

ANDERS NYGAARD

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WORK EXPERIENCE

- 2021 - Current **Researcher / Postdoc** | Oslo University Hospital (OUS), Oslo, Norway
- Responsible for data management, data coordination and data analysis for Risk Factors for Community- and Workplace Transmission of COVID-19 Study (The Norwegian Covid-19 Cohort Study), and Cod Liver Oil for Covid-19 Prevention Study (CLOC-study).
 - o The Norwegian Covid Cohort Study is an epidemiological observational study based on an electronic questionnaire on risk factors for COVID-19 in the community and healthcare setting. The study has approx. 200 000 participants.
- 2022 - Current **Consultant and founder** | ANYthings DATA, Oslo, Norway
- Providing mentorship services related to data management, data analysis, and data handling with focus on health-, biological-, and big-data.
- 2017 - Current **Guest lecturer** | Oslo Metropolitan University (OsloMet), Oslo, Norway
- Guest lecturer at the Faculty of Technology, Art and Design and the Faculty of Health Sciences (see Teaching and Mentoring below).
- 2018 - 2021 **Consultant** | Mycoteam AS, Oslo, Norway
- Consultant on topics related to indoor climate (microbiology, particles, asbestos, noise), construction (moisture damage, rot damages, rehabilitation), and data analysis.
 - Advising corporate and private clients.
- 2018 - 2018 **Carpenter** | Bygg 1 Oslo, Oslo, Norway
- Building construction and rehabilitation.
- 2012 - 2017 **PhD Candidate** | Department of Civil Engineering and Energy Technology, Faculty of Technology, Art and Design, OsloMet, Oslo, Norway
- 25% lecturing and thesis supervision in the Energy and Indoor Environment in Buildings bachelor's and master's programs.
- 2012 - 2012 **Lab Assistant** | Department of Civil Engineering and Energy Technology, Faculty of Technology, Art and Design, Oslo and Akershus University College (HiOA), Oslo, Norway
- 2005 - 2012 **Carpenter** | Bygg 1 Oslo, Oslo, Norway
- Building construction and rehabilitation, apprentice, and assistant carpenter.
 - Full-time (2005 to 2006), part-time (2006-2012).

EDUCATION

- 2012 - 2019 **PhD in Health Sciences** | Faculty of Health Sciences, OsloMet, Oslo, Norway
- Doctoral thesis: ***Exploring the Built Environment Microbiomes of Norwegian Kindergartens and Nursing Homes***
- 2010 - 2012 **M.S. Biomedicine** | Faculty of Health Sciences, Oslo and Akershus University College (HiOA), Oslo, Norway
- Dissertation: ***Characterization of mold in indoor air and development of respiratory illness: Developing co-culture techniques to reveal how fungal conidia in Norwegian indoor air might cause respiratory health problems***
- 2006 - 2010 **B.S. Biology** | North Park University, Chicago, IL, USA
- Bachelor's degree (major) in biology, with minor in chemistry
 - Pre-medical study track (Pre-med) with focus on molecular biology and physiology
 - First year of study was attended at American College of Norway in Moss, Norway
- 2002 - 2005 **Carpentry studies with additional general education** | Hellerud VGS / Elvebakken VGS, Oslo, Norway

SCIENTIFIC WORK

SELECTED PUBLICATIONS

Peer-reviewed publications: 12 | Publications as first/last author: 7 | Total citations: 182 | H-index: 7 (Google Scholar)

2023

Brunvoll S¹, Nygaard AB¹, Fagerland MW, Holland P, Ellingjord-Dale M, Dahl JA, Søråas A: **Post-acute symptoms 3-15 months after COVID-19 among unvaccinated and vaccinated individuals with a breakthrough infection.**

Research paper accepted for publication at *International Journal of Infectious Diseases*.

[DOI: 10.1016/j.ijid.2022.11.009] [PMID:] (JIF 2021: 12.074)

2022

Søråas A, Grødeland G, Granerud BK Nygaard AB Holter JC, Lund-Johansen F: **Breakthrough infections with the omicron and delta variants of SARS-CoV-2 result in similar re-activation of vaccine-induced immunity.** Peer-reviewed research paper published in *Frontiers In Immunology*.

[DOI: 10.3389/fimmu.2022.964525] [PMID: 36159859] (JIF 2021: 8.786)

Brunvoll S¹, Nygaard AB¹ Dahl JA, Meyer H, Søråas A: **Prevention of COVID-19 and other acute respiratory infections with cod liver oil supplementation, a low-dose vitamin D supplement; A quadruple-blinded randomised placebo-controlled trial.** Peer-reviewed research paper published in *British Medical Journal (BMJ)*.

[DOI: 10.1136/bmj-2022-071245] [PMID: 36215222] (JIF 2021: 93.333)

Ellingjord-Dale M, Kalleberg KT, Istre M, Nygaard AB....Ursin G, Søråas A: **The use of public transport and contraction of SARS-CoV-2 in a large prospective cohort in Norway.** Peer-reviewed research paper published in *BMC Infectious Diseases*.

[DOI: 10.1186/s12879-022-07233-5] [PMID: 35287611] (JIF 2021: 3.667).

ISARIC Clinical Characterization Group², Garcia-Gallo E, Merson L, Srinivas M, Reyes LF: **ISARIC-COVID-19 dataset: A Prospective, Standardized, Global Dataset of Patients Hospitalized with COVID-19.** Peer-reviewed data descriptor paper published in *Nature Scientific Data*.

[DOI: 10.1038/s41597-022-01534-9] [PMID: 35908040] (JIF 2021: 8.501)

2020

Nygaard AB¹, Meisal R, Tunsjø H, Charnock C: **A preliminary study on the potential of Nanopore MinION and Illumina MiSeq 16S rRNA gene sequencing to characterize building-dust microbiomes.** Peer-reviewed research paper published in *Nature Scientific Reports*.

[DOI: 10.1038/s41598-020-59771-0] [PMID:32081924] (JIF 2020: 4.13).

*This paper was awarded as one of the top 100 downloaded microbiology papers for Scientific Reports in 2020, ranking 7th in the collection *Top 100 in Microbiology* for 2020.



2018

Nygaard AB¹, Charnock C: **Longitudinal development of the dust microbiome in a newly opened Norwegian kindergarten.** Peer-reviewed research paper published in *Microbiome*.

[DOI: 10.1186/s40168-018-0553-x] [PMID:30219104] (JIF 2018: 10.77)

2017

Nygaard AB¹, Charnock C: **The bacterial composition of ventilation filter dust in Norwegian pre-school nurseries.** Peer-reviewed research paper published in *Indoor and Built Environment*.

[DOI: 10.1177/1420326X17713831] (JIF 2017: 1.25)

¹ First authorship / Shared first authorship

² Co-author as a member of the ISARIC Clinical Characterization Group

SELECTED PRESENTATIONS

2023

Invited speaker | Nygaard AB: **Persisting symptoms after SARS-CoV-2 infections: Experiences from The Norwegian Covid-19 Cohort**. COVIDMENT Annual Meeting, Tallinn, Estonia, June 20th 2023

2022

Keynote speaker | Nygaard AB: **The Norwegian Covid-19 Cohort: a national pandemic cohort**. Data@UiO -- Collection, analysis and management of big (& sometimes sensitive) data, University of Oslo, Oslo Norway, June 14th, 2022 (Digital conference)

2019

Trial lecture | Nygaard AB: **Current knowledge on environmental microbial exposure in early life and the development of asthma and allergy**. Public defence, PhD in Health Sciences, OsloMet, Oslo Norway, April 3rd, 2019

Doctoral defense | Nygaard AB: **Exploring the Built Environment Microbiomes of Norwegian Kindergartens and Nursing Homes**. Public defence, PhD in Health Sciences, OsloMet, Oslo Norway, April 3rd, 2019

2017

Invited speaker | Nygaard AB: **Bacteria in Norwegian kindergartens: Small children and their microbial Environment**. MoBE 2017: Microbiology of the Built Environment Research and Applications Symposium, Peer-reviewed conference, National Academy of Sciences, Washington DC, USA, October 10-12, 2017

Invited student talk | Nygaard AB: **Indoor climate in kindergartens: Bacterial composition of floor dust**. 3rd Annual Metagenomics and Metadesign of Subways and Urban Biomes (MetaSUB) Conference, Peer-reviewed conference, Stockholm, Sweden, July 18-20, 2017

Invited speaker | Nygaard AB: **Mikroorganismer i norsk barnehagestøv: Venn eller fiende?** Nasjonal Inneklimakonferanse, Oslo, Norway, May 9-10, 2017

TEACHING & MENTORING

TEACHING HIGHLIGHTS

- 2013 - current *Lecturer* | **Sanitation (MAEN5100)**. M.S. Energy and Indoor Environment in Buildings, OsloMet.
Topics: indoor microbiology, hygiene, infection, hospital ventilation
- 2012 - current *Lecturer* | **Energy, indoor climate and sanitation (EMTS2400)**. B.S. Energy and Indoor Environment in Buildings, OsloMet.
Topics: indoor microbiology, epidemiology, health surveys, questionnaire
- 2020 - 2021 *Lecturer* | **Energy use and indoor climate (MAEN4200)**. M.S. Energy and Indoor Environment in Buildings, OsloMet.
Topics: indoor climate, energy demands, indoor environment, health
- 2018 - 2020 *Lecturer* | **Mennesket og grunnleggende fysiologiske behov – sykepleie, kommunikasjon, farmakologi, mikrobiologi og ernæringskunnskap (SYBA1020)**. B.S. Nursing, OsloMet.
Topics: microbiology, hygiene, infection, antibiotic resistance
- 2019 - 2020 *Lecturer* | **Grunnleggende radiografi (RAD1300)**. B.S. Radiography, OsloMet.
Topics: microbiology, hygiene, infection, antibiotic resistance

RESEARCH MENTORSHIP AND SUPERVISION HIGHLIGHTS

- 2023 *PhD-candidate supervision* | **Co-supervisor for PhD-candidate**. Department of Occupational Health, Oslo University Hospital (OUS), Oslo, Norway.
- 2023 *PhD-candidate supervision* | **Co-supervisor for PhD-candidate**. Faculty of Social Sciences, Department of Psychology University of Oslo (UiO), Oslo, Norway.
- 2022 *Evaluation committee* | **Lead evaluation committee member, Master's thesis**. M.S. Energy and Indoor Environment in Buildings, OsloMet, Oslo, Norway.
- 2022 *Mentoring* | **Data Management Workshop**. OUS Research division, OUS.
Topics: Nettskjema, TSD, data management, research infrastructure, analysis pipelines
- 2022 *Mentoring* | **Bioinformatics Workshop**. DEEx Research group, OsloMet.
Topics: bioinformatics, R, RStudio, python