## PERSONALINFORMATION

Name: Palle Duun Rohde
Born: 1986
Civil status: Married (2014), three kids (Jul. 2015, Feb.2018, Aug. 2022)
ORCID: 0000-0003-4347-8656

## EDUCATION

2013-2017: PhD in Genetics,Center for Quantitative Genetics and Genomics, Dept. of Molecular Biology andGenetics, Aarhus University, Denmark [four 4-year PhD-programme].
2009-2015: MSc in Biology, Dept. of Bioscience, AarhusUniversity, Denmark.

## CURRENT POSITION

Jan. 2024 Associate Professor, Department of Health Science and Technology, Aalborg University,Denmark.
Oct. 2024 Research Group Leader for the Genomic Medicine research group at Department of Health Science and Technology, Aalborg University, Denmark.

## RECENT POSITIONS AND INTERNATIONAL STAYS

September 2024 Visiting Prof Naomi Wray, Big Data Institute, Oxford University, United Kingdom
2022-2023 Postdoctoral researcher, Department of Health Science and Technology, Aalborg University,Denmark.
Jan. 2020-Feb. 2022 Postdoc fellow (grant from Lundbeck Foundation), Department of Chemistry and Bioscience, Aalborg University, Denmark.
Jan. 2018-Dec. 2019 Post docfellow, Center for Quantitative Genetics and Genomics, Dept. of Molecular Biology and Genetics, Aarhus University, Denmark.
Oct. 2017-Dec.2017 Scientific research assistant at Centre for Quantitative Genetics and Genomics, Dept. of Molecular Biology and Genetics, Aarhus University, Denmark.
Jan. 2014-Jul. 2014 Guest researcher at North Carolina State University, Raleigh, NC, USA, in Professor Trudy Mackay's group.

## SUCCESFUL OBTAINED RESEARCH GRANTS

2024 AAU Faculty of Medicine funding for career grant development [40,000DKK].
2024-2026 Co-applicant on "*Danish Reference Genome*" for computation resources at Danish e-infrastructure Cooperation (DeiC-AAU-4265-00017A) [10.000 CPU hours, 80 TB storage].
2023-2025 Co-applicant on "*Understanding the Genetic Architecture of Common Complex Diseases*" for computation resources at Danish e-infrastructure Cooperation (DeiC-AAU-N2-2023043) [60.000CPU hours, 50 TB storage].
2022-2025 Co-applicant on DFFP1 project entitled "*Integration of the Drosophila melanogaster microbiome and transcriptome for enhanced prediction of late-life events*" with Torsten Nygaard Kristensen (AAU) as main applicant (2032-00205B). [1.999.021 DKK]
2021 Grant from the Danish Parkinson society & Bjarne Saxhofs Fond (grant no R20-A494-B337)to do functional assessment of novel genetic risk factors for Parkinson'sdisease [50.000 DKK].
2021 AAU Facultyfunds for initiating new research field [169.222 DKK].
2021-2023 Contributor in project development and in grant writing to the ODIN application: "*Bayesian AnaLysis of Diabetes for Enhanced biomarkeR and drug target (BALDER)*"[3.137.619 DKK].
2020-2022 Contributor in project development and in grant writing for a two-year project on Parkinsons Disease from the Novo Nordisk Foundation, Biomedicine (grant no. 0058619)[1.400.000 DKK].
2019-2021 Three-year postdoc grant from the Lundbeck Foundation (R287-2018-735) for investing the genetic basis underlying drug response in humans [1.850.000 DKK].

## SCIENTIFIC QUALIFICATIONS

***Teaching***: In 2021 I completed the "University Pedagogy for Assistant Professors" at Aalborg University. I teach at several courses at Aalborg University and I am course responsible for an advanced course in"Human Genomics" for 8$^{th}$semester Medicine with Industrial Specialization. I have developed a new bachelor course in 'Medical Genetics' for the medical students at Aalborg University (will run for the first time in2026). I am also contributing to the master course in Personalised Medicine,and in the medical speciality course for medical doctors doing their speciality in medical genetics.
***Supervisor/Co-supervisor***: four BSc, 12MSc, five PhD, and one intern.
***Popular science***: AktuelNaturvidenskab 2014, "Psykok-fluer". Best Practice Nordic 2022, " Bedre genetisk risikovurdering af type 2-diabetes".
***Invited talks***: Nordic Society of Human Genetics and Precision Medicine 2022; NNF Symposium on BioTech, LifeScience and Health 2022; Annual Danish Bioinformatics Conference, 2018; AnnualMeeting at Molecular Biology and Genetics, Aarhus University, 2017; Aalborg University Biology Symposium, Aalborg University, 2016, Dansk Naturvidenskabsfestival, 2015.
***Conferencecontributions***: Nine poster presentations and three oral presentations, 2013-2021
***Peer review***: Editorial Board Member of *Human Genomics* (2024-2026)
Reviewing about10 manuscripts per year from 10 different journals including MolecularPsyciatry, BMC Genomics, Heredity and Scientific Reports.

*Projectmanagement*: Certified in “Project Managementfor Researchers Module A” by Peak Consulting Group, 2024.

## SCIENTIFIC FOCUS AREAS

My research focus is on quantitative genetic analysis of human complex traits and diseases, with a special emphasis on using genetic information to assess an individual’sgenetic predisposition towards common complex diseases. I am using large-scale biobank data to better understand how polygenic scores, PGS, (and other omics-derived scores) can aid in precision health as its provide information about an individuals’ genetic risk and how it can be used for decision making in health care systems. Moreover, I develop, implement and apply strategies for integrating prior biological knowledge across databases, studies and organisms for better understanding the biology of phenotypes with multifactorial aetiology. I have contributed in software implementation of statistical and genetic models for identifying genetic (risk) factors and prediction of complextraits (see fx PMID: 27317683 , PMID: 37882742 and PMID: 31883004).

## RESEARCH IMPACT [Google Scholar, October 2024]

H-index: 14
Number of publications: 50
Number of first authorship: 17
Total number of citations: 517

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