

Prof Dr, JJ, Jeanine, Houwing-Duistermaat

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Education

PhD: University of Leiden, 25/09/97; Statistical methods for family data

Master: University of Utrecht, 31/08/92, Main subject: Mathematics, Statistics

Work experience since completing PhD

Professor in data analytics and statistics	2015-	School of Mathematics, University of Leeds
Professor of Statistical Genetics	2010-2015	Leiden University Medical Center, 0FTE until 2020
Associate professor*	2006-2010	Leiden University Medical Center
Guest Professor	2006-2015	University of Hasselt, Belgium
Assistant professor*	2003-2006	Leiden University Medical Center
Assistant professor*	2000-2003	ErasmusMC, Rotterdam
Post-doc*	1997-2000	ErasmusMC, Rotterdam

*0.8FTE position until 2008 (mother of three children, 1995, 1998, 2002)

Grants

PI	Amount	Year of award
IMforFUTURE, Horizon2020*	2.9M; 547K for Leeds	2016
MIMOmics, FP7, EU*	6M; 1.6M for LUMC	2012
Aspasia, NWO, NL (personal)	100K	2006
VIDI, NWO, NL (personal)	500K	2005
Top, NWO, NL	400K; 200K for LUMC	2002
Co-applicant		
Topbreed, STW, NWO, NL*	660K; one PhD for my group	2015
SPIN JRP, KNAW, NL	590K; one PhD for my group	2012
Reumafonds	200K; 60K for my group	2008
IOP2*	200K for my group	2005

*Multi partner grants including partners from Academia and Industry

Current collaborations. I have many academic and industrial collaborations within Europe. However my network in the UK is still limited. Since I joined the University of Leeds 2.5 years ago, I started collaborations within Leeds. Academia: Statistics (many), Medicine (Francesco del Galdo, Andy Clegg), Biology (Emanuele Paci), Geography (Adriane Esquivel Muelbert); Government and Industry: Leeds City Council, Callcredit, CCG, Aviva, Public Health England. ATI will provide an opportunity to extend my network with partners in the UK.

PhD students successfully completed

- Renaud Tissier will defend thesis after summer
- Alexia Kakourou, currently appointed as biostatistician at Danone, Utrecht, NL
- Bruna Balliu, currently appointed as post-doc at Stanford University
- Andrea Callegaro, currently appointed as senior statistician at GlaxoSmith Kline Pharmaceutical Industry, Belgium
- Rachid el Galta, currently appointed as statistician at Astella's, The Netherlands
- Fernando Rivadineira, currently appointed as associate professor at ErasmusMC
- Siti Wahyuni, Medical Doctor, Indonesia

Committees/Editorial Boards (selection)

- 2021 Member of REF subpanel mathematical sciences
- 2018- Member of Scientific Advisory Board of SOPSYCH, PI prof Bisgaard, Denmark (topic: omics research)
- 2017-2020 Member of Board of International Society of Genetic Epidemiology
- 2017 Member of Committee on the Novo Nordisk Fonden Challenge Programme 2017, Big Data in Biomedicine, Denmark
- 2016- Academic Board, Leeds Institute for Data Analytics, Leeds
- 2013-2017 President of the Dutch region of the International Biometric Society
- 2013-2014 Coordinator of Strategiestudie research ICT 2018: Report on investments in data, service, collaboration and IT facilities to bring research within the LUMC to the next level.
- 2013-2015 Co-editor of Biometrics (representing Europe)
- 2011- Member of editorial board of genetic epidemiology
- 2011-2015 Chair of female network of the LUMC (VITAAL)
- 2011-2017 Member of board of research profile of Leiden University: "Health prevention and the Human life cycle" collaboration Faculty of Social Sciences and Medical Faculty. Since 2015 in Management Team.

Refereed articles

226 publications: 15 first author publications, 19 second author publications, 28 last author publications; H-index: 59 (google scholar)

Relevant publications

- 1 **Houwing-Duistermaat JJ**; Uh HW; Gusnanto A (2017) Discussion on the paper 'Statistical contributions to bioinformatics: Design, modelling, structure learning and integration' by Jeffrey S. Morris and Veerabhadran Baladandayuthapani. *Statistical Modelling*, **17** (4-5), pp. 319-326
- 2 Rodriguez-Gironde M, Salo P, Burzykowski T, Perola M, **Houwing-Duistermaat JJ**, Mertens B (2017) Sequential double cross-validation for assessment of added predictive ability in high-dimensional omic applications. Accepted *Annals of Applied Statistics*
- 3 Tissier R; Tsonaka R; Mooijaart SP; Slagboom E; **Houwing-Duistermaat JJ** (2017) Secondary phenotype analysis in ascertained family designs: application to the Leiden longevity study. *Statistics in Medicine*, **36** (14), pp. 2288-2301
- 4 Rodríguez-Gironde M, Deelen J, Slagboom EP, **Houwing-Duistermaat JJ** (2016) Survival analysis with delayed entry in selected families with application to human longevity. Accepted *Statistical methods in medical research*
- 5 Bouhaddani SE, **Houwing-Duistermaat J**, Salo P, Perola M, Jongbloed G, Uh HW. (2016) Evaluation of O2PLS in Omics data integration. *BMC Bioinformatics*. 17 Suppl 2:11.
- 6 Tsonaka R, van der Woude D, **Houwing-Duistermaat J**. (2015) Marginal genetic effects estimation in family and twin studies using random-effects models. *Biometrics*. 71(4):1130-8.
- 7 Deelen J, Beekman M, Uh HW, ... **Houwing-Duistermaat JJ**, Slagboom PE. (2014) Genome-wide association meta-analysis of human longevity identifies a novel locus conferring survival beyond 90 years of age. *Hum Mol Genet*. 23(16):4420-32.

Other publications

-Meet inspirational women in statistics.

<http://olabout.wiley.com/WileyCDA/Section/id-829240.html>

-Is optimisme over data analytics wel terecht?

<http://www.digitalezorg.nl/digitale/uploads/2016/12/DZM-4.pdf>