



Personal information

Name: Kuijjer, Marieke Lydia *Nationality:* Dutch
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Sex: Female *URL:* www.kuijjerlab.org

Education

2008–2013 PhD in Bioinformatics and Cancer Genomics, Department of Pathology, Leiden University Medical Center (LUMC), the Netherlands
2006–2008 Master of Science in Biomedicine, Leiden University, the Netherlands
2003–2007 Bachelor of Science in Biomedicine, Leiden University, the Netherlands

Current and previous positions

2025– Associate Professor in Cancer Data Science, University of Helsinki, Finland
2020–2023 Assistant Professor (20%), Dep. of Pathology, LUMC, the Netherlands
2018–2028 Group Leader at NCMM, University of Oslo, Norway (from Jan 2025 part-time)
2013–2018 Research Fellow, Dep. of Biostatistics and Computational Biology, Dana Farber Cancer Institute; Dep. of Biostatistics, Harvard Chan School of Public Health, USA

Documented leave 5.5 months

Funding and project management experience (selection)

Total amount of **external funding** allocated to my group approx. **3,346,300 EUR** (internal 4,064,000).
2025–2027 iCAN Cancer Data Science group, UH. **PI**
2024–2028 Krafttak mot Kreft, Norwegian Cancer Society. **PI**
2022–2024 UNIFOR-FRIMED, University of Oslo. **PI**
2021–2026 Young Research Talents, Norwegian Research Council. **PI**
2021–2025 Pink Ribbon grant, Norwegian Cancer Society. **PI**
2021 National Cancer Institute (NCI)/Department of Energy (DoE). **Co-PI**
2020–2023 Leiden Center for Computational Oncology, Leiden University Medical Center. **Co-PI**
2018–2028 Computational Biology and Systems Medicine group, NCMM, UiO. **PI**

Fellowships and awards (selection)

2024 Familien Blix Fond award for Outstanding Cancer Research (1M NOK)
2016–2018 Charles A. King Postdoctoral Fellowship
2016–2017 National Cancer Institute (NCI) Career Enhancement Program (CEP) Award
2012–2013 Best presentation award and thesis sponsorship, Dutch Cancer Society (KWF)

Supervision of graduate students and research fellows

2018– 2 Researchers, 7 Postdoctoral Fellows (incl. 2 co-supervised, 3 Marie Curie Scientia Fellows) +3 starting in 2025, 14 PhD students (incl. 3 co-supervised, 4 visiting), 1 Research Assistant, 10 Master's students (incl. 3 theses)
2013–2018 2 PhD students (1 rotation, 1 visiting), 3 Master's students (incl. 1 thesis)
2008–2012 2 Master's students (incl. 1 thesis)

Teaching activities

2021– Invited lectures at UNAM, Mexico and University of Freiburg, Germany
2022– Co-designer, organizer, and lecturer of 1 PhD course
2019– Lecturer at 2 PhD courses
2015 Teaching Assistant at Harvard Catalyst course
2009–2010 Lecturer and workgroup leader at 1 Bachelor's course

Organization of conferences, workshops, seminars, and consortia

2023 Co-organizer of 1 international workshop
2022– Executive Committee Member and biologist representative of 1 international consortium

2020– Scientific Committee Member of 2 international conferences
2014– Co-organizer of 2 seminar series

Institutional responsibilities

2020– Advisor of the ISCB Regional Student Group (RSG) Norway, Nordic Computational Biology network (ISCB affiliate)
2019–2025 Member of the NCMM IT steering committee and hiring board
2018– Hiring panel member for various positions at NCMM, UiO, UiB, Leiden University

Grant and position review

2023– Evaluation of 2 Group Leader positions, 1 Group Leader renewal, 3 NORPOD Postdoctoral Fellowships
2022– *Ad hoc* Grant Review, Medical Research Council, UK; Personal Research Grants Program, Israel Science Foundation (ISF); United States-Israel Binational Science Foundation (BSF), HORIZON-MCSA
2020–2025 Grant Review Committee Member for Data Science, Novo Nordisk Foundation, Denmark (Standing Committee Expert); WASP DDLS/NEST joint program, Sweden; Québec Research Fund, Canada

Thesis opponent and review

2023– (International) Committee Member of 4 PhD students
2023– Review of 3 international PhD theses
2021– Evaluation of 1 international PhD thesis proposal
2020– Opponent of 6 PhD defenses, incl. 2 international
2020– Midterm evaluation of 8 PhD students at UiO
2016– MSc opponent of 3 defenses

Editorial and reviewer work

2017– Conference Proceedings Committee Member at two international conferences
2016– Editor at *Cancer Research* and Associate Editor at *Bioinformatics Advances*
2010– Peer reviewer of a total of 64 manuscripts for 22 international journals

Track record

71 scientific publications, including 17 senior, 13 first, and 21 corresponding authorships.

h-index: 32, i-10 index: 47, **citations: 5,307** (Google Scholar, accessed Dec 24, 2024).

11 computational softwares. For more details, see www.kuijjerlab.org/tools.

Invited international talks: 2 keynotes, 7 conference talks, 1 panel discussion, 12 seminars

Five selected publications

1. Hsieh PH, Hsiao RX, Ferenc K, Mathelier A, Burkholz R, Chen CY, Sandve GK, Belova T†, **Kuijjer ML**† (2024) CAVACHON: a hierarchical variational autoencoder to integrate multi-modal single-cell data. *arXiv* 10.48550/arXiv.2405.18655 [cs.LG]
2. Osorio D, Capasso A, Eckhardt SG, ..., Sahni N, Yi SS, **Kuijjer ML**. Population-level comparisons of gene regulatory networks modeled on high-throughput single-cell transcriptomics data. *Nat Comput Sci*. 2024 Mar 4;4(3):237-250
3. Hsieh PH, Lopes-Ramos CM, Zucknick M, Sandve GK, Glass K, **Kuijjer ML** (2023) Adjustment of false positive associations in co-expression measurements from RNA-Sequencing data. *Bioinformatics* Oct 6:btad610
4. Belova T, Biondi N, Hsieh PH, Lutsik P, Chudasama P, **Kuijjer ML** (2023) Heterogeneity in the gene regulatory landscape of leiomyosarcoma. *NAR Cancer* 5(3):zcad037
5. Lopes-Ramos CM, Belova T, Brunner T, Ben Guebila M, Osorio D, Quackenbush J, **Kuijjer ML** (2021) Regulatory network of PD1 signaling is associated with prognosis in glioblastoma multiforme. *Cancer Res* 81(21):5401-5412