NORWEGIAN UNIVERSITY OF

SCIENCE AND TECHNOLOGY

Faculty of Medicine

Department of CLINICAL

AND

Molecular MediciNE

##

## Curriculum Vitae

## Prof. Oluf Dimitri Røe, MD&PhD

##

## Current affiliations

**1.Consultant Oncologist**

Department of Oncology

Levanger Hospital

Nord-Trøndelag Hospital Trust

Kirkegata 2, N-7600 Levanger

Norway

**Contact information**

**Telephone**

Private +47 73 90 06 50

Cellular +47 95 43 24 96

Levanger +47 74 09 80 00

NTNU +47 72 82 52 63

Fax +47 72 57 64 00

**Email**

olufdroe@yahoo.no

oluf.roe@ntnu.no

**Private address**

Fjøsmestervegen 8c

7046 Trondheim, Norway

**2.Professor**

Department of Clinical and Molecular Medicine

Faculty of Medicine and Health Sciences

Norwegian University of Science and Technology (NTNU)

Prinsesse Kristinsgt. 1, N-7491 Trondheim

Norway

**3.Associate Professor**

Clinical Cancer Research Center

Department of Clinical Medicine

Aalborg University Hospital

Hobrovej 18-22

DK-9100 Aalborg

Denmark

**Websites** <http://www.mensxmachina.org/cancer_biomarker_hunt/>

<http://www.ntnu.edu/employees/oluf.roe>

[http://vbn.aau.dk/en/persons/oluf-dimitri-roee(be09261d-e409-4420-9ba9-858000211604).html](http://vbn.aau.dk/en/persons/oluf-dimitri-roee%28be09261d-e409-4420-9ba9-858000211604%29.html)

## Personal

**Born:** Jan 13th 1962 in Namsos, Norway

**Citizenship:** Norwegian

**Civil status:** Married to Alexandra Angeletaki, cand mag. Archaeologist, two children born 1989 and 1993.

**Languages: Fluent;** English, Norwegian, Greek **Conversation;** Spanish, German

**Education**

1982 Basic Clinical and Theoretical Psychology, University of Trondheim, Norway

1983-89 Medical School Univ. of Bergen and University of Trondheim (currently named Faculty of Medicine, Norwegian University of Science and Technology (NTNU), Norway

1989 Cand. Med. MD

1991 Licenced MD

1994 Licenced MD in Greece

2001-07 Oncology specialization, Dept. of Oncology, St. Olavs University Hospital, Trondheim, Norway

2007 Board Certified Specialist in Medical and Radiation Oncology

2003-2008 PhD student in Clinical Medicine

2008 Dissertation at the Faculty of Medicine, NTNU

 Title of Thesis: ***Malignant mesothelioma: Virus, Biomarkers and Genes. A Translational Approach***

2010 Passed course in GCP

2013 Licenced Specialist in Oncology in Sweden, Denmark and Greece

2017 Course in University pedagogics for Professors, NTNU

2017 Course in supervision of medical students for Lecturers and Professors in Medicine

2019 Accepted title Professor at the NTNU

**Positions**

1990-91 Internship Gjøvik County Hospital, Gjøvik and Kautokeino Health Center, Kautokeino (Samiland), Norway

1992-94 General Practitioner in Kautokeino, Finnmark, Norway

1994-2001 General Practitioner in Mykonos, Greece (Norwegian/Greek MD licence)

2001-07 MD in specialization, Departments of Oncology/Haematology/Lung Diseases, St. Olavs University Hospital, Trondheim, Norway

2004-06 Assistant Consultant in Clinical Oncology, Department of Oncology, St. Olavs University Hospital, Trondheim, Norway

2006-10 Consultant Oncologist, Department of Oncology, St. Olavs University Hospital, Trondheim, Norway

Nov 2010- May 2011-Feb /Nov/Dec 2012 Research fellow translational research in mesothelioma and lung cancer,

Nanjing Medical University, Nanjing, China

May 2011- present Consultant Oncologist, Department of Oncology, Levanger Hospital, Levanger, Norway

2012- present Research Oncologist, Department of Clinical and Molecular Medicine,

Norwegian University of Science and Technology (NTNU) Trondheim, Norway

2012-2017 Post-doc, Department of Clinical and Molecular Medicine,

Norwegian University of Science and Technology (NTNU) Trondheim, Norway

July 2013- present Associate Professor and Consultant, Department of Oncology, Aalborg University Hospital,

January 2018- 2019 Associate Professor, Department of Clinical and Molecular Medicine, NTNU, Trondheim, Norway

November 2019 Professor, Department of Clinical and Molecular Medicine, NTNU, Trondheim, Norway

**Research interests**

My main research interests have been a combination of clinical and basic cancer research (translational), including biomarkers for early detection of cancer, predictive and prognostic biomarkers, genome-wide analysis, mechanisms of treatment resistance and risk prediction models for lung cancer.

The research has been focused on mesothelioma, an asbestos-related cancer, but recently also lung and gastric cancer. I have published papers on biomarkers in serum and tissue of mesothelioma and gastric cancer in international peer-reviewed journals as Journal of Thoracic Oncology, Lung Cancer, PlosOne, EBioMedicine, Clinical Cancer Research and Gut. Specifically in mesothelioma my research experience includes clinical research where I initiated and completed studies on early detection of mesothelioma in pre-clinical serum in collaboration with the Cancer Registry and the Janus Biobank, with a fruitful collaboration with prof. Jeanette Creaney at the National Centre for Asbestos Related Diseases, University of Western Australia, Perth, Australia. At our research department I conducted three gene expression studies at the FUGE (Functional Genomics) core facility with Affymetrix U133 Plus 2 and Illumina HumanHT-12 v3 Expression BeadChip on human mesothelioma and normal pleural samples.

The recent years a collaborative work on novel bioinformatics methods with bioinformaticians at the University of Crete in Greece has resulted in exciting results and new publications.

Since November 2010 a collaboration/visiting researcher/supervisor with Nanjing Medical University, China was initiated on mesothelioma, lung and gastric cancer.

As a collaborating/visiting researcher periodically at the Nanjing Medical University, I have co-authored 13 peer-reviewed papers, including in some high-impact journals as Cell Death and Disease, Gut, Clinical Cancer Research, Scientific Reports and Oncotarget (see full publication list).

There was a fruitful collaboration with the oncologists at the Nanjing Medical University Oncology Department with some publications (see publication list) and one independent collaboration with the Yuyao Peoples Hospital, Zheijiang Province, China and University of Tokyo, Japan as probably the first paper linking mesothelioma in women to occupational asbestos exposure in China **(Paper 35)**.

The prospective HUNT biobank in Levanger, Norway, is one of the largest biobanks in Scandinavia with serum and clinical data from approximately 120 000 subjects. Since May 2011 collaboration with the HUNT was initiated, aiming at tumour-specific microRNA discovery in pre-diagnostic serum. The Cancer-Biomarker-HUNT Project aims at discovery of biomarkers in serum for detection of lung cancer and mesothelioma in an early stage.

<http://www.mensxmachina.org/cancer_biomarker_hunt/>

Currently, we developed a novel validated clinical risk prediction model and online calculator for lung cancer, the HUNT Lung Cancer Model **(Paper 47)** which combined with GWAS and pre-diagnostic microRNA can refine the screening and diagnostic model. This project is designated EARLYSCREEN.

Since 2013- appointed as Clinical Associate Professor (20%) at the Aalborg University Hospital. Aalborg, the major and capital city in the Northern Jutland Region has hosted the only asbestos factory (Eternit) in Denmark and processed 80% of all asbestos imported to Denmark. The long term effects of the asbestos use is that the age-standardised incidence rate for men with mesothelioma in the Region of Northern Jutland in 2008-2009 is approximately 2-3-fold higher than in the other four Danish Regions, and we have newly discovered the environmental impact on the risk of mesothelioma in women **(Paper 49)** as well as showing for the first time germline cancer susceptibility genes in mesothelioma, in collaboration with University of Chicago **(Paper 50).** We recently identified and validated BAP1 loss as the first predictive biomarker for chemotherapy in mesothelioma **(Paper 70).** Currently I hold a position as Clinical Associate Professor at the Department of Oncology in Aalborg, and initiated a multidisciplinary group formed to do mesothelioma research.

Since 2018- I hold a 20% Professor position at the Department of Clinical and Molecular Research, NTNU, Trondheim, Norway.

**Funding**

**2012** Norwegian Research Council for collaborative project with China, 310 000 NoK

**2012** Liaison Committee between the Central Norway Regional Health Authority (RHA) and the NTNU, post-doc position 60% for 5 years

**2014** Liaison Committee between the Central Norway Regional Health Authority (RHA) and the NTNU, 5,7 mill. NoK for 4 years

**2015** Levanger Hospital, Nord-Trøndelag Hospital Trust, 300 000 Nok

**2016** BONNIE J. ADDARIO LUNG CANCER FOUNDATION AND INTERNATIONAL ASSOCIATION FOR THE STUDY OF LUNG CANCER (IASLC) JOINT AWARD 2016.

2,7 mill. NoK (300 000 USD) for two years, see

<https://www.iaslc.org/news/bonnie-j-addario-lung-cancer-foundation-and-international-association-study-lung-cancer>

**2017** PhD position for Olav Toai Duc Nguyen, 6 years 50% position 2018-2024 “EARLYSCREEN; validating a novel clinical and molecular early diagnostic lung cancer screening model in HUNT and CONOR”.

**2018** Liaison Committee between the Central Norway Regional Health Authority (RHA) and the NTNU, 2.9 mill. NoK for 3 years.

**Mobility**

**2017** Starting a research collaboration with NCI, Bethesda, Washington and AAU

**2017** Starting a research collaboration with University of Chicago and AAU

**2010-12** Research fellow (part time), Nanjing Medical University, Nanjing, China

**1994-2001** General Practitioner in Mykonos, Greece (Norwegian/Greek MD licence)

**1992-94** General Practitioner in Kautokeino, Finnmark, Norway

**Institutional responsibilities**

**2016-2018** Member of the National Specialist Group for assessment of new Lung Cancer drugs in Denmark, Medicinrådet.

**2015-2018** Leader of the Educational Board, Department of Oncology, Levanger Hospital, Norway.

**2008-10** Responsible for Thoracic and CNS cancer in Mid-Norway, St. Olavs Hospital, Trondheim, Norway

**2006-07** Responsible for Outpatient Palliative Patients, Department of Palliative Medicine, St. Olavs Hospital, Trondheim, Norway

**Comissions of trust / Chairman/ Reviewer**

**2018** Organizer/chairman of the **2nd International NTNU Symposium on Current and Future Clinical Biomarkers of Cancer: *From diagnosis to immunotherapy – why is precision medicine so difficult?***Trondheim, Norway

https://cancerbiomarkerstrondheim.com/

**2016** Organizer/chairman of the **1st International NTNU Symposium on Current and Future Clinical Biomarkers of Cancer: *Innovation and Implementation***, Trondheim, Norway, 100 attendees and invited speakers from 12 countries and 4 continents

<https://biomarkerstrondheim.wordpress.com/>

The excerpts of this symposium are published in the Journal of Translational Medicine, 2016.

**2005-18** Second leader of the Board of the Norwegian Oncological Society

**2008** Organizing Committee of the International Mesothelioma Interest Group, Amsterdam, Netherland

**2008-present** Chair at several international round tables on mesothelioma

**Reviewer for Journals**: “Plos One”, “Lung Cancer”, “Oncotarget”, “BMC Cancer”, “BMJ Open”, “DNA Repair”, “Current Cancer Therapy Reviews”, “Current Medicinal Chemistry”, “Differentiation”, “Journal of Experimental and Clinical Cancer Research”, “British Journal of Pharmacology”, “Oncology Reports”, “Journal of Thoracic Oncology” and “EBiomedicine”.

**Review Board:** Expert Reviewer HORIZON 2020, Expert Reviewer National Cancer Institute, USA, British Lung Foundation, Commission for Cancer Research Zurich, Fondation Contre le Cancer, Belgium, Austrian Science Fund (FWF).

**Memberships of scientific societies**

1991- Member of the Norwegian Medical Association

1994-2001 Member of the Greek Association of General Practitioners

2001- Member of the Norwegian Oncological Society

2003- Member of the International Mesothelioma Interest Group

2016- Member of the ASCO

2016- Member of the International Association for the Study of Lung Cancer (IASLC)

**Awards**

**2014 BI Cancer Research Award**

**For best Norwegian poster on lung cancer (Norwegian Lung Cancer Group);**

R Mjelle, T Andreassen, V Lagani, K Kerkentzes, I Tsamardinos, TF Bathen, E Larsson, **OD Røe**, “Hunting” for lung-cancer / mesothelioma early diagnostic biomarkers: results of a pilot analysis from the Cancer-Biomarker-HUNT study.

IMIG 2014, Cape Town

**2016** BONNIE J. ADDARIO LUNG CANCER FOUNDATION AND INTERNATIONAL ASSOCIATION FOR THE STUDY OF LUNG CANCER (IASLC) JOINT AWARD 2016.

2,7 mill. NoK (300 000 USD) for two years, see

<https://www.iaslc.org/news/bonnie-j-addario-lung-cancer-foundation-and-international-association-study-lung-cancer>

**2018** iMig 2018 Best Poster Award at the 14th International Conference of the International Mesothelioma Interest Group (iMig 2018), Ottawa, Canada

**Asbestos use and pleural mesothelioma in Norway and Denmark:**

**Similar populations, different stories**

**Oluf Dimitri Røe,** Øyvind Omland Vasiliki Panou, Axel Wannag

**Collaborations**

**TIDL Early detection of lung cancer – PI Ass. Prof Haseem Ashraf, co-PI Oluf D. Røe**

**Cancer-Biomarkers in HUNT- and EARLYSCREEN projects- PI Oluf D. Røe**

National partners: Prof. Tone Frost-Bathen, Prof. Pål Sætrom, post-doc Robin Mjelle.

Prof Kristian Hveem and Prof Arnulf Langhammer, HUNT Research Center

Anna Nordborg, PhD, Dept. of Mass Spectrometry (MS), SINTEF Research Center, Trondheim

Prof. Ioannis Tsamardinos, University of Crete, Greece

Prof. Erik Larsson, Uppsala University, Sweden (deceased)

Prof. Åslaug Helland, The Norwegian Radiumhospital, Oslo, Norway

**Lung cancer-mesothelioma-gastric cancer in China and Japan- various collaborations**

Prof. Jianwei Zhou, Nanjing Medical University & Prof. Yijiang Chen, Thoracic Surgery Department, 1st Affiliated University Hospital, Nanjing, China

Dr. Gao Zhibin, MD PhD, Department of Pathology, Yuyao People’s Hospital, Yuyao, Ningbo, China

Prof. Kenzo Hiroshima, Department of Pathology, Tokyo Women’s Medical University Yachiyo Medical Center, Yachiyo, Japan

Kenji Morinaga, MD PhD, Department of Asbestos-related Health Damage Relief, Environmental Restoration and Conservation Agency of Japan, Saiwai-Ku, Kawasaki-Shi, Kanagawa, Japan

**Meso-HUNT Aalborg- PI Oluf D. Røe**

PhD Student Vasiliki Panou, MD, Prof. Mogens Vyberg, Prof. Øyvind Omland, Prof. Ursula Falkmer, Prof. Martin Bøgsted, Aalborg University Hospital, Aalborg, Denmark,

Prof. Hedy Kindler, Medical Director, Gastrointestinal Oncology

Director, Mesothelioma Program, University of Chicago, Chicago, USA

Prof. Jenette Creaney, UWA, Perth, Australia

Prof. Anna Nowak, UWA, Perth, Australia

**Predictive markers in lung cancer Aalborg- PI Oluf D. Røe**

PhD Student Weronika Szejniuk, Prof. Ursula Falkmer, Prof. Martin Bøgsted, Aalborg University Hospital, Aalborg, Denmark

Ana Robles, PhD and Curtis Harris, MD, National Cancer Institute, Bethesda, Washington DC, USA

**Mesothelioma translational project (previous)- PI Oluf D. Røe**

Senior Researcher Kristina Kjærheim, Norwegian Cancer Registry, Oslo

Prof. Bruce Robinson, Prof. Jeanette Creaney, National Center for Asbestos Related Diseases (NCARD), University of Western Australia, Perth, Australia

Paolo Boffetta, IARC, Lyon, France /Mount Sinai, NY, USA

Prof. Michael Pawlita, Research Program Infection and Cancer, German Cancer Research Center (DKFZ), Heidelberg, Germany

Ass Prof Katalin Dobra, Department of Pathology, Karolinska, Stockholm, Sweden

Yrr Mørch PhD, Group of Polymer Particles and Surface Chemistry Nanolab, SINTEF Research Center, Trondheim

**Teaching**

2009-present Lectures at annual and biannual Nordic and Greek thoracic oncology meetings

2010-present Teaching medical students and censor for master students, medical students and elected board member for one PhD student at the IKM, NTNU, Trondheim, Norway

2010- Teaching as part of visiting researcher at the Nanjing Medical University (NMU), Nanjing, China

2013- Teaching PhD students continuously and at annual PhD courses at the Department of Oncology, Aalborg University Hospital, Aalborg, Denmark

2013-2018 Leader and organizer of the curriculum and teaching of the doctors specializing in oncology at the Levanger Hospital, Levanger, Norway

2014 Contribution of one paper to the PhD thesis of Adam Szulkin , Dissertation at the Karolinska Institute, Title: CHARACTERIZATION OF MALIGNANT PLEURAL MESOTHELIOMA: POSSIBILITIES FOR AN INDIVIDUALIZED THERAPEUTIC ARSENAL

2018 Contribution of one paper to the PhD thesis of Laurids Ø. Poulsen, Title: Diagnostic, Predictive and Therapeutic Aspects on Adenocarcinoma of the Rectum

**Supervision**

**PhD theses** (2010- present)

2010-2014 Two PhD students finalized their PhD in Nanjing, China 2014

At the group of Prof. Jianwei Zhou, I was a co-mentoring two PhD students, Drs. Yensu Chen and Wenxia Xu

**The title of their PhD was:**

**1. Yensu Chen:** “The mechanism of JWA inhibiting tumor angiogenesis in gastric cancer.”

**2. Wenxia Xu:** “The molecular mechanisms of resistance and reversal of resistance to cisplatin in human gastric cancer cells.”

***See attached attestation from Prof. Jianwei Zhou.***

**Main supervisor three PhD-students**

**1.** Vasiliki Panou, MD, PhD, Department of Pulmonary Medicine, Aalborg University Hospital***Title:Prognostic and predictive biomarkers for Malignant Pleural Mesothelioma, MESO-HUNT-AALBORG***

Succesful dissertation June 2019.

**Paper 1.The established and future biomarkers of malignant pleural mesothelioma**

**V Panou**, M Vyberg, U M Weinreich, C Meristoudis, U Falkmer, **O D Røe**

*Cancer Treatment Reviews, May 2015, doi*[*http://dx.doi.org/10.1016/j.ctrv.2015.05.001*](http://dx.doi.org/10.1016/j.ctrv.2015.05.001)

**Paper 2.** [**Frequency of Germline Mutations in Cancer Susceptibility Genes in Malignant Mesothelioma.**](https://www.ncbi.nlm.nih.gov/pubmed/30113886)

**Panou V**, Gadiraju M, Wolin A, Weipert CM, Skarda E, Husain AN, Patel JD, Rose B, Zhang SR, Weatherly M, Nelakuditi V, Knight Johnson A, Helgeson M, Fischer D, Desai A, Sulai N, Ritterhouse L, **Røe OD**, Turaga KK, Huo D, Segal J, Kadri S, Li Z, Kindler HL, Churpek JE.

J Clin Oncol. 2018 Aug 16:JCO2018785204. doi: 10.1200/JCO.2018.78.5204.

**[Paper 3.](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)** [**[Panou V](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Panou%20V%5BAuthor%5D&cauthor=true&cauthor_uid=30025147)[1](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)[,](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)[[Vyberg M](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)](https://www.ncbi.nlm.nih.gov/pubmed/?term=Vyberg%20M%5BAuthor%5D&cauthor=true&cauthor_uid=30025147)[,](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)[[Meristoudis C](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)](https://www.ncbi.nlm.nih.gov/pubmed/?term=Meristoudis%20C%5BAuthor%5D&cauthor=true&cauthor_uid=30025147)[,](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)[[Hansen J](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)](https://www.ncbi.nlm.nih.gov/pubmed/?term=Hansen%20J%5BAuthor%5D&cauthor=true&cauthor_uid=30025147)[,](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)[[Bøgsted M](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)](https://www.ncbi.nlm.nih.gov/pubmed/?term=B%C3%B8gsted%20M%5BAuthor%5D&cauthor=true&cauthor_uid=30025147)[,](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)[[Omland Ø](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)](https://www.ncbi.nlm.nih.gov/pubmed/?term=Omland%20%C3%98%5BAuthor%5D&cauthor=true&cauthor_uid=30025147)[,](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)[[Weinreich UM](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)](https://www.ncbi.nlm.nih.gov/pubmed/?term=Weinreich%20UM%5BAuthor%5D&cauthor=true&cauthor_uid=30025147)[,](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)[**[Røe OD](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)**](https://www.ncbi.nlm.nih.gov/pubmed/?term=R%C3%B8e%20OD%5BAuthor%5D&cauthor=true&cauthor_uid=30025147)**[.](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)**

[Non-occupational exposure to asbestos is the main cause of malignant mesothelioma in women in North Jutland, Denmark.](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.)

 [Scand J Work Environ Health.](https://www.ncbi.nlm.nih.gov/pubmed/30025147%22%20%5Co%20%22Scandinavian%20journal%20of%20work%2C%20environment%20%26%20health.) 2018 Jul 19. pii: 3756. doi: 10.5271/sjweh.3756.

Eight abstracts published (see below).

**2.** Weronika Szejniuk, MD, PhD, Department of Oncology, Aalborg University Hospital

***Title: Non-coding RNAs as predictive biomarkers for adjuvant chemotherapy in non-small cell lung carcinoma. Discovery and Validation Study****.*Department of Oncology, Aalborg University Hospital,

Dissertation June 2021.

**Paper 1.** **Szejniuk WM**, Robles AI, McCulloch T, Falkmer UGI, **Røe OD**.

[Epigenetic predictive biomarkers for response or outcome to platinum-based chemotherapy in non-small cell lung cancer, current state-of-art.](https://www.ncbi.nlm.nih.gov/pubmed/30190521)

Pharmacogenomics J. 2018 Sep 7. doi: 10.1038/s41397-018-0029-1. Review.

**Paper 2.** Szejniuk WM, Nielsen MS, Brønnum D, Takács-Szabó Z, Weinreich UM, Pilegaard Thomsen L, Bøgsted M, Jensen I, McCulloch T, Falkmer UG, Carl J, **Røe OD**

Fractional exhaled nitric oxide as a potential biomarker for radiation pneumonitis in patients with non-small cell lung cancer: a pilot study.
Clinical and Translational Radiation Oncology 2019 <https://doi.org/10.1016/j.ctro.2019.09.004>

**Paper 3.** WM Szejniuk, M Cekala, M Bøgsted, C Meristoudis, T McCulloch, UG Falkmer, **OD Røe**

Adjuvant platinum-based chemotherapy in non-small cell lung cancer: The role of relative dose-intensity and treatment delay

[Cancer Treatment and Research Communications](https://www.sciencedirect.com/science/journal/24682942) [Volume 27](https://www.sciencedirect.com/science/journal/24682942/27/supp/C), 2021, 100318

<https://www.sciencedirect.com/science/article/pii/S2468294221000174>

**3.** Olav Toai Duc Nguyen, MD, Levanger Hospital and Department of Clinical and Molecular Medicine, NTNU, Norway. **Title: EARLYSCREEN: Validating a novel clinical and molecular early diagnostic screening model in HUNT and CONOR.**

**Paper 1.** Untargeted Metabolomics Discovers Biomarkers in Serum Months to Years Before Lung Cancer and Mesothelioma (in progress)

**Paper 2.** Untargeted Proteomics Discovers Biomarkers in Serum Months to Years Before Lung Cancer and Mesothelioma (in progress)

Expected completed 2020.

**Co-supervisor one PhD-student**

**1.** Karen Sofie Bunemann Dalsgaard, MD, (completed) Title: ***Environmental asbestos exposure in four primary schools in Aalborg, Denmark and cancer in adulthood.*** Department of Occupational Medicine, Aalborg University Hospital

Accepted: **Environmental asbestos exposure in childhood and the risk of mesothelioma later in life. A long-term follow-up register based cohort study.** Sofie Bünemann Dalsgaard, Else Toft Würtz, Johnni Hansen Oluf Dimitri Røe, Øyvind Omland

Successful dissertation May 2019

All protocols have been developed in collaboration with the PhD candidates.

We have regular 2-day PhD-courses at Klitgaarden, Skagen, Denmark where I co-organize, teach and supervise as part of a team.

**Supervision of Post-doc** (2015-2018)

Supervision of post-doc Robin Mjelle at the NTNU in our Cancer-Biomarkers in HUNT project.

**Medical student theses** (2014- present)

2 finalised:

**1.** Candidate: Stud med Ida Nielsen (passed examination the 20th of January 2016). Initiated/supervised one medical student thesis at the Aalborg University Hospital ***Treatment and survival of patients with malignant pleura mesothelioma in North Jutland in the period 2002-2013, a retrospective analysis* (also published abstract at ASCO 2016)**

**2.** Candidate Stud med Marius Hvidsten (passed examination August 2018), NTNU: Medical student thesis at the NTNU entitled: ***Asbestos and mesothelioma: Studies of the scientific literature in USSR and Russia compared to the World literature.***

**Invited speaker**

* Pathology Spring Meeting 2008, Uppsala, Sweden **Genprofilering av mesotheliom och normal pleura; överuttryck av vissa gener kan förklara strålnings och cytostatikaresistens.**
* Hellenic Oncological Society 2009, Heraklion, University of Crete, Greece **Malignant mesothelioma, chemo-and radio- resistance related to gene expression**
* MOLMED 2010, Shangai, China **Mesothelioma and treatment resistance: What can we learn from gene expression?**
* Nanjing Medical University, 15. Nov. 2010, Nanjing, China **Mesothelioma- a forgotten epidemic**
* Nanjing Medical University, Dec. 2012, Nanjing, China **MicroRNA in Cancer**
* CancerScience/Biomarker meeting, Nov. 2013, San Francisco, USA **Biomarker HUNT in asbestos related diseases**
* 2rd “Symposium on Thoracic and Upper Aerodigestive Malignancies” , 2013, Athens, Greece **Mesothelioma, pathophysiology and epidemiology**
* Springmeeting Lungcancer 15th May 2014, Oslo, Norway **Mesothelioma- New research of a forgotten epidemic**
* “MicroRNAs/Noncoding RNAs Europe 2014, November 3 - 4, 2014 University of Cambridge, Cambridge, United Kingdom **MicroRNAs in serum for early diagnosis of cancer. Where are we?**
* 3rd “Symposium on Thoracic and Upper AerodigestiveMalignancies” February 5-7, 2015 Athens, Greece **Biomarkers for early diagnosis of lung cancer and mesothelioma**

* 2nd NordiQC Conference on Applied Immunohistochemistry, June 9th - 12th 2015 Aalborg, Denmark **Malignant mesothelioma – epidemiology and molecular biology**
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**Abstracts**

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*Olav Toai Duc Nguyen1,2, Yannis Fotopoulos3, Therese Haugdahl Nøst4*, *Maria Markaki5,Vincenzo Lagani3,6,7, Ioannis Tsamardinos3,6, Oluf Dimitri Røe1,2*

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Katarina Puco1, Johan Bjerner2, Stig Müller3, Gunder Magne Lilleaasen3, Haldor Husby4, Mattias Røed-Undlien1, Daniel Heinrich5, Fredrik A. Dahl6, Oluf Dimitri Røe7, Jan Oldenburg1
*1. Department of Oncology, Akershus University Hospital, Lørenskog, Norway, 2. Fürst Medical Laboratories, Oslo, Norway, 3. Department of Urology, Akershus University Hospital, Lørenskog, Norway, 4. Data Capture, Akershus University Hospital, Lørenskog, Norway, 5. Department of Oncology, Innlandet Hospital Trust, 6. Health Services Research Unit, Akershus University Hospital, Lørenskog, Norway, 7. Cancer Clinic, Levanger Hospital, Levanger, Norway*

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19. **Genetic Variants of HUNT Lung Cancer Model Improve Lung Cancer Risk Assessment over clinical models**

*Olav Toai Duc Nguyen1,2, Yannis Fotopoulos3, Therese Haugdahl Nøst4*, *Maria Markaki5,Vincenzo Lagani3,6,7, Ioannis Tsamardinos3,6, Oluf Dimitri Røe1,2*  WCLC 2022

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