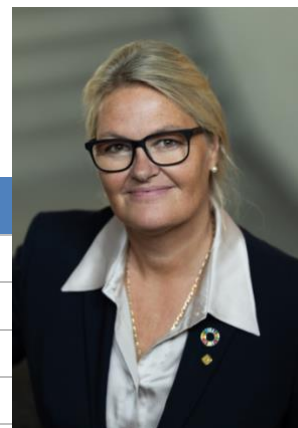


MINI CURRICULUM VITAE



PERSONAL INFORMATION

FIRST NAME, LAST NAME	Toril A. Nagelhus Hernes
DATE OF BIRTH	28.06.1967
NATIONALITY	Norwegian
EMAIL ADDRESS	toril.hernes@ntnu.no

EDUCATION DOMAIN

HIGHEST DEGREE AWARD DATE, NAME OF UNIVERSITY, COUNTRY	<p>Professor (2006), Medical Technology, Norwegian University of Science and Technology, NTNU, Norway.</p> <p>PhD (1997), Physics, Informatics and Mathematics, Medical Technology, Norwegian University of Science and Technology, NTNU, Norway.</p> <p>MSc (1992), Civil Engineer, Physics and Mathematics/ Electronics and Computer Science, Norwegian College of Technology, NTH, now Norwegian University of Science and Technology, NTNU, Norway.</p>
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CURRENT POSITION

CURRENT POSITION, NAME OF UNIVERSITY, COUNTRY	<p>Pro-Rector/Vice President of Research and Innovation, Norwegian University of Science and Technology, NTNU, Norway (period in office 2024 - 2029).</p> <p>Pro-Rector/Vice President of Innovation, Norwegian University of Science and Technology, NTNU, Norway (since 2017).</p> <p>Professor in Medical Technology, Norwegian University of Science and Technology, NTNU, Norway (since 2006).</p>
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RELEVANT EXPERTISE AND EXPERIENCE

- Academic management, leadership, international collaboration.
- EU policy development, strategy, funding mechanisms, university alliances, ERC, EIT, EIC, HE, DEP.
- Ecosystem for student entrepreneurship, commercialization and innovation, Intellectual property.
- Support mechanisms for research and innovation (service, societal, product, process innovation).
- The role of universities in the regional ecosystem for innovation. University – industry collaboration.
- Building support-ecosystems, TTO-functions, incubators, accelerators, start-ups, scale ups.

PREVIOUS MOST IMPORTANT POSITION(S)

POSITIONS HELD, NAME OF UNIVERSITY/ INSTITUTION, COUNTRY	<ul style="list-style-type: none"> - Pro-Rector/Vice President, Innovation and External Relations (2017-2023), Norwegian University of Science and Technology, NTNU, Norway. - Head of Department of Circulation and Medical Imaging (2013-2017), Norwegian University of Science and Technology, NTNU, Norway. - Research Director Medical Technology (1998 – 2013), SINTEF, Norway. - Professor, Medical Technology (since 2006), Norwegian University of Science and Technology NTNU, Norway - Scientific Coordinator (2013 – 2016), St Olavs University Hospital Norway
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SELECTED COMMISSIONS OF TRUST

MEMBERSHIP IN EXPERT GROUPS, SCIENTIFIC ADVISORY	<p><u>Internationally:</u></p> <ul style="list-style-type: none"> - Member of the CESAER Board of Directors, Conference of European Schools for Advanced Engineering Education and Research, 2022-present - Co-Chair of the CESAER Task Force Innovation, Conference of European Schools for Advanced Engineering Education and Research, 2020-present
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BOARDS, REVIEW BOARDS, REVIEW PANELS, EDITORIAL BOARD, ETC.	<ul style="list-style-type: none"> - European University Association, Expert group Innovation Ecosystems, 2019-2025, Chair since 2023 and then also member Research and Innovation Strategy Group - Steering Committee, University alliance ENHANCE, 10 tech universities in Europe University Alliance funded by EU ERASMUS+, 2022-2025 - Board of Nor-BioImaging, Norwegian node initiative ESFRI EuroBioImaging, 2013-2017 - Review committee of French Ministry call “Accelerating the development strategies for higher education and research institutions”, 2022: - Chair, Review for the Academy of Finland (www.aka.fi/en) call Special Funding for RDI Partnership Networks. 2020 - International evaluator board of the IMDI (Innovative Medical Device Initiative) i Nederland, http://www.imdi.nl/, PPP Private Public Partnership, 2016 - International Advisory board of the Northern Research Partnership in UK of Univ of Dundee, Univ of Aberdeen and the Robert Gordon Univ. 2013 - Steering committee: SMIT (Society for Medical Innovation and Technology), http://www.ismit.org/, Co-President conference in 2002 (Oslo) and 2010 (Trondheim) - Member of Editorial Board of European Medical Journal Innovation, 2017-2021: - Reviewer for various international scientific journals, awards, grants and positions. 1998 - Review for International Journal of Computer Assisted Radiology and Surgery, - European Technology Platform Nanomedicine, Co-Chair Group: Nano Diagnostics <p><u>Nationally:</u></p> <ul style="list-style-type: none"> - Advisory board HelseOmsorg21, appointed by Norwegian Ministry of Health and Care services, 2024–present. Chair of Innovation advisory group HelseOmsorg21, for Norwegian White paper Health industry (Helsenæring) 2017-2022 - Strategic Advisory board of The Life Science Cluster, Norway. 2024-present - Board of University Hospital North Norway (UNN), 2024-present - Board of St Olavs University Hospital, https://stolav.no/ (2016-2020) - Chair of Norwegian universities (UHR) Innovation expert group. 2021-present. - Member of National Reference group appointed by the Norwegian Ministry of education and research: <i>Strategy for increase engagement from industry in research to 2 % of BNP</i>. - Member of national Reference group of Municipalities research council, KSF. - Member of national Reference group Innovation Norway/Research Council of Norway: <i>Horizon Europe: EIC, Økosystemer for Innovasjon og EiT</i>. 2020. Re-elected in 2024 - Co-Chair of the Board of Trondheim Techport, https://www.trondheimtechport.no/, 2021 - Board Member – Innovation District, Trondheim Municipality/Region, 2018-2021 - Board Technoport, https://technoport.no/, 2017-2021 - Member of NTVA (The Norwegian Technology Science Academy), since 2013, Board and Chair program committee. 2020-2023. http://www.ntva.no/ - Board Invivosense ASA, 2008-2010 - Advisory board of Centre of research-based innovation: (SFI): Centre for Connected Care. - Chair of Board NTNU Technology Transfer Office AS, 2017-2019 - Board of Innovation division, The Research Council of Norway (Re-appointed for two periods: 2x4=8 years), Norway. http://www.forskningssradet.no/, 2007-2015 - Board of Trøndelagsstiftelsen (2023 – current) - Board of Polaris Media (2024- current)
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SELECTED POLEY ENGAGEMENTS

EXPERT VOICES, INVITED PANEL DISCUSSIONS AND POSITION	<ul style="list-style-type: none"> - <u>“New mandate, new agenda: will the EU live up to its promises on R&I?”</u>, Science Business 2025 - <u>“Europe need to train more tech innovators, experts urge”</u>: Science Business 2025 - <u>“Marie Skłodowska-Curie Actions (MSCA) contribution to bridging R&I and standardisation for EU competitiveness”</u>, Invited panel, European Commission, 2025 - <u>“Universities 4.0: New Powerhouses for regional innovation and global impact?”</u>, invited participation in roundtable discussions, 2024 - <u>“FAIR data accelerating innovation”</u>, CESAER, 2022 - <u>“Serving society in times of crisis by transforming knowledge into innovation”</u>, expert voice, European University Association, 2020.
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	<ul style="list-style-type: none"> - “Advancing gender equality through better research assessment How can CoARA help?” Video interview, European University Association, International woman day 2023. - “EUA innovation Agenda 2026”, European University Association, participating author. - “Universities as key drivers of sustainable innovation and ecosystems”, author contributor, 2022 - Engaged in a broad range of positioning paper from EUA and CESAER as well as from NTNU to the European commission on various topics
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AWARDS RELATED TO SPECIFIC ACADEMIC AREAS

FIELDS OF RESEARCH AND INNOVATION	Medical imaging, image guided therapy, navigation, data analysis, machine learning, AI in health care, operating room of the future, health care services. 14 PhD supervised.
AWARD(S), FELLOWSHIP(S), SCHOLARSHIP(S) RECEIVED	<p><u>Scientific research</u>: Selected projects sorted by funding source:</p> <p><u>Ministry of health and care services, Norway</u>:</p> <ul style="list-style-type: none"> • National Centre of Competence in ultrasound and image guided therapy (St Olavs Hospital, NTNU, SINTEF, 14,5 mill NOK annually). PI/Chair 1998-2016, 18 år. <p><u>Research Council of Norway</u>:</p> <ul style="list-style-type: none"> • FIFOS: PI: Operating room of the future, 10 Milll NOK • FRIMED/FRIPRO: PI: Enhanced minimal invasive image guided therapy (e-MIT) • National research infrastructure. 2014-2017: NorMIT, Norwegian Center of Minimally invasive image guided therapy and medical technologies, http://normit.no/ • Center for research based innovation/SFI: MILab (2007-2015). Medical imaging Laboratory and, CIUS (2016-2024). Center for innovative ultrasound solutions. <p><u>European funding programmes</u>:</p> <ul style="list-style-type: none"> • EU FP7: Marie Curie Training Site). PI: IIiOS (Integrated Interventional Imaging Operating System (IIiOS project) • EU FP6/FP7: Administrative responsible; selected projects: ICT: VECTOR/Virtual Physiological Human. AR: FUSIMO/ NMP. AR: 3MICRON • ERASMUS+: University Alliance: Steering committee: ENHANCE: of 10 tech univ • ESFRI EuroBioImaging 2013-2017: Board of Nor-BioImaging, Norwegian initiative.

	<ul style="list-style-type: none"> - <i>“Advancing gender equality through better research assessment How can CoARA help?”</i> Video interview, European University Association, International woman day 2023. - <i>“EUA innovation Agenda 2026”</i>, European University Association, participating author. - <i>“Universities as key drivers of sustainable innovation and ecosystems”</i>, author contributor, 2022 - Engaged in a broad range of positioning paper from EUA and CESAER as well as from NTNU to the European commission on various topics
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