# Curriculum vitae with track record

## Personal information

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|---|---|---|---|
| First name, Surname: | Vigdis Aas | | |
| Date of birth: | | Sex: | |
| Nationality: | | | |
| Researcher unique identifier(s) (ORCID, ResearcherID, etc.): | | | |
| URL for personal website: | | | |

## Education

| Year | Faculty/department - University/institution - Country |
|---|---|
| 1998 (dissertation defended) | Ph.D. (Dr.philos.)<br>Department of Physiology, Institute of Basic Medical Sciences, Faculty of Medicine, University of Oslo |
| 1990 | Master (Cand.pharm.)<br>Department of Pharmacology, School of Pharmacy, University of Oslo |

## Positions - current and previous

(*Academic sector/research institutes/industrial sector/public sector/other)*

| Year | Job title – Employer - Country |
|---|---|
| 2015- | Professor, OsloMet – Oslo Metropolitan University (OsloMet), Oslo |
| 2014-2015 | Professor, Norwegian University of Science and Technology (NTNU), Trondheim |
| 2004-2014 | Associate professor, Oslo University College of Applied Sciences/OsloMet |
| 2000-2004 | Postdoc, School of Pharmacy, University of Oslo (UiO) |
| 1998-2000 | Associate professor (temporary), School of Pharmacy, UiO |
| 1991-1998 | PhD-student, Institute of Physiology, UiO |

## Career breaks

| Year | Reason |
|---|---|
| 1993-1994 | Maternity leave |
| 1995-1996 | Maternity leave |

## Project management experience

(*Academic sector/research institutes/industrial sector/public sector/other. Please list the most relevant.)*

| Year | Project owner - Project - Role - Funder |
|---|---|
| 2019-2024 | OsloMet – Characterization of extracellular vesicles from skeletal muscle cells from donors with and without type 2 diabetes – project leader – The Norwegian Diabetes Association (academic sector) |
| 2009-2019 | OsloMet – The connection between morbid obesity and skeletal muscle insulin resistance – project leader - OsloMet and The Norwegian Diabetes Association (academic sector) |

## Supervision of students

(Total number of students)

| Master's students | Ph.D. students | University/institution - Country |
|---|---|---|
| 23 | 6 | Master students: 9 at University of Oslo and 14 at OsloMet, Norway<br><br>PhD students: Main supervisor for 1 at OsloMet, co-supervisor for 1 at OsloMet and 4 at UiO, Norway |

## Other relevant professional experiences

(E.g. institutional responsibilities, organisation of scientific meetings, membership in academic societies, review boards, advisory boards, committees, major research or innovation collaborations, other commissions of trust in public or private sector)

| Year | Description - Role |
|---|---|
| 2022- | Member of the Pharmacy study programme board, OsloMet |
| 2016-2021 | Member of the PhD committee, Faculty of Health Sciences, OsloMet |
| 2020 | External expert in evaluation of research proposal, University of Leuven, Belgium |
| 2016 | Member of expert board in accreditation of Master in Drug Science, University of Copenhagen |
| 2014-2015 | Head of studies, Master programme in Pharmacy, NTNU |
| 2013-2018 | Head of studies, Master programme in Pharmacy, NTNU |
| 2009-2012 | Research group leader, Group of Disease and Environmental Exposure, Oslo University College of Applied Sciences (now OsloMet) |
| 2005- | Referee for several journals (such as PLosONE, Diabetes, Obesity and Metabolism, Applied Physiology, Nutrition and metabolism, Journal of Applied Physiology) |

# Track record

- Total number of publications: 33
- Ten selected publications:
  1. Aas V, Øvstebø R, Brusletto BS, Aspelin T, Trøseid AMS, Qureshi S, Eid DSO, Olstad OK, Nyman TA, Haug KBF (2023) Distinct microRNA and protein profiles of extracellular vesicles secretd from myotubes from morbidly obese donors with type 2 diabetes in response to electrical pulse stimulation. Front Physiol. 14: 1143966.
  2. Mengeste AM, Nikolić N, Dalmao Fernandez A, Feng YZ, Nyman TA, Kersten S, Haugen F, Kase ET, Aas V, Rustan AC, Thoresen H (2022) Insight into the metabolic adaptations of electrically pulse-stimulated human myotubes using global analysis of the transcriptome and proteome. Front Physiol. 13, 928195.
  3. Aas V, Thoresen GH, Rustan AC, Lund J. (2020) Substrate oxidation in primary human skeletal muscle cells is influenced by donor age. Cell Tissue Res. 382, 599-608.
  4. Lund J, Aas V, Tingstad R, Van Hees A, Nikolić N. (2018) Utilization of lactic acid in human myotubes and interplay with glucose and fatty acid metabolism. Scientific Report, 8, 9814.
  5. Nikolić N, Görgens SW, Thoresen GH, Aas V, Eckel J, Eckardt K. (2016) Electrical pulse stimulation of cultured skeletal muscle cells as a model for in vitro exercise – possibilities and limitations. Acta Physiol. 2017, 220, 310-331.
  6. Bakke SS, Feng YZ, Nikolić N, Kase ET, Moro C, Stensrud C, Damlien L, Ludahl MO, Sandbu R, Solheim BM, Rustan AC, Hjelmesæth J, Thoresen GH, Aas V. (2015) Myotubes from severely obese type 2 diabetic subjects accumulate less lipids and show higher lipolytic rate than myotubes from severely obese non-diabetic subjects. PLoS One. 19;10:e0119556. doi:10.1371/journal.pone.0119556.
  7. Feng YZ, Nikolić N, Bakke SS, Kase ET, Guderud K, Hjelmesæth J, Aas V, Rustan AC, Thoresen GH. (2015) Myotubes from lean and severely obese subjects with and without type 2 diabetes respond differently to an in vitro model of exercise. *Am J Physiol Cell Physiol*. 2015; 308(7):C548-56.
  8. Vigdis Aas, Siril Skaret Bakke, Yuan Z. Feng, Eili Tranheim Kase, Jørgen Jensen, Sudip Bajpeyi, G. Hege Thoresen and Arild C. Rustan. (2013) Are cultured human myotubes far from home? *Cell Tissue Res.* 2013; 354, 671-82.
  9. Nataša Nikolić, Siril Skaret Bakke, Eili Tranheim Kase, Ida Rudberg, Ingeborg Flo Halle, Arild C. Rustan, G. Hege Thoresen and Vigdis Aas. (2012) Electrical Pulse Stimulation of Cultured Human Skeletal Muscle Cells as an In Vitro Model of Exercise. PLoS ONE, 7, 1-10.
  10. Michael Gaster, Arild Chr. Rustan, Vigdis Aas, and Henning Beck-Nielsen (2004). Reduced lipid oxidation in skeletal muscle from type 2 diabetes subjects may be of genetic origin. Evidence from cultured myotubes. *Diabetes*, 53, 542-548.

## Other

- 2005 Young Investigators Award, Scandinavian Society for the Study of Diabetes.
- Invited presentation at the annual meeting of the Scandinavian Society for the Study of Diabetes 2005, Linköping, Sweden
- 2001 publication award. Best original scientific paper, School of Pharmacy, University of Oslo
- 2023 publication award. Best original scientific paper, Faculty of Health Sciences, Oslo Metropolitan University