the developed questionnaire.	ding, Karin Bie-	AAU: Dept.of Sociology and Social Work (Ras- mus Juul Møbjerg)	Velliv Foreningen 2.385.136	2021-2024
Mechanical exposures at work and the risk of developing severe lower back disorders.	The aim of the project is to strengthen the prevention of severe lower back disorders resulting from mechanical exposures at work by generating new knowledge about causal relationships and prognosis.	Register-based epidemiology	RHG (Mathias Moselund Rønnow, Johan Hviid Andersen, David Høyrup Christiansen)		AMFF 2.200.000	2022-2024
Mentalization train- ing for leaders	The aim of the project is to develop, test, and evaluate a leadership training program for multiple management levels in small and medium-sized enterprises, where leaders enhance their relational skills through mentalization training.	Questionnaire, interview	RHG (Lars Peter Andersn, Sarah Holm Junge Jen- sen, Trine Nøhr Winding)	Aalborg University: De- partment of Communi- cation and Psychology	Vellig Foreningen 4.916.508,16	2024-2026
Monitoring of PFAS in young Danes of re- productive age	The aim of the project is to de- termine PFAS levels in the blood of a representative sam- ple of young Danes	A representative sample of young individuals aged 18-28 years will be selected ensuring geographic and demographic diversity. Blood samples from	Aaborg UH (Mette Hyllegaard Mad- sen, Jakob Bøn- løkke)	Holbæk Hospital, Bispe- bjerg Hospital, Syd- dansk Universitet, Gød- strup Hospital	SST	2024-2026

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
		the participants will be analysed for the most prevalent PFAS compounds.				
Parkinson map of Denmark	Map incidence and prevalence of Parkinson's Disease in Denmark	Register-based epidemiology, GIS	AU (Jörg Schullehner)	Gødstrup Hospital	Parkinsonforeningen 70.000	2024-25
PRO-MENTA: Consequences of organisational changes for productivity and mental health.	The project aims to examine the consequence of major organisational changes for employee sickness absence and mental health and workplace productivity and staff turnover to identify risk factors for negative consequences.	A cohort study based on all employees at Aarhus University Hospital in the period 2013-2020. The persons are embedded in their departments and the departments are set equal at an index month 0 defined by moving time. The cohort is followed-up in regional and national registers from 2 years before and 2 years after the move. The exposure is divided into move, move+division, and move+merging.	AUH (Morten Vejs Willert, Lea Nør-	AU: Dept.of Psychology and Behavioural Sci- ences. Bispebjerg Hospital: Dept.of Occupational and Environmental Med- icine.	Velliv Foreningen 2.120.134	2021-2024
PRO-RISK: Prognosis for future work life and health and iden- tification of groups at risk for work-related disorders	Aim: 1) To establish a national occupational medicine cohort. 2) To explore the long-term prognosis for the major patient groups. 3) To develop prognostic models for work and health for patients with occupational mental health problems.	The cohort is established in collaboration with DOC*X and includes app. 160.000 patients examined at the occupational medicine clinics from the year 2000 and forwards. Register data are obtained from 5 years before inclusion and forwards from the National Patient Register, the Public Health Insurance Register and DREAM and other registers. Furthermore, matrices of mental work environment, lifestyle etc. developed by DOC*X is used. The project is solely register-based.	AUH (Morten Vejs Willert) RHG (Marianne Kyndi)	AU: Dept.of Psychology and Behavioural Sci- ences.	AMFF 1.647.000	2019-2024

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
PROTECT: Groundwa- ter Protection in a Changing Landscape	How to secure healthy drinking water in an agricultural landscape, calculating healthrelated co-benefits for mitigation measures of nitrogen use	Register-based epidemiology, GIS, health economics	AU (Jörg Schullehner)	GEUS, KU, SDU, Miljøsty- relsen, Central Denmark Region, Samsø Munici- pality, SkyTEM Aps	Innovation Fund Denmark 557.000	2025-2029
Ramazzini guest pro- fessor	To establish the Danish Ramazzini Centre Biobank, a research infrastructure compiling nine Ramazzini cohorts with biobanked material with the objective to delineate work life exposures, biological mechanisms and chronic diseases.	Close collaboration with Karin Broberg, Lund University and Karolinska Institutet as a visit- ing professor at Danish Ramaz- zini Center.	AUH, RHG, AU, AAUH	Lund University, Karo- linska Institutet, NFA	AUFF 223.000	2022-2024
Reduction of slip and fall accidents through industry-specific footwear and surfaces.	To reduce the occurrence of fall accidents by investigating and mapping the mechanisms that are relevant and optimal for ensuring the best slip resistance in different work environments across industries, such as distribution, pharmaceutical, food, and oil industries.	Laboratory measurements, sensors, questionnaires	RHG (Kent Niel- sen)	Aalborg University: De- partment of Health Sci- ence and Technology	AMFF 2.193.127 (76.800)	2023-2025
Relational Violence Prevention	A controlled intervention study to prevent students' external- izing behavior in primary school by strengthening pro- fessionnals' relational compe- tence in practice	Questionnaire, interview, video recording, observation	RHG (Lars Peter Andersen, Anna Helene Meldgaard Pedersen, Sarah Holm Junge Jen- sen, Trine Nøhr Winding)	Eduk	AMFF 4.342.291 (2.419.740)	2024-2027
RHINE: Risk factors for asthma in adults	RHINE aims to analyse risk factors for respiratory disease and allergy.	Cohort study based on questionnaires and clinical evaluations.	AU (Vivi Schlünssen, Torben Sigsgaard, Signe Timm, Kathrine Pape Madsen)	Nordic Multicentre study, 7 centres.	Træstøvsfonden 460.000	2010-2026

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
RHINESSA: Trans-generational study of asthma, allergy and inflammatory bowel disease	RHINESSA aims to analyse risk factors for respiratory disease and allergy in generations.	Cohort study based on questionnaires and clinical evaluations.	AU (Vivi Schlüns- sen, Torben Sigs- gaard, Signe Timm, Kathrine Pape Madsen)	International multicen- tre study, 12 centres.	AU Træstøvsfon- den 2.000.000	2013-2026
SAFE-FIT: Safe Use of respirators – evalua- tion of fit testing	The project aims to assess whether employees correctly fit respiratory protection and if fit testing improves fit over time. It will also explore user and company perspectives on fit testing	PortaCount measurements of workers in different industries.	AUH (Sorosh Taba, Alexander Gorny, Zara Stok- holm, Mette Lau- sten, Henrik Kol- stad) Aalborg UH (Jakob Bønløkke) RHG (Signe Boudi- gaard, Marianne Kyndi)		AMFF 2.040.000	2024-2026
SERMAB: Styrene Ex- posure and Risk of Malignant Blood dis- eases	To examine if exposure to styrene, a versatile plastic, increases the risk of malignant blood diseases in humans.	Follow-up study of 100.000 persons, who since 1947 have worked in 762 fibreglass companies in Finland, Italy, Great Britain, USA and Denmark. Malignant blood diseases are identified in national registers of causes of death and cancer registers. Exposure levels are determined using an industry-specific quantitative JEM.	AUH (Mette Wulf Christensen, Hen- rik Kolstad) AU (Vivi Schlüns- sen)	AUH, Haematology, Finnish Cancer Registry, San Martino Teaching Hospital, Liguria Meso- thelioma Registry, Emili- a-Romagna University Hospital, Turin MRC, Life Course Epidemiolo- gy Unit Southampton, IOM, NIOSH, IsGloba, University of Nebraska, IARC, STAMI.	Karen Elise Jensens Fond 2.500.000	2021-2024
SPRINT: Sustainable plant protection products and their effects on ecosystems, plants, animals and humans	SPRINT aims at exploring pesticides (plant protection products) in humans, animals, plants and ecosystems in 11 European countries and Argentina.	Among conventional and ecological farms, neighbours and closely living families, we will examine the pesticides levels. Based on these results we will develop a tool to evaluate the pros and cons of pesticide use in the EU.	AU (Anne Vested, Kirsten Øster- gaard, Vibeke Heitmann Gutzke, Torben Sigsgaard, Vivi Schlünssen)	21 European partners. The coordinating centre is Wageningen Univer- sity in Holland.	Horizon 2020. H2020-SFS-2018- 2020. 1.567.000	2020- 2025

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
Stop for Stress - a randomized controlled study of online stress treatment	The project aims to: 1) Compare the effect of the online program Stop for Stress with the existing face-to-face program MARS. 2) Identify markers for treatment outcomes across demographic, work, and health factors to guide individuals to the most suitable program.	In a randomized controlled design, the effect of online and face-to-face stress treatment is studied. The 220 participants, referred to occupational medicine clinics in Aarhus and Gødstrup, are randomly assigned to either Stop for Stress or MARS, with follow-ups at 3, 6, and 12 months. Effectiveness is measured through questionnaires, supplemented with register data on sick leave and healthcare services.	AUH (Lea Nørgaard Sørensen, Zara Ann Stokholm, Gitte Laue Petersen, Ane Marie Thulstrup)	AU: Dept. of Psychology and Behavioural Sci- ences; Universsity of New South Wales: Black Dog Institute	AMFF. Helsefonden. 2.526.339	2024-2027
	The overall purpose of this project is to reduce stress and mental health problems among adolescents and young adults. This is done by monitoring the development of stress, mental health problems and mental diseases in adolescence and young adulthood and to provide knowledge for preventive efforts targeting adolescents.	This project will be part of the ongoing VestLiv; a youth cohort with a unique possibility to study stress and mental health in adolescence and the transition into adult life due to the longitudinal design. Moreover, we will obtain register information on place of birth, socioeconomic status, education, work, and health from Statistics Denmark	RHG (Karin Bier- ing, Christine Leonhard Birk Sørensen, Pernille Bach Steen)	AU: Department of Psychology and Behavioural Sciences, AUH Psychosis Research Unit, AU Clinical Epidemiology	Sygeforsikringen "danmark", KV fonden. 5.584.640	2022-2025
Systematic evaluation of working conditions and organisation of individual work - a model to decrease sick leave during pregnancy	The project aims to start and evaluate an intervention focusing on work organisation for pregnant employees at AUH via tripartite dialogue, and thus possibly reduce the sickness absence.	The intervention is conducted in a cluster randomised design with the participation of departments at AUH. Half of the departments receive the intervention while the other half follows usual procedures. The primary effect of the intervention is measured by the number of days with sickness absence in the intervention and control groups.	AUH (Jane Bjerre- gaard Lauridsen, Rikke Damkjær Maimburg, Mette Lausten Hansen, Ane Marie Thul- strup) RHG (Dorte Raaby Andersen).	DEFACTUM. AUH: Dept.of Obstetrics and Gynaecology.	Sundhedsstyrel- sen, AMFF, RM Fol- kesundhed i Mid- ten, Jordemoder- foreningen 6.064.175	2019-2024

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
The chemical and biological work environment when recycling municipal waste: The RECYCLE-project	The study aims at documenting exposure levels and early health effects by recycling the municipal waste in Denmark. Furthermore, the study aims at identifying factors in production that can lead to increased exposure levels by recycling municipal waste.	The study is designed as a cross-sectional study among 150 selected workers from 30 small and large, private and municipal sorting- and recycling companies. Exposure levels are estimated from person worn measurements and blood samples, and early health effects by lung function test and questionnaire etc.	AUH (Karoline Kærgaard Hansen, Henrik Kolstad) AU (Vivi Schlüns- sen, Torben Sigs- gaard)	NFA. Karolinska Institutet. 3F. Dansk Industri. Dansk Kompetencecenter for Affald (DAKOFA).	AMFF 4.000.000	2020-2024
The role of psychosocial stressors and social inequality in adoladolescence and young adulthood and later risk of prediabetes or type 2 diabetes.		All sub-studies in this ph.dproject use data from the Vestliv cohort, including data from a new collection round in 2021. Register data will also be applied. Information of the participants' PD or T2D status is collected via blood tests, measuring the HbA1c level etc.	RHG (Vivi Just- Nørregaard, Trine Nøhr Winding, Jo- han Hviid Ander- sen)	AU: Department of Psychology and Behavioural Sciences. Steno Diabetes Center Aarhus.	Department of Clinical Medicine, AU 1.800.000	2020-2024
"Trods alt - på arbejdet med et smil". Workplace protection of employees against stress reactions and high emotional demands.	1. To identify workplace protective factors for reducing the relation between emotional demands and mental health problems. 2. To explore how workplaces with high emotional demands effectively at the individual, group, and workplace level prevent mental health problems 3. To develop and validate guidelines for prevention of mental health problems in occupations with high emotional demands.	Three rounds of questionnaires in professions with high work demands. Qualitative interviews at selected workplaces with successful preventive strategies.	RHG (Lars Peter Andersen, Dorte Raaby Andersen)	Odense University Hospital: Occupational and Environmental Medicine.	AMFF 2.132.000	2020-2024

Title	Aim	Materials and Methods	Internal partners	External collaboration partners	Funding	Time period
UVScan	To examine the relationship between occupational exposure to solar UV-radiation and risk of skin cancer among Danish workers.	Register-based follow-up study on the entire Danish working population from 1976-2015 (DOC*X cohort). Exploring do- sis-response relationsships. Us- ing the the Danish Cancer Reg- istry.	AUH (Ida Kristensen, Zara Ann Stokholm, Henrik Kolstad, Alexandra Christiansen, Inge Iversen) Aalborg UH (Else Toft Würtz)	AU: Department of Clinical Epidemiology	Kræftens Bekæm- pelse 120.000	2023-2024
Violence in psychiatric departments in the Region of Southern Denmark.	A study of short- and long- term stress and trauma reac- tions following severe violence and threat incidents in psychi- atric workplaces and protect- ing effect of social support at the workplace.	Weekly electronic surveys track psychiatric employees. Ques- tions expand if incidents or mental health symptoms are reported. Selected employees undergo interviews	RHG (Lars Peter Andersen, Karin Biering)	Odense University Hospital: Occupational and Environmental Medicine.	AMFF. Region Syd- danmark 3.564.363	2020-2024
Vocational schools as bridges	To expand a pilot-tested apprenticeship program, integrating a vocational school approach in manufacturing, agriculture, and construction, and assessing its impact on youth safety.	Questionnaire and interview.	RHG (Kent Niel- sen)	NFA, DPU	AMFF 3.548.690	2022-2027
Work-related Osteoar- thritis: Better under- standding, preven- tion, and prognosis	To reduce work-related osteo- arthritis and support patients' workforce participation by 1) Mapping osteoarthritis preva- lence and job-related strain in Denmark. 2) Identifying work- related risk factors and thresh- old exposure levels. 3) Exam- ining employment outcomes and risk factors for poor prog- nosis.	Registry data on the total working population and 900 technical measurements	AUH (Alexander Jahn, Annett Dal- bøge) RHG (Johan Hviid Andersen)	AUH (Section for Rheumatology). RHG (Orthopaedic Surgery). NFA. Université d'Angers, France, Washington University School of Medicine, USA.	AMFF. Gigtforeningen. 4.256.527	2024-2027

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