

HORIZON EUROPE 2023/2025 CALLS

CLUSTER 1 HEALTH



**NTNU HEALTH IN EUROPE: LIST OF CALLS WITH
THEIR RESPECTIVE INTERESTED NTNU RESEARCHERS**

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INTRODUCTION



Dear Reader,

Dear Reader,

Are you looking for the best researchers with whom to collaborate on Horizon Europe cluster 1 calls? Then please, read on.

At NTNU, the Norwegian University of Science and Technology, we have matched our researchers to the upcoming Horizon Europe 2023/2024 calls, based on both their expertise and the industry relations they can bring to the table.

As the largest university in Norway, we can be a powerful partner and collaborator. With more than 85 funded projects, of which 53 are already signed (accounting for more than € 32 million in funding) at the time of writing, we are setting even more ambitious targets for Horizon Europe 2023/2024 and going forward.

This document is one of six prospectuses that outline areas of expertise for - and of interest to - NTNU researchers, for each of the upcoming six clusters of Horizon Europe.

They are living documents. Even if you do not find an exact match, our research community would be thrilled to open a collaborative dialogue with you. Just ping a message to one of our institutional contact points, like NTNU's Brussels Office.

Together, we can create true "knowledge for a better world"

Tor Grande

Pro-rector of Research



KNOWLEDGE FOR A BETTER WORLD

Knowledge provides people with opportunities and influence, as well as a foundation for making wise choices. Knowledge inspires and challenges. It changes attitudes, mindsets, and how we perceive the world around us. Informed debate strengthens our democracy. NTNU's activities should benefit society as a whole and society can trust that our findings comply with best scientific practice.

Knowledge and technology development create opportunities for increasing sustainable value creation and finding answers to major challenges. Through the United Nations, the world has agreed on 17 Sustainable Development Goals. NTNU will contribute actively towards achieving the Sustainable Development Goals.

NTNU's strength is our competence in science and technology combined with academic breadth and interdisciplinarity.

ABOUT NTNU

Knowledge for a better world

NTNU is a university with an international focus, with headquarters in Trondheim and campuses in Ålesund and Gjøvik. NTNU has a main profile in science and technology, a variety of programmes of professional study, and great academic breadth, including medicine, architecture, and entrepreneurship.

KEY NUMBERS FOR 2022

NOK 10 billion
annual budget

44 170
students

7761
FTE

412
doctoral degrees

NTNU offers 398 programmes of study (2022), as well as continuing and further education. The university has the main responsibility for higher education in technology in Norway, and largest in engineering, teacher education and architecture. NTNU aims to be a national hub in programmes of professional study.

NTNU is the institution awarded the most funding from the Research Council in Norway, as well as being granted with 255 signed projects and a total funding of more than €141 million from Horizon 2020. Moreover, NTNU is a host or partner for 46 major research centers (SFF, SFI, and FME), and has internal initiatives to develop and recruit top researchers.

In Horizon Europe (HEU) - as of March 2023 - NTNU has 97 funded projects, of which 77 are already signed (accounting for more than €46 million in funding), positioning NTNU among the top HEU Norwegian actors, and among the top 10 actors within the European Higher Education Sector in HEU.

Beyond its science and technology profile, NTNU covers a broad range of social science and humanities (SSH) disciplines including sociology, political science, education, psychology, economics, history, cultural sciences and the arts. Researchers from SSH disciplines have successfully addressed societal issues and contributed to social innovation through involvement in more than 30 HEU projects so far, presenting NTNU as promising and strong partner in future European collaborations in all Global Challenge clusters under Horizon Europe.

From 2014-2023, NTNU has identified several strategic research areas and enabling technologies:

NTNU Energy



NTNU Health



NTNU Oceans



NTNU Sustainability



NTNU
BIOTECHNOLOGY



NTNU
DIGITAL



NTNU
NANO

NTNU BRUSSELS OFFICE



The NTNU Brussels Office represents NTNU in Brussels, provides strategic advice on European policies, promotes NTNU positions, manages or participates in strategic networks and initiatives in Brussels, and provides professional services to the NTNU community based on its Brussels presence.

The office represents both «the door to NTNU» for organizations that want to collaborate and create synergies with NTNU, and «the door to Europe» for colleague active in or willing to enter the European Arena.

NTNU opened the doors to its Brussels Office in 2015 and today the staff consists of four people, Director Massimo Busuoli, one senior adviser and two trainees.

The office activities and services include the following:

- Promotion and representation of NTNU in Brussels
- Positioning of NTNU in relevant Brussels-based initiatives and bodies
- Contribution to improve NTNU's EU project portfolio
- Provide internship opportunities for NTNU employees and students
- Provision of logistic support and services in Brussels



NTNU HEALTH

[NTNU Health](#) is one of the four strategic research areas of the [Norwegian University of Science and Technology \(NTNU\)](#). It aims to promote better health, quality of life and sustainable health services, and to create innovative solutions to complex health challenges.

NTNU Health is **an entry point for health research at NTNU** for a wide range of actors, including the industry, the public sector, decision-makers and authorities, as well as researchers. It supports **research, innovation and communication** with a broad spectrum of sectors and disciplines. NTNU Health facilitates contact with experts in health research.

NTNU Health supports **interdisciplinary collaborations and activities** relating to health. It **coordinates local initiatives and resources** to promote NTNU's international health research and innovation. NTNU Health also helps to provide **research-based advice** regarding health-related issues to decision-makers and others who impact on the development of society.

To find out more about NTNU Health, consult our [website](#).

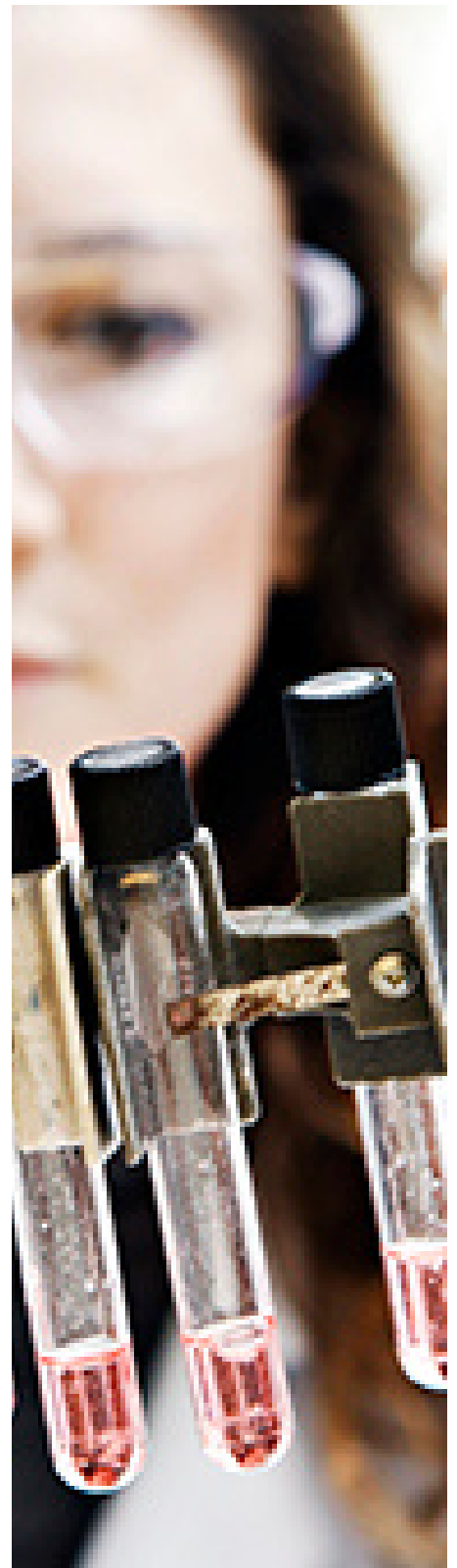
Faculty of Medicine and Health Sciences

Research at NTNU's [Faculty of Medicine and Health Sciences](#) consists of a wide range of research fields in medicine and health. This includes **basic research**, **translational research** at the intersection between basic and clinical research, as well as **applied research**.

The Faculty was established 47 years ago and is a centre for both outstanding research and education. It is home to Nobel Prize-winning scientists May-Britt and Edvard Moser who, along with John O'Keefe, were awarded the **Nobel Prize in Physiology or Medicine** in 2014 for the discovery of the brain's navigation system.

Additionally, the Faculty hosts several centers for outstanding research and research-driven innovation, including no less than:

- **Two Norwegian Centres of Excellence (SFF):**
 - The [Kavli Institute for Systems Neuroscience](#) (KISN)
 - The [Centre of Molecular Inflammation Research](#) (CEMIR)
- **Two K.G. Jebsen Centers for Medical Research:**
 - The [K.G. Jebsen Center for Genetic Epidemiology](#)
 - The [K. G. Jebsen Centre for Alzheimer's Disease](#)
- **A Centre for Research-based Innovation (SFI):**
 - The [Centre for Innovative Ultrasound Solutions for health care, maritime, and oil & gas](#) (CIUS)
- **A Centre for Clinical Treatment Research (FKB):**
 - [Norwegian Centre for Headache Research](#) (NorHEAD)



Faculty of Medicine and Health Sciences

NTNU's Faculty of Medicine and Health Sciences also manages [The Hunt Study](#) (Trøndelag Health Study), which is one of the largest health studies ever performed. HUNT is a unique database of questionnaire data, clinical measurements and samples collected since 1984. Approximately 300 national and international research projects are currently using the samples and data from HUNT.

Researchers at the Faculty are involved with **a wide range of EU-funded projects**. We have successfully coordinated and partnered on Pillar 1 Horizon 2020 projects, including ERC Grants, MSCA Individual Fellowships and Innovative Training Networks, as well as FET Open. We also have an established track record in Societal Challenges projects.

Researchers at the Faculty benefit from state-of-the art, high-quality research infrastructure comprising [15 specialist labs/core facilities](#) run by dedicated and highly trained staff.

NTNU has educational programs for all health professions with medicine and nursing being the largest. The Faculty of Medicine and Health Sciences and the medical campus is closely integrated with St Olavs University Hospital fostering a strong collaboration between the two entities and ensuring strong ties between basic and patient-oriented research.



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COLLABORATING WITH NTNU

As the largest Norwegian university with high multidisciplinary nature, NTNU offers a wide range of expertise and competences. Specific mapping of available researchers willing to collaborate on Horizon Europe have been performed for all clusters, producing documents similar to this brochure.

[Make sure you have the latest version available by downloading it from this website.](#)

Should you be interested to explore collaboration opportunities in areas not present in any of these brochures, you can get in touch with the institutional entry points of the university.

ENTRY POINTS

[NTNU Brussels Office](#)

Faculty EU advisors

- AD - Faculty of Architecture and Design
[Tone Woie Alstadheim](#) and [Srutarshi Pradhan](#)
- HF - Faculty of Humanities
[Chamila Thushari Attanapola](#)
- IE - Faculty of Information Technology and Electrical Engineering
[Nathalie Søyseth](#), [Filip Jessen](#)
- IV - Faculty of Engineering
[Ingunn Syrstad Bøgeberg](#) and [Miriam K. Khider](#)
- MH - Faculty of Medicine and Health Sciences
[Emma Louise Walton](#)
- NV - Faculty of Natural Sciences
[Thais Mothe-Diniz](#) and [Eugen Gravningen Sørmo](#)
- SU - Faculty of Social and Educational Sciences
[Bård Li](#) and [Jens Rohloff](#)
- ØK - Faculty of Economics and Management
[Thomas Aarnseth](#)
- VM - NTNU University Museum – [Astrid Johansen](#)
- NTNU in Gjøvik – [Anne Hilde Ruen Nymo](#)
- NTNU in Ålesund – [Kirsti Brekke](#)



ASSOCIATED PROFESSORS

Destination 1:

Staying healthy in a
rapidly changing society

Here you can find potential NTNU professors and employees that are interested in collaborations on destination 1.

The following pages are sorted into the calls for the destination presented cluster 1. To simplify your navigation among available expertises per topic, the list of topics have been made clickable.



ASSOCIATED PROFESSORS

Destination 2:

Living and working in a health-promoting environment

Here you can find potential NTNU professors and employees that are interested in collaborations on destination 2.

The following pages are sorted into the calls for the destination presented in cluster 1. To simplify your navigation among available expertises per topic, the list of topics have been made clickable.



ASSOCIATED PROFESSORS



Destination 3:

Tackling diseases and reducing disease burden

Here you can find potential NTNU professors and employees that are interested in collaborations on destination 3.

The following pages are sorted into the calls for the destination presented in cluster 1. To simplify your navigation among available expertises per topic, the list of topics have been made clickable.

DESTINATION 3 - CALLS

DISCLAIMER: Please notice that the Topics list is clickable to allow you to immediately reach the one for which you could be interested to open a collaboration dialogue with NTNU

Call - Partnerships in Health (2024)

[HORIZON-HLTH-2024-DISEASE-13-01: Implementation research for management of multiple long-term conditions in the context of non-communicable diseases \(Global Alliance for Chronic Diseases - GACD\)](#)



ASSOCIATED PROFESSORS

Destination 4:

Ensuring access to
innovative, sustainable
and high-quality health
care

Here you can find potential NTNU professors and employees that are interested in collaborations on destination 4.

The following pages are sorted into the calls for the destination presented in cluster 1. To simplify your navigation among available expertises per topic, the list of topics have been made clickable.

DESTINATION 4 - CALLS

DISCLAIMER: Please notice that the Topics list is clickable to allow you to immediately reach the one for which you could be interested to open a collaboration dialogue with NTNU

Call - Partnerships in Health (2024)

[HORIZON-HLTH-2024-DISEASE-13-01: Implementation research for management of multiple long-term conditions in the context of non-communicable diseases \(Global Alliance for Chronic Diseases - GACD\)](#)



Roger Andre Søråa

Department of Interdisciplinary Studies of Culture
Faculty of humanities and social sciences

Contact information

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+4748148781

Relevant links outside academia

Industry, public sector, NGOs

Expertise

His research focuses on automation, robotization, and the digitalization of society – how humans and technology relate to each other. Dr. Søråa is especially interested in the social domestication of technology.

- RRI, social readiness, SSH, Social robots
- Artificial Intelligence
- Digitalization of healthcare
- Automation of work
- Automation of practices
- Japan digitalization, Korea digitalization; Digitalization in Asia
- Human-technology interaction; Robotization; Digital society; Social domestication of technology; Hospital robots; Gerontechnology
- Technology and society
- Interdisciplinary studies
- Studies of Technology and Society (STS); Technological innovation; Cultural impact of technology

Relevant projects

Lead of EU RIA project, partner in several RIA, MSCA, CSA projects.



ASSOCIATED PROFESSORS

Destination 5:

Unlocking the full potential of new tools, technologies and digital solutions for a healthy society

Here you can find potential NTNU professors and employees that are interested in collaborations on destination 5.

The following pages are sorted into the calls for the destination presented in cluster 1. To simplify your navigation among available expertises per topic, the list of topics have been made clickable.



ASSOCIATED PROFESSORS

Destination 6:

Maintaining an innovative, sustainable and globally competitive health industry

Here you can find potential NTNU professors and employees that are interested in collaborations on destination 6.

The following pages are sorted into the calls for the destination presented in cluster 1. To simplify your navigation among available expertises per topic, the list of topics have been made clickable.



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TSO HEALTH

PHOTOS

PAGE 1 - **GEIR MOGEN/NTNU**

PAGE 4 - **THOR NIELSEN**

PAGE 5 - **MARIANA BRYK/NTNU**

PAGE 7 - **GEIR MOGEN/NTNU**

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