

Short summary of KRN Research strategy 2023-2025

Oslo University hospital/University of Oslo (OUS/UIO)

Administrative unit: Division of Radiology and Nuclear medicine (KRN)

Main aim 1: Strengthen clinical research in collaboration with industry and public partners

- I. Make a plan for how to improve the capacity for radiology and nuclear medicine involvement (both infrastructure and personnel) in clinical studies registered at Helsenorge.no
- II. Improve processes and knowledge for studies initiated by researchers
- III. Implement clinical studies as an integrated part of patient treatment/diagnostic imaging
- IV. Work towards solutions that increase the capacity for clinical studies by structured reporting and standardized imaging protocols
- V. Implement new models and artificial intelligence (AI)-based solutions for clinical studies to support personalized decision-making
- VI. Further develop radionuclide therapy and establish a center for such therapy at OUS

Main aim 2: Strengthen translational research as an important connection between basic research and clinical research

- I. Closer collaboration between KRN and the research environments of OUS-UiO
- II. Support OUS and KRN initiatives focusing on image registries/repositories
- III. Further develop CRAI, and support other leading/outstanding research environments
- IV. Continued focus and support of UIO core facilities in KRN
- V. Protect and improve research infrastructure to support imaging research in KRN

Main aim 3: Improve infrastructure to store, handle, analyze and share imaging data

- I. Improved access for AI and high performance computing in research
- II. Develop and improve system for transfer and storage of imaging data from clinical systems to research systems
- III: Provide imaging data to quality registries and research registries outside of KRN

Main aim 4: Systematic follow-up of career opportunities for researchers and improved recruitment of new candidates

- I. Support and encourage young researchers who wishes to follow career programmes at UIO or OUS, and to inform potential candidates about such programmes.
- II. Increase the number of researchers with a PhD to have a position divided between research and clinical tasks.
- III To encourage national and international short- or long-term mobility
- IV Increase recruitment of international researchers to KRN

Main aim 5: Secure future research activity in KRN.

- I. Work towards funding of PhD candidates so that they are eligible for the PhD programme at UIO or other universities. Required at least 50% funding for uptake at UIO PhD programme.
- II. Work towards funding of senior researchers from external funding entities
- III. Support participation in European research consortiums that foster new funding options.
- IV. Increase the number of PhD candidates registered in KRN at UIO
- V. Provide a group of experienced funding applicants who can help new applicants to succeed in attracting external research grants