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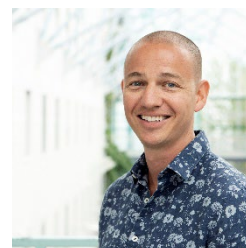
Associate professor (Principal investigator)

Tumor Biology Research Group

Department of Medical Biology

Faculty of Health Sciences

UiT The Arctic University of Norway



RESEARCH EXPERIENCE

08-2023 - Present	UiT The Arctic University of Norway	Associate professor (PI)	
08-2020 - 07-2023	UiT The Arctic University of Norway	Researcher (PI)	
04-2017 - 07-2020	UiT The Arctic University of Norway	Postdoctoral fellow	PI: Maria Perander
02-2018 - 02-2019	University of Texas MD Anderson Cancer Center	Postdoctoral fellow	PI: George A. Calin
01-2017 - 04-2017	UiT The Arctic University of Norway	Associate professor	
05-2016 - 12-2016	UiT The Arctic University of Norway	Head engineer	
06-2011 - 12-2011	UiT The Arctic University of Norway	Scientific assistant	
06-2010 - 08-2010	GenØk	Laboratory assistant	

EDUCATION

12-2011 - 04-2016	Ph.D. in Medical Biology, UiT The Arctic University of Norway. Title of thesis: <i>Comprehensive Analysis of Non-Coding Transcripts in Breast Cancer – A Next Generation Sequencing Approach</i> . ISBN 978-82-7589-501-9. PI: Maria Perander. Disputation date: 29th of April.
08-2007 - 06-2011	Master in Molecular Biotechnology. UiT The Arctic University of Norway. Title of thesis: <i>A Comparative Study of Micro RNA Expression Profiling Technologies</i> . PI: Steinar D. Johannsen
08-2002 - 07-2003	Kongsbakken Videregående Skole - General Studies, Advanced Course 2.
08-2001 - 07-2002	Independence High School, Cleveland, OH, USA - Senior year.
08-2000 - 07-2001	Kongsbakken Videregående Skole - General Studies, Foundation Course.

TEACHING EXPERIENCE

2024 - Present	Lecturer (MBI-3012, UiT), Master course, Advanced methods in experimental biomedicine.
2023 - Present	Study program leader. Bachelor in Biomedicine (UiT).
2022 - Present	Lecturer, censor (MBI-1000, UiT), Bachelor course, Biomedicine in the 21st century.
2020 - Present	Lecturer (MBI-2011, UiT), Bachelor course, Molecular cell biology.
2017 - Present	Lecturer, censor (BIO-8007/8008, UiT), Ph.D. course, Molecular and Clinical Aspects of Cancer - Block I/II.
2017 - Present	Course leader (2017), lecturer, censor (MBI-3004, UiT), Master course, The biology of cancer.
2016 - Present	Lecturer, (DR425F, Nord University) Ph.D. course, High throughput sequencing of non-model organisms.
2023	Internal censor (MBI-3911, UiT), Masters in Biomedicine. Title of thesis: <i>The immune phenotype of cancer associated fibroblast: effects of ionizing radiation and ATM inhibitor</i> .
2022	Internal censor (MBI-3911, UiT), Masters in Biomedicine. Title of thesis: <i>Non-Invasive Methods for Detection of Genetic Abnormalities in Human Embryos</i> .
2021	Censor exam (UiT), First year medical doctor.
2020	Internal censor (MBI-3911, UiT), Masters in Biomedicine. Title of thesis: <i>ATAD3 proteins in autophagy</i> .
2013 - 2019	Course leader (2019), lecturer, censor (MBI-3007, UiT), Master course, Eukaryotic Genes and Genomics.
2013 - 2017	Lecturer, censor (HEL-0700, UiT), Bachelor course, Scientific writing, ethics, and communication in health professions.
2012 - 2014	Laboratory assistant (MED-1501, UiT), First year medical doctor, Biomedical basal course.

MENTORING

2021 - Present	Main supervisor for Saikat Das Sajib (Ph.D. Student), Title of project: <i>Single cell protein and transcriptome sequencing as a novel diagnostic method for metastatic breast cancer</i> . Faculty of Health Science, UiT The Arctic University of Norway.
2024 - Present	Co-supervisor for Stephanie Rose Nielsen (Ph.D. Student). Title of project: <i>Functional roles of NEAT1 and paraspeckles in cellular stress responses and breast cancer</i> . Faculty of Health Science, UiT The Arctic University of Norway.
2025	Co-supervisor for Carolin Albers (Erasmus+ Traineeship, 4 months), Title of project: <i>The effects of Serglycin proteoglycan in monocytes and their interaction with breast cancer cell lines</i> . Faculty of Health Science, UiT The Arctic University of Norway.
2025	Co-supervisor for Idunn Straume. Title of thesis: <i>Investigating the effects of Serglycin proteoglycan in monocytes on interaction with breast cancer cell lines</i> . Faculty of Health Science, UiT The Arctic University of Norway.
2024	Co-supervisor for Silje Berg-Henry (Bachelor of Science). Title of thesis: <i>Exploring the expression of TRIM family proteins in a Pan-Cancer study</i> . Faculty of Health Science, UiT The Arctic University of Norway.
2023 - 2024	Co-supervisor for Tafteeq Nii Korquaye Quaye (Master of Science). Title of thesis: <i>Dissecting the Mechanism of Action of the Long Non-Coding RNA ENSG00000230615 in Epithelial - Mesenchymal Transition in Breast Cancer</i> . Faculty of Health Science, UiT The Arctic University of Norway.
2022 - 2025	Main supervisor for Anne McLaren Berge (Ph.D. Student). Title of project: <i>Pathological mechanisms of the ubiquitin E3 ligases TRIM27 and TRIM32 in cancer and genetic diseases</i> . Faculty of Health Science, UiT The Arctic University of Norway.

2022 - 2024	Co-supervisor for Anna Subbotina (Ph.D. Student). Title of project: <i>Renal Sympathetic Denervation. Quality of Life, Hypertensive Heart Disease and Biomarker Discovery</i> . Faculty of Health Science, UiT The Arctic University of Norway.
2022	Main supervisor for Zoi Karagiorgou (Erasmus+ Traineeship, 3 months), Title of project: <i>Serglycin as an inducer of epithelial mesenchymal transition</i> . Faculty of Health Science, UiT The Arctic University of Norway.
2022	Main supervisor for Melina Gautier (Erasmus+ Traineeship, 6 months), Title of project: <i>Epithelial mesenchymal associated genes in breast cancer</i> . Faculty of Health Science, UiT The Arctic University of Norway.
2020	Main supervisor for Ranja S. Stokke (Bachelor of Science), Title of thesis: <i>CRISPR/Cas9 knock-out of the long non-coding RNA RP5-1198O20.4 in breast cancer cell lines</i> . Faculty of Health Science, UiT The Arctic University of Norway.
2019	Main supervisor for Ingrid A. Rosenlund (Master of Science/Fifth year thesis Medicine). Title of thesis: <i>Experimental gene expression modulation - A practical and theoretical approach</i> . Faculty of Health Science, UiT The Arctic University of Norway.
2016	Main supervisor for Jahn Nitschke (Bachelor of Science). Title of thesis: <i>Selection of long non-coding RNAs in different breast cancer model systems — another partner in crime of cancer?</i> Faculty of Health Science, UiT The Arctic University of Norway.
2015 - 2016	Co-Supervisor for Michael F. Ampong (Master of Science). Title of thesis: <i>Functional analyses of the long non-coding RNA Neat1 in hypoxia and breast cancer</i> . Faculty of Health Science, UiT The Arctic University of Norway.
2014	Co-Supervisor for Marc C. Rigau (Bachelor of Science), Title of thesis: <i>Expression Analyses of Long Non-Coding RNA NEAT1 in Breast Cancer Biopsies</i> . Faculty of Health Science, UiT The Arctic University of Norway.
2012 - 2013	Co-Supervisor for Elsebeth S. Brun (Master of Science). Title of thesis: <i>Establishing a method for RNA immunoprecipitation to study interactions between long non-coding RNAs and proteins</i> . Faculty of Health Science, UiT The Arctic University of Norway.
2011 - 2012	Co-Supervisor for Cathrine. Sivertsen (Master of Science). Title of thesis: <i>En søken etter stabile sirkulerende biomarkører ved bruk av stor-skala miRNA profilering av humane brystkreftceller</i> . Faculty of Health Science, UiT The Arctic University of Norway.

INVITED TALKS

2025	TemaMamma (breast cancer treatment conference for clinicians), Tromsø, Norway. Title of talk: <i>The microenvironment of the lymph nodes can alter the gene expression of breast cancer cells - how does this affect the patient's prognosis?</i>
2025	Leadership course. Faculty of Health Science, UiT The Arctic University of Norway. Title of talk: <i>Expectations for research leaders in facilitating career development</i> .
2025	Centre for Cancer Sciences - The University of Nottingham, UK. Title of talk: <i>The Role of Core Protein Proteoglycans and Serglycin in EMT and Macrophage Function: Insights from Embryonic Development to Cancer Progression</i> .
2025	Breast cancer seminar. Faculty of Health Science, UiT The Arctic University of Norway. Title of talk: <i>Using single cell sequencing to study breast cancer metastasis</i> .
2024	Gordon Research Conference - Discovery and Translation in Proteoglycan Research. Andover, NH, United States. Title of talk: <i>Proteoglycans as important signaling molecules in the crosstalk between tumor infiltrating immune cells and cancer cells</i> .
2024	The Faculty of Health Science Research Seminar, Tromsø, Norway. Title of talk: <i>Using single cell sequencing to study breast cancer metastasis</i>
2024	The National Network for Breast Cancer Research annual meeting, Stavanger, Norway. Title of talk: <i>INTERACTION - Lymph node microenvironment as an inducer of cancer cells metastatic potential</i>
2024	The Norwegian Cancer Society – The Cancer Society Prize for Young Cancer Researchers 2023 (Kreftforeningen pris for yngre kreftforskere 2023). Title of talk: <i>The lymph nodes – how can they affect the spread of breast cancer? (Lymfeknutene – hvordan kan de påvirke spredningen av brystkreft?)</i> .
2023	Proteoglycans in cancer and embryonic development. International conference Uppsala University, Sweden. Title of talk: <i>Serglycin in EMT - Is Serglycin a key player in epithelial to mesenchymal transition (EMT) and breast cancer metastasis?</i>
2023	The National Network for Breast Cancer Research annual meeting, Trondheim, Norway. Title of talk: <i>Epithelial to mesenchymal transition in breast cancer</i> .
2022	IMB Day, 100+ attendees, UiT The Arctic University of Norway, Department of Medical Biology. Presentation of the Postdoctoral and young researcher organization (PYRO).
2022	Norwegian Breast Cancer Group Conference, 250+ attendees, Oslo, Norway. Title of talk: <i>Single cell sequencing of breast cancer cells present in the lymph nodes</i> .
2022	Department of Nutrition, University of Oslo, Norway. Title of talk: <i>Serglycin from infiltrating immune cells as an inducer of epithelial mesenchymal transition in breast cancer cells</i> .
2022	The National Network for Breast Cancer Research annual meeting, Tromsø, Norway. Title of talk: <i>Starting up a single cell sequencing project – lessons learnt</i> .
2022	TemaMamma (breast cancer treatment conference for clinicians), Tromsø, Norway. Title of talk: <i>Single cell sequencing of breast cancer cells present in the lymph nodes</i> .
2021	Section for clinical pathology, UNN, Norway. Title of talk: <i>Single cell sequencing of breast cancer cells present in the lymph nodes</i> .
2021	The National Network for Breast Cancer Research, Norway (online webinar). Title of talk: <i>Long non-coding RNAs as novel therapeutic targets in breast cancer</i> .
2019	IMB Day, UiT The Arctic University of Norway, Department of Medical Biology, PechaKucha Postdoctoral presentation.
2018	Experimental Therapeutics, University of Texas MD Anderson Cancer Center, Houston, USA. Title of talk: <i>Long Non-</i>

- Coding RNAs in Epithelial-Mesenchymal Transition.*
- 2016 Molecular Biology Unit, Nordland Hospital, Bodø, Norway. Title of talk: *Non-coding RNA –New diagnostic markers and targets for future cancer treatment.*
- 2015 Faculty of Medicine, University of Iceland. Title of talk: *Ribo-minus RNA-Sequencing of the cell line D492.*
- 2015 Breast Cancer Subtypes, Department of Laboratory Medicine, NTNU. Title of talk: *Nuclear Enriched Abundant Transcript 1 – HUNT.*
- 2014 NordForsk, Helsinki, Finland. Title of talk: *NEAT1 lncRNA is Upregulated during TGFβ-Stimulated Epithelial-Mesenchymal-Transition in Breast Epithelial Cells.*
- 2014 Department of Cancer Genetics, Oslo University Hospital. Title of talk: *NEAT1 lncRNA is Upregulated during TGFβ Stimulated Epithelial-Mesenchymal-Transition in Breast Epithelial Cells.*
- 2012 NordForsk, Trondheim, Norway. Title of talk: *Study of functional RNA using high-throughput profiling technologies in a human cell model system.*

POSTER PRESENTATIONS

- 2017 The 6th Norwegian Cancer symposium: Precision Medicine, Oslo, Norway - *Deep Sequencing of the Non-Coding Transcriptome in Epithelial-Mesenchymal Transition.*
- 2015 3rd CCBio symposium, Solstrand, Norway - *The Long Non-Coding RNA NEAT1 is Upregulated During Epithelial-Mesenchymal Transition and is Abnormally Expressed in Breast Cancer.*
- 2014 CSH-Asia Conference: RNA Biology, Suzhou, China - *NEAT1 lncRNA is Upregulated during TGFβ-Stimulated EMT in Breast Epithelial Cells.*
- 2014 EACR-23, Munich, Germany - *Expression analyses of long non-coding RNAs in breast cancer.*
- 2013 EMBO|EMBL: The Non-Coding Genome, Heidelberg, Germany - *RNA deep sequencing analyses of long non-coding RNAs in breast cancer.*
- 2012 Cell Symposia: Functional RNA's, Sitges, Spain - *Study of functional RNA using high-throughput profiling technologies in a human cell model system.*
- 2011 ncRNAs and Human Disease International symposium, BRIC, University of Copenhagen - *Performance comparison of digital microRNA profiling technologies applied on human breast cancer cell lines.*

PROFESSIONAL TRAINING/ COURSES

- 2025 Foundational course in university pedagogy (UNIPED-100). 200 hours. UiT The Arctic University of Norway.
- 2022 PhD supervision course (UNIPED-600). 100 hours. UiT The Arctic University of Norway.
- 2022 EMBO Course: Bioinformatics for principal investigators. 3 days. Cambridge, UK.
- 2020 EMBO Practical Course: Techniques for Mammary Gland Research. 6 days. Heidelberg, Germany.
- 2014 Foundation Course in Leadership, Norwegian Armed Forces.
- 2014 Introduction to Microarray and Next Generation Sequencing Analysis using the R statistical language Courses, UiT The Arctic University of Norway.
- 2013 Molecular and Clinical Aspects of Cancer - Block II (BIO-8303), UiT The Arctic University of Norway.
- 2012 Molecular and Clinical Aspects of Cancer - Block I (BIO-8302), UiT The Arctic University of Norway.
- 2012 RNA-seq Advanced NGS Course, NBIC BioWise, The Netherlands. 3 days.

ORGANIZATION OF SCIENTIFIC CONFERENCES

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|----------------|---|---|
| 2021 - Present | Leader (2023-2026), organizing committee, and session chair | Experimental Health Research Conference/The IMB Conference, UiT The Arctic University of Norway. 2 days conference, 100+ (2021 and 2022) 150+ (2023, 2024, and 2025) attendees. |
| 2022 - Present | Organizing committee and/or session chair | The National Network for Breast Cancer Research annual meeting. 2-3 days conference, 100+ attendees. |
| 2021 - 2023 | Organizing committee and session chair | PYRO events, including "Grant Application Day", "Research Platforms", "CV workshop", "NFR application course", "Non-academic career day". |
| 2021 | Organizing committee and session chair | Local Breast Cancer Network Meeting, UiT The Arctic University of Norway. 1 day conference, 50+ attendees. |
| 2016 - 2021 | Organizing committee | Seminar Day for the Department of Medical Biology, Faculty of Health Science, UiT The Arctic University of Norway. 1 day seminar, 100+ attendees. |

PROFESSIONAL SERVICE/ AFFILIATIONS

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|----------------|--|---|
| 2022 - Present | Representative for permanent employees | Faculty Board, Faculty of Health Science, UiT The Arctic University of Norway. |
| 2020 - Present | Member | Peer Reviewer Board, International Journal of Molecular Sciences |
| 2020 - Present | Member | Social Media Group, National Network for Breast Cancer Research, Norway |
| 2025 | Leader | Application Committee for position as Associate Professor in Biomedicine, UiT The Arctic University of Norway. |
| 2025 | Third opponent | Ph.D. dissertation, UiT The Arctic University of Norway. Title of thesis: <i>Dynamics of Infant Gut Resistome and Mobilome: Impact of Gestational Age, Antibiotics, Probiotics, and Other Early-Life Factors.</i> |
| 2025 | Second opponent | Ph.D. dissertation, Norwegian University of Science and Technology (NTNU), Trondheim. Title of thesis: <i>Characterizing myeloid cells in the Tumor environment - Implications for diagnostic and therapeutic approaches.</i> |
| 2025 | Leader | Application Committee for position as Associate Professor in Zoology, UiT The Arctic University Museum of Norway (UM). |
| 2023 - 2025 | Member | Working group for combining Bachelor in Biomedicine and Bachelor in Biomedical Laboratory Scientist |
| 2024 | Member | Appointments committee. Faculty of Health Science, UiT The Arctic University of Norway. |
| 2023 - 2024 | Co-Editor | Frontiers in Oncology Special issue: <i>Non-coding RNAs: Master Messengers in</i> |

2023	Member	<i>the Tumor Microenvironment and Beyond</i>
2023	Mentor	Application Committee for position as Ph.D. candidate in Medical Biology, Faculty of Health Science, UiT The Arctic University of Norway.
2023	Leader of PhD dissertation	Postdoctor and young researcher organization (PYRO), Faculty of Health Science, UiT The Arctic University of Norway.
2023	Member	Master in biomedicine - Trude Victoria Mørtberg. <i>Prevention of Fetal/Neonatal Alloimmune Thrombocytopenia (FNAIT) by prophylactic monoclonal antibodies. In vitro and preclinical evaluation of HPA-1a-specific antibodies.</i>
2023	Member	Midterm evaluation committee, Ph.D. student Vanessa Molin Paynter.
2023	Member	Application Committee for position as Ph.D. candidate in Medical Biology, Faculty of Health Science, UiT The Arctic University of Norway.
2023	Member	Midterm evaluation committee, Ph.D. student Stephanie R. Nilsen.
2023	Topic editor	Frontiers in Oncology, "Non-coding RNAs: Master Messengers in the Tumor Microenvironment and Beyond".
2023	Deputy member	Appointments committee. Faculty of Health Science, UiT The Arctic University of Norway.
2021 - 2023	Board leader	Postdoctor and young researcher organization (PYRO), Faculty of Health Science, UiT The Arctic University of Norway.
2021	Member	Midterm evaluation committee, Ph.D. student Mithlesh Kumar Ray.
2021	External reviewer	Grant Application, Breast Cancer Now, London, UK.
2021	External censor	Master of Science in Bioscience, Nord University. Title on thesis: <i>The common gull (Larus canus) mitochondrial transcriptome and mitogenomic features.</i>
2020 - 2021	Member	Ad Interim Board, Postdoctor and young researcher organization (PYRO), Faculty of Health Science, UiT The Arctic University of Norway.
2020	Second opponent	Ph.D. dissertation, University of Stavanger. Title of thesis: <i>Discovery and Validation of Biomarkers in Breast Cancer.</i>
2020	Deputy representative for temporary employees	Faculty Board, Faculty of Health Science, UiT The Arctic University of Norway.
2019	External censor	Master of Science in Molecular Biosciences, University of Oslo. Title on thesis: <i>A cross platform analysis of lncRNA expression associated with estrogen receptor status and methylation in breast cancer.</i>
2019	Representative for temporary employees	Faculty Board, Faculty of Health Science, UiT The Arctic University of Norway.
2019	Member	Program Board for Master Program in Medical Biology, Faculty of Health Science, UiT The Arctic University of Norway.
2019	Member	Application Committee for position as Ph.D. candidate in Molecular Pharmacology, Faculty of Health Science, UiT The Arctic University of Norway.
2013 - 2014	Student representative	Ph.D. School in Molecular and Clinical Cancer Research, Faculty of Health Science, UiT The Arctic University of Norway.

AWARDS

2025	University award: Innovative dissemination (given to the Tumor Biology Research group). 100.000 NOK. UiT The Arctic University of Norway.
2024	Best Coworker Award. Experimental Health Research Conference, UiT The Arctic University of Norway.
2022	University award: Young Researcher Award. 100.000 NOK. UiT The Arctic University of Norway.
2020	Faculty award: Young Researcher Award. 30.000 NOK. Faculty of Health Science, UiT The Arctic University of Norway.

PEER REVIEWER

2025	iScience (IF=4.6), Scientific Data (IF=6.9), Breast Cancer: Targets and Therapy (IF=3.4)
2024	Computers in Biology and Medicine (IF=6.7)
2023	Scientific reports (IF=4.4), Clinical and Translational Discovery (IF=4.5), Cancer Communications (IF=15.3), International Journal of Molecular Sciences (IF= 6.2)
2022	Communications Biology (IF=6.3), Cancer Communications (IF=10.4), Cancer Research (IF=12.7), Computational and Structural Biotechnology Journal (IF=7.3), Journal of Translational Medicine (IF=5.0), Scientific reports (IF=4.4), Breast Cancer: Targets and Therapy (IF=5.2), Frontiers in Genetics (IF= 4.3).
2021	Biomolecules, SAGE Open Medicine, Communications Biology, Molecular Oncology, Genomics, Scientific reports, International Journal of Molecular Sciences, Cancer Communications, Journal of Translational Medicine, Cancer Investigation, Science Progress, Symmetry, Cancer Research.
2020	Molecular Oncology, Molecules, Biomolecules.
2019	Medical Science Monitor, Cancer Investigation.
2018	Cancer Research, Molecular Aspects of Medicine, Cancer Investigation.

FUNDING SOURCES/ APPLICATIONS

01-2024 - 12-2027	Helse Nord (HNF1719-24). 6.0M NOK. Postdoctoral fellow and running costs. <i>Klinisk forskning på akutt intermitterende porfyri og bruk av karbohydratrik kost som behandling. Erik Knutsen</i> participant.
02-2024	The Norwegian Cancer Society (Dentist Olaf Aase and wife memorial lecture). Conference travel costs 43K NOK. Applicant Erik Knutsen . Invited speaker Dr. Alessio G. Naccarati and Dr. Barbara Pardini.
06-2024 - 05-2028	The Norwegian Cancer Society, 8.0M NOK, positions and running costs. <i>INTERACTION - Lymph node microenvironment as an inducer of cancer cells metastatic potential.</i> Applicant/PI Erik Knutsen .
01-2024 - 12-2027	The Norwegian Cancer Society, 8.0M NOK, positions and running costs. <i>Precision network medicine for treatment stratification of metastatic breast cancer.</i> Erik Knutsen participant.

06-2023	National Network for Breast Cancer, Running cost 100K NOK. <i>Epigenetic regulation of EMT in breast cancer</i> . Applicant/PI Erik Knutsen , Thomas Fleischer, and Erika Morera.
06-2022	National Network for Breast Cancer, Running cost 80K NOK. <i>Development of novel epithelial-mesenchymal transition breast cancer models</i> . Applicant/PI Erik Knutsen , Gunhild M Mælandsmo, and Kotryna Seip.
06-2022	National Network for Breast Cancer, Running cost 30K NOK. <i>Tracing breast cancer stem cells during treatment at the single cell level</i> . Applicant/PI Erik Knutsen and Xavier Tekpli.
01-2022 – 12-2022	Seed-funding from the NCMM-Helsefak Program. 300K NOK. Running costs. <i>Development of an epithelial-mesenchymal transition score for prognostic evaluation of breast cancer</i> . Applicant/PI Erik Knutsen and Marieke Kuijjer.
01-2022 – 12-2022	Helse Nord (HNF1646-22). 386K NOK. Mobility funds. Applicant/PI Erik Knutsen .
01-2022 – 12-2022	The Odd Berg Groups Medical Research Fund. 200K NOK. Running costs. <i>Interaction between cancer cells and the lymph nodes as a new target for prevention and diagnosis of breast cancer metastasis</i> . Applicant/PI Erik Knutsen .
01-2022 - 12-2025	UiT The Arctic University of Norway. 3.7M NOK. Ph.D. position and running costs. <i>Single cell protein and transcriptome sequencing as a novel diagnostic method for metastatic breast cancer</i> . Applicant/PI Erik Knutsen .
06-2021	UiT The Arctic University of Norway. 50K NOK. Seed funding. Running costs. PI Erik Knutsen .
03-2021 – 08-2023	Helse Nord (HNF1585-21). 3.9M NOK. Researcher position and running costs. <i>Single cell transcriptome analysis of breast cancer cells in the sentinel lymph node</i> . Applicant/PI Erik Knutsen .
02-2021	The Norwegian Cancer Society (Dentist Olaf Aase and wife memorial lecture). Conference travel costs 50K NOK. Applicant Erik Knutsen . Invited speaker Prof. George A. Calin.
01-2020 - 12-2025	Helse Nord (HNF1519-20). Researcher position. <i>Betydningen av komplementsystemet for bakterieindusert regulering av leukocyt- og blodplateRNA</i> . Applicant/PI Bård Ove Karlsen. Erik Knutsen participant.
01-2020 - 12-2022	Helse Nord (HNF1546-20). Postdoctoral fellow. <i>Long non-coding RNA NEAT1 in cellular stress response – relevant target for therapeutic intervention of breast cancer</i> . Applicant/PI Maria Perander. Erik Knutsen participant.
01-2020 - 12-2020	Helse Nord (HNF1522-20). 37K NOK Short term project. <i>NEAT1 and drug resistance in breast cancer – A novel target to sensitize breast cancer cells to chemotherapy</i> . Applicant/PI Erik Knutsen .
12-2019	National Network for Breast Cancer, Running cost 65K NOK. <i>Long non-coding RNAs as novel therapeutic targets in breast cancer</i> . Applicant/PI Erik Knutsen and Sunniva Bjørklund.
01-2018 - 12-2020	Helse Nord (HNF1418-18). Postdoctoral fellow. <i>Breast cancer associated long non-coding RNAs - relevant targets for therapeutic intervention</i> . Applicant/PI Maria Perander. Erik Knutsen participant.
04-2017 - 04-2020	Helse Nord (HNF1371-17). Postdoctoral fellow. <i>The impact of complex regulatory RNA in breast cancer: Relevance to diagnostic markers and therapeutic targets</i> . Applicant: Elin S Mortensen. Erik Knutsen named candidate.

MEMBERSHIPS OF SCIENTIFIC SOCIETIES/ ORGANIZATIONS

2020 - Present	Brystkreftforeningen (The Norwegian Breast Cancer Society)
2020 - Present	Forskerforbundet (Labor organization for Researchers)
2020 - Present	The European Association for Cancer Research
2019 - Present	The National Network for Breast Cancer Research, Norway
2018 - 2021	American Association for the Advancement of Science

SOCIAL MEDIA EVENTS

2023	News story (https://www.tv2.no/nyheter/innenriks/vil-forhindre-at-flere-ma-oppleve-det-samme-som-hege/16227491/)
2023	News story (https://www.onkologisktidsskrift.no/sabcs/588-ny-forskning-skall-videreutvikle-diagnostikken-for-brystkreftpasienter.html)
2022	Opinion, NRK Ytring (https://www.nrk.no/ytring/kreftene-som-forsviner-1.16133840)
2022	Commentary on news story (https://www.onkologisktidsskrift.no/sykdommer/13-brystkreft/316-dna-enderinger-etter-neoadjuvant-kjemo-knyttet-til-okt-brystkreftoverlevelse.html)
2020 - 2024	Pink Ribbon Run posted on social media platforms (Instagram and Facebook, account “Brystkreftforskning”)
2020	Popular science summary of article (https://brystkreftforskning.no/forhoyede-nivaer-av-neat1-er-assosiert-med-her2-positiv-brystkreft/)

OTHER EMPLOYMENTS

06-2013 - Present	Norwegian Home Guard, Norwegian Armed Forces	<i>Personnel Officer</i>
12-2007 - 12-2011	Norwegian Wine Monopoly – Langnes	<i>Salesperson</i>
08-2007 - 02-2008	Ark Tromsø AS	<i>Salesperson</i>
05-2006 - 08-2007	Steakers Tromsø AS	<i>Manager/ Restaurant manager</i>
07-2001 - 05-2006	Steakers Tromsø AS	<i>Headwaiter/Waiter/Cleaning</i>
08-2004 - 06-2005	H.M. The King's Guard, Norwegian Armed Forces	<i>Conscription – Castle guard/Escort soldier</i>

MAJOR COLLABORATORS

George A. Calin	Non-coding RNA, cancer. Department of Experimental Therapeutics, University of Texas MD Anderson Cancer Center, Houston, USA.
Bård Ove Karlsen	Non-coding RNA, bioinformatics. Molecular Biology Unit, Nordland Hospital, Bodø, Norway.
Vegard Heimly Brun	Breast cancer surgery and treatment. Section for breast- and endocrine surgery. University Hospital of Northern Norway, Tromsø.
Xavier Tekpli	Single cell sequencing, bioinformatics. Department of Medical Genetics, Oslo University Hospital, Norway.

Marieke Kuijjer	Bioinformatics. Centre for Molecular Medicine Norway, University of Oslo, Norway.
Gunhild Mælandsmo	Metastatic breast cancer. Department of Tumor Biology, Institute for Cancer Research, The Norwegian Radium Hospital, Oslo, Norway.
Maria Perander	Long non-coding RNA, NEAT1, breast cancer. Faculty of Health Science, UiT The Arctic University of Norway.
Elin S. Mortensen	Breast cancer pathology. Department of Clinical Pathology. University Hospital of Northern Norway, Tromsø.
Mihnea P. Dragomir	Non-coding RNA, Pathology. Institute of Pathology, Charité University Hospital, Berlin, Germany.
Svein O. Kolset	Extracellular matrix molecules. Department of Nutrition, University of Oslo, Oslo, Norway.
Achilleas D. Theocharis	Extracellular matrix molecules. Department of Chemistry, University of Patras, Patras, Greece.

TRACK RECORD

Total number of publications: **37** (Original research papers: 26; Reviews: 8; Book chapters: 2; Science policy articles: 1.

Publications without Ph.D. supervisor: 23.

First authorships: 6; Second authorships: 9; Second last authorships: 2; Last authorships: 2.

Corresponding author: 6.

HI: **21**; i10-index: 27; 1995 citations (2022: 331; 2023: 385; 2024: 349; 2025: 279) (Google scholar)

ORIGINAL RESEARCH PAPERS

26) Induction of Cell Death by Combined Treatment with Photosensitizer-Chitosan Nanoparticles and the Ferroptosis Inducer RSL3 in Breast Cancer Cell Lines

M Feith, SD Sajib, AG Myrann, A Hogset, P Garrido, A Martinez, **E Knutsen**, K Sandvig, T Skotland, GM Mælandsmo, TG Iversen
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