

Mathias Wullum Nielsen

Assistant Professor (tenure track)
Department of Political Science
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Research Interests include:

- Diversity in science
- Social studies of science
- Research policy and development
- Responsible research and innovation (RRI)
- Gender and science
- Gender and health
- Gendered Innovations
- Sociology of medicine
- International comparative research
- Mixed methods social-science research
- Bibliometrics
- Computational social science
- Survey experiments

Academic Experience

- Assistant Professor (tenure track), Danish Centre for Studies in Research and Research Policy, Department of Political Science, Aarhus University
10.1.2017-present
- Postdoctoral fellow, Gendered Innovations, History of Science, Stanford University.
9.22.2015-9.31.2017.
- Postdoctoral fellow, the Danish Centre for Studies in Research and Research Policy, Aarhus University.
07.01.2015-09.21.2015.
- Research assistant, the Danish Centre for Studies in Research and Research Policy, Aarhus University.
03.26.2015-06.30.2015.
- Visiting scholar, Center for Feminist Social Studies, University of Örebro, Sweden.
01.19.2015-01.30.2015.
- Visiting scholar, Center for Gender in Organizations, Simmons College, Boston, MA.
02.01.2014-06.30.2014.
- Ph.D. fellow, the Danish Centre for Studies in Research and Research Policy, Aarhus University.
02.01.2012-03.25.2015.
- Research assistant, The Danish Centre for Studies in Research and Research Policy, CFA, Aarhus University.
11.01.2011-01.31.2012.

Degrees

- Ph.D., Social Science, Aarhus University. 06.15.2015.
- Master of Science in Sociology, Department of Sociology, University of Aalborg. 11.29.2010.
- Bachelor of Science in Sociology, Department of Sociology, University of Aalborg. 06.22.2007.

Project participation

- Social Dynamics of Science (PI, Aarhus University Research Foundation)
- Gender and networks in early career academic advancement (PI, Aarhus University)
- SUPERMORRI (Project participant, European Commission)
- NewHoRRizon (Project participant, European Commission)
- Gendered Innovations (Project participant, National Science Foundation and European Commission).

- MoRRI (Project participant, European Commission)
- STAGES (Project participant, European Commission)
- MASIS (Project participant, European Commission)
- The Mapping of Danish Research on Welfare and Social Issues (The Danish Ministry of Social Affairs).

Scientific advisory positions

- Member of the European-Commission expert group “Gendered Innovations/ Innovations through Gender” (Chair of the methods and theory section) (EC, SWAFS, 2018-2020).
- Member of the International Advisory Board for the Gender Equality Team at the University of Southern Denmark (2018-present)
- Scientific advisor on the Nordic collaborative research project NORDICORE (2017-2021)
- Panel Member for the Norwegian Research Council’s BALANSE program allocating 40 million NOK for knowledge learning and innovative measures aimed at promoting gender equality in academia (2017-2021)
- Member of the Danish Management Committee of the Gender, Science, Technology and Environment (genderSTE), European Cooperation in Science and Technology (COST) (2013-2015).

Research grants, fellowships and distinctions

- 3-year ‘Starting Grant’ from Aarhus University Research Foundation. (09.01.2018-09.01.2021) (\$280,000). Principal Investigator
- Research grant for the project ‘Gender and Networks in Early-career Academic Advancement’ (02.01.2018-12.31.2018) (\$30,000). Principal Investigator.
- 2-year postdoctoral fellowship in Gendered Innovations at Stanford University’s Department of History (area of History of Science) (09.22.2015-09.31.2017).
- Nordic Centre for Research on Gender Equality in Research and Innovation (NORDICORE) (12.01.2016-11.30.2021) (\$3 million). Principal Investigator for one of the four subprojects (Offer declined).
- 2-year Max Weber Fellowship, European University Institute, Florence, Italy (09.01.2017-09.01.2019) (Offer declined)
- Kraka Prize 2017. For remarkable Danish gender research (5.000 DKR) (04.28.2017).

Teaching experience

- Gender diversity in science – undergraduate and graduate classes at Stanford University (2016 and 2017)
- Sociological theory – undergraduate course as part of Aarhus University’s elective program in Sociology (average attendance 36 students) (2012-2015, 2018)
- Gender-diversity management – course module directed at research leaders at Aarhus University (Attendance 55 research leaders) (2013)
- Master’s thesis advisement – Nete Yde (Department of Political Science, Aarhus University) (2018)

Invited talks and paper presentations

- SCANCOR 30th Anniversary Conference (invited speaker). Stanford University. 02.11.2018.
- NORDICORE Workshop on Gender Equality in Science (keynote). University of Oslo. 09.20.2018.
- 18th International Symposium on Staphylococci and Staphylococcal Infections. University of Copenhagen. 08.25.2018.
- 10th European Conference on Gender Equality in Higher Education (keynote). 08.22.2018.
- Afternoon talk at Aarhus Institute of Advanced Studies (invited speaker). Aarhus University. 09.05.2018.
- Seminar for Gender-Equality Practitioners at Danish Universities (invited speaker). 06.06.2018.
- Gender Diversity in Survey Design. Research Workshop in Gothenburg (invited speaker). University of Gothenburg. 06.12.2018.
- Kick-off Symposium – Gender Equality at SDU (invited speaker). University of Southern Denmark. 04.12.2018.
- Canadian Gender in Health Promotion Consultation meeting (invited speaker) 01.18.2018.
- Symposium on Evaluation & Diversity (invited speaker), Technical University of Munich. 10.05.2017.
- NORDICORE Workshop on Gender Equality in Science (keynote). University of Oslo. 09.21.2017.

- International Workshop on Gender in Academia (keynote), University of Bergen. 08.21.2017.
- Gender Summit 10-Asia Pacific (invited speaker), Tokyo. 05.25.2017.
- Workshop on Gender Equality Interventions in the US and EU (Panel member). University of Wisconsin-Madison. 10.11.2016.
- Swedish National Conference on Equal Opportunities (invited speaker). Lund University. 10.07.2016.
- Workshop on Gender in Recruitment and Selection in the Natural Sciences (invited speaker), University of Copenhagen. 10.06.2016.
- Paper presentation at the Danish Centre for Studies in Research and Research Policy (invited speaker), Aarhus University, Denmark. 10.05.2016.
- Gender Conference 2016 - League of European Research Universities (keynote speaker). Lund University. 10.04.2016.
- Workshop on Global Entrepreneurial University Metrics (invited speaker), International Triple Helix Institute, Palo Alto, California. 06.04.2016.
- The NSF-sponsored Gendered Innovations workshop 'Is there a gender-diversity dividend in science?' at Stanford University (Coordinator and speaker). 02.26.2016.
- Paper presentation – Workshop on Computational Sociology, Stanford University. 02.03.2016.
- Research seminar of the research network 'Gendering in Research' (invited speaker). Aarhus University. 05.28.2015.
- Conference for the Human Resources Departments of the Danish Universities (invited speaker). Denmark. 05.12.2015.
- Workshop on Gender Equality at the Natural History Museum of Denmark (invited speaker). University of Copenhagen. 04.18.2015.
- Research Seminar at the Centre for Feminist Social Research (invited speaker) University of Örebro. 01.20.2015.
- Workshop on Gender Equality in the Natural Sciences (invited speaker). University of Copenhagen. 12.02.2014.
- International Symposium on Gender Equality in Academia (invited speaker) University of Sabanci. 11.07.2014.
- 8th European Conference on Gender Equality in Higher Education (2 paper presentations). Vienna. 03.09.2014.
- Distinguished Scholar Speaker Series, Center for Gender in Organizations, Simmons School of Management. Boston. 04.28.2014.
- 3rd European Conference on Politics and Gender (paper presentation). Barcelona. 03.24.2013.
- 7th European Conference on Gender Equality in Higher Education (paper presentation). 09.29.2012.

My research in the news (selected).

- *Nature Careers*: 10.13.2018. goo.gl/8KMygu
- *World Economic Forum*. 10.10.2018. goo.gl/8aBhB3
- *Inside Higher Ed*. 10.10.2018. goo.gl/t8GDQj
- *Phys.org*. 10.05.2018. goo.gl/3qYStR
- *Stanford News*. 10.04.2018. goo.gl/b8yg2J
- *Forbes*. 09.26. 2018. goo.gl/A7E4Lw
- *Times Higher Education*. 04.04.2018. goo.gl/6eyLUM
- *Metro.co.uk*. 03.08.2018. goo.gl/M8hdx9
- *kjonnsforskning.no*. 01.15.2018. goo.gl/v7FFz6
- *Nature*. 01.04.2018. goo.gl/uJ8BnS
- *Laboratoryequipment.com*. 11.08.2017. <https://bit.ly/2QwSigt>
- *Futurity.org*. 11.08.2017. <https://bit.ly/2xmb7v>
- *Seeker*. 11.07.2017. goo.gl/apC9WR
- *Videnskab.dk*. 11.07.2017. goo.gl/RGfKgH
- *Phys.org*. 11.07.2017. goo.gl/864zM2
- *Bustle.com*. 11.07.2017. <https://bit.ly/2ja8JmE>

- *Kifinfo.no*. 10.24.2017. <https://goo.gl/GXwWbv>
- *Chemical and Engineering News*. 10.13.2017. goo.gl/eJRSSm
- *World Economic Forum*. 10.10.2017. goo.gl/fYxx65
- *Quartz*. 10.07.2017. goo.gl/TN2iz6
- *Nature Asia*. 10.07.2017. goo.gl/yd85PG
- *MedicalXpress*. 10.07.2017. goo.gl/zeyjsV
- *Stanford News*. 10.07.2017. goo.gl/SsmwYz
- *Jano.es*. 10.07.2017. <https://bit.ly/2OpEiU3>
- *MyScience*. 10.07.2017. <https://bit.ly/2NPN1Sv>
- *True Viral News*. 10.07.2017. <https://bit.ly/2xgyc1Y>
- *The New Yorker*. 10.06.2017. goo.gl/mKcXQW
- *Curie* (The Swedish Research Council's online journal). 03.08.2016. <https://bit.ly/2Nh4h3C>
- *NIKK.no*. 10.07.2015. <https://bit.ly/2NSmCDs>
- *KVINFO.dk*. 10.09.2015. <https://bit.ly/2xfjiZE>
- *Nature*. 09.29.2015. <https://go.nature.com/1YCItw5>
- *forskning.no* 08.30.2015. <https://bit.ly/2QCMUYS>
- *kifinfo.no* 08.25.2015. <https://bit.ly/2xoAviI>
- Interviewed for the nationally broadcasted public radio station DR - P1. 09.02.2015.
- Danish newspaper, *Information*. 09.02.2015. <https://bit.ly/2xiPSJe>
- Aarhus University's newspaper, *Omnibus*. 02.02.2015. <https://bit.ly/2NL9d06>
- *Magisterbladet*. 01.31.2015. <https://bit.ly/2xeH0p2>
- *KVINFO.dk*. 02.01.2015. <https://bit.ly/2MCaX7k>
- *Uniavisen.dk*. 12.03.2014. <https://bit.ly/2xqnftK>
- *Videnenskab.dk*. 10.11.2014. goo.gl/dYK836
- *Uniavisen*. 04.16.2014. <https://bit.ly/2xoEk7z>
- Danish newspaper *Jyllandsposten*. 12.15.2013. <https://bit.ly/2MB75TX>
- *Kifinfo*. 09.27.2013. <https://bit.ly/2QBS086>

Attention on social media (selected examples from Altmetrics)

- Why diversity helps produce stronger research: <https://bit.ly/2FeDgss>
- Making gender diversity work for scientific discovery and innovation: goo.gl/ptvL67
- One and a half million medical papers reveal a link between author gender and attention to gender and sex analysis: goo.gl/emTnfw
- Gender diversity leads to better science: goo.gl/8JCC8a
- Make academic job advertisements fair to all: goo.gl/oa3Xmp
- A global call for action to include gender in research impact assessment: goo.gl/GtY58h

Ad-hoc reviewer for scientific journals

Elife, the Lancet, Higher Education, Science and Public Policy, Nature Human Behavior, Scandinavian Journal of Management, Gender and Education, Gender, Work and Organization, Journal of Informetrics, Scientometrics, PLOS-ONE.

PUBLICATION LIST

Publications in Peer-reviewed Journals

1. Nielsen, M. W., Bloch, C. W., Schiebinger, L. (2018). Making gender diversity work for scientific discovery and innovation. *Nature Human Behaviour* 2, 726–734.
2. Andersen, J. P., & **Nielsen, M. W.** (2018). Google Scholar and Web of Science: Examining gender differences in citation coverage across five scientific disciplines. *Journal of Informetrics*, 12(3), 950-959.
3. Nielsen, M. W. (2018). Scientific performance assessments through a gender lens: a case study on evaluation and selection practices in academia. *Science and Technology Studies*, 31(1), 2-30.
4. Nielsen, M. W., Andersen, J. P., Schiebinger, L., & Schneider, J. W. (2017). One and a half million medical papers reveal a link between author gender and attention to gender and sex analysis. *Nature Human Behaviour*, 1(11), 791-796.
5. Nielsen, M. W., Alegria, S., Börjeson, L., Etzkowitz, H., Falk-Krzesinski, H. J., Joshi, A., ... & Schiebinger, L. (2017). Opinion: Gender diversity leads to better science. *Proceedings of the National Academy of Sciences*, 114(8), 1740-1742.
6. Nielsen, M. W. (2017). Gender and citation impact in management research. *Journal of Informetrics*, 11(4), 1213-1228.
7. Nielsen M. W. (2017). Reasons for Leaving the Academy: A Case Study on the ‘Opt Out’ Phenomenon among Younger Female Researchers. *Gender, Work & Organization*, 24 (2), 134-155.
8. Nielsen M. W. (2017). Gender consequences of a national performance-based funding model: New pieces in an old puzzle. *Studies in Higher Education*, 42(6), 1033-1055.
9. Nielsen, M. W. (2017). Scandinavian approaches to gender equality in academia: A comparative study. *Scandinavian Journal of Educational Research*, 61(3), 295-318.
10. Ovseiko, P. V., Greenhalgh, T., Adam, P., Grant, J., Hinrichs-Krapels, S., Graham, K. E., ... **Nielsen, M. W.**,... & Al Rahbi, I. S. (2016). A global call for action to include gender in research impact assessment. *Health Research Policy and Systems*, 14(1), 50.
11. Nielsen M. W. (2016). Gender inequality and research performance: Moving beyond individual-meritocratic explanations of academic advancement. *Studies in Higher Education* 41(11), 2044-2060.
12. Nielsen, M. W. (2016). Limits to meritocracy? Gender in academic recruitment and selection processes. *Science & Public Policy*, 43 (3), 386-399.
13. Nielsen, M. W. (2015). Make academic job advertisements fair to all. *Nature*, 525(7570), 427.

14. Nielsen, M. W. (2014). Justifications of Gender Equality in Academia: Comparing Gender Equality Policies of Six Scandinavian Universities. *Nordic Journal of Feminist and Gender Research*, 22 (3), 187-203.
15. Mejlgaard, N., Bloch, C., **Nielsen, M. W.**, Degn, L. & Ravn, T. (2012). Locating Science in Society across Europe: Clusters and Consequences, *Science and Public Policy*, 9(6). 741-740.

Peer-reviewed conference proceedings

16. Andersen, J. P., & **Nielsen, M. W.** (2017). Do Google Scholar and Web of Science reflect women's and men's scholarly impact differently? A comparison of US researchers in sociology and economics. In *16th International Conference on Scientometrics and Informetrics International Society for Scientometrics and Informetrics Conference*.
17. Andersen, J. P., Schneider, J. W., & **Nielsen, M. W.** (2016). Mapping the author gender-distribution of disease-specific medical research. In *21st International Conference on Science and Technology Indicators - Science and Technology Indicators Conference* (pp. 852-862). Editorial Universidad Polit cnica de Valencia.

Non peer-reviewed publications

18. Laustsen, C. B., Larsen, L. T., **Nielsen, M. W.**, Ravn, T., & S rensen, M. P. (in press). Social theory – a textbook. Routledge, London.
19. Laustsen, C. B., Larsen, L. T., **Nielsen, M. W.**, Ravn, T., & S rensen, M. P. (2016). Sociologisk teori - en grundbog [Sociological theory – a textbook]. Akademisk Forlag, Copenhagen.
20. Nielsen, M. W. (2015). *New and persistent gender equality challenges in academia*. Ph.D. dissertation, the Danish Centre for Studies in Research and Research Policy, Department of Political Science, Aarhus University. Politica, Aarhus University.
21. Ravn, T., **Nielsen, M. W.**, & Mejlgaard, N. (2015). Monitoring the Evolution and Benefits of Responsible Research and Innovation (MoRRI): Metrics and indicators of Responsible Research and Innovation. Task 3, progress report, Deliverable D3.2. European Commission.
22. Ravn, T., **Nielsen, M. W.**, & Mejlgaard, N. (2015). Monitoring the Evolution and Benefits of Responsible Research and Innovation (MoRRI): Synthesis report on existing indicators across Responsible Research and Innovation dimensions. Task 3. Progress report. Deliverable D3.1. European Commission.
23. **Nielsen, M. W.**, Gylstorff, S. A., & Mejlgaard, N. (2015). Monitoring the Evolution and Benefits of Responsible Research and Innovation (MoRRI): Institutional efforts to ensure and enhance responsible conduct of research: Lessons learned from Aarhus University. Task 6. European Commission.
24. **Nielsen, M. W.**, Vinther, U. L., Schmidt, E. K., & Gravesen, E. K. (2014). *Ligestilling ved Aarhus Universitet: Status og udfordringer* (Bidrag til AU-ledelsens udvikling af en ny

ligestillingspolitik) [Gender Equality at Aarhus University: Status and Challenges
[Contribution to the University's new gender equality plan]. *P. 1-40.*

25. **Nielsen, M. W.** (2013). "Italesættelser og retfærdiggørelser af ligestilling I nordisk akademia" [Articulations and justifications of gender equality in Nordic academia] *Forskningspolitikk*. Vol 2, pp. 22-23.
26. Mejlgaard, N., Bloch, C., **Nielsen, M. W.**, Degn, L. & Ravn, T. (2012). *Monitoring Policy and Research Activities on Science in Society in Europe (MASIS): Final synthesis report* (MASIS; EC fp7)
27. Mejlgaard, N., Bloch, C., **Nielsen, M. W.**, Degn, L. & Ravn, T. (2011). *Monitoring Policy and Research Activities on Science in Society in Europe (MASIS), Interim Report* (MASIS; EC fp7).