Curriculum vitae – prof. Johanna H. Meijer

EDUCATION

1989	PhD (*cum laude*) Dept. of Physiology, Leiden University, the Netherlands
1985	Master's degree (*cum laude*) Departments of Biology, Physics, and Medicine, Leiden University, the Netherlands

CURRENT POSITIONS

2007 – present	Professor and Head of Neurophysiology- Dept. of Cell and Chemical Biology, Leiden University Medical Center (LUMC), Leiden, the Netherlands

PREVIOUS POSITIONS

2013 – 2019	Visiting Professor- Nuffield Laboratory of Ophthalmology, Sleep and Circadian Neuroscience Institute, Dept. of Ophthalmology, University of Oxford, Oxford, UK
2001 – 2007	Associate Professor Department of Physiology, LUMC, Leiden, the Netherlands
1992 – 2001	Assistant Professor Department of Physiology, LUMC, Leiden, the Netherlands

FELLOWSHIPS AND AWARDS

2020	Dutch National Research Agenda grant for the BioClock Consortium (9,7 Million euro)
2019	European Research Council grant "The circadian clock in day-active species: Preserving our health in modern society" (2,4 Million euro)
2016	Aschoff and Honma Prize in Biological Rhythm Research (most prestigious international prize in the circadian research field, awarded biannually)
1999	Best Teacher Award in BioPharmaceutical Sciences (Fac. Natural Sciences, Leiden University)
1993	Aschoff's Rule (prize for eminent contributions in chronobiology supporting the interdisciplinary spirit of the field), received from Noble prize winner J Hall
1989	Fellowship, duration 3 years, from the Royal Dutch Academy of Sciences

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

20 completed PhD dissertations, of which 2 are cum laude, 5 current PhD candidates
9 former postdoctoral fellows, currently 1 postdoctoral fellow
Mentor of assistant and associate female professors, Women in Science program LUMC
Mentor of female LUMC postdocs, "Vitaal" (female network) program LUMC

TEACHING ACTIVITIES

2015 – 2019	Development, Coordinator and Lecturer interdepartment honors class: Complexity Theory
2014	Development 10 week minor course "Advances in Neurosciences"
2013 – 2019	Lecturer and Co-organizer of the Circadian Summers School in Oxford
2011 – 2014	Development, Coordinator and Lecturer interdepartmental honors class: Obesity, a global problem requiring global solutions
2009 – 2015	Lecturer, "Mechanisms of Ageing" (Leiden Academy)
2006 – present	Lecturer and Co-organizer, "Introduction to Neuroscience" (Biomedical Sciences, Leiden)
2007 – present	Lecturer, "Advances in Neuroscience", Frontiers of Science course
2007 – 2010	Lecturer, "The Nervous System", first-year medical students
2001 – 2003	Course Coordinator, Neurosciences for Life Science and Technology (Leiden and Delft)

2000 – 2012 Course Coordinator and Lecturer, “Physiological Regulation and Feedback Systems”
2000 – 2011 Course development, coordinator and Lecturer, “How to Write a Research Proposal”
2000 – 2005 Lecturer, Neuroscience Program (Dept. of Biology, Utrecht University)
1999 – 2005 Course Coordinator, “Cognitive Neurosciences” (annual interdepartmental course)
1996 – 2001 Course Coordinator, “Chronobiology” (interdepartmental course)
1993 – 2000 Course Coordinator, “Neurophysiology” (BioPharmaceutical Sciences, Leiden)

ORGANISATION OF SCIENTIFIC MEETINGS

2023 Dutch Chronobiology Meeting (Leiden)
2022-present Annual BioClock consortium progress meeting (Leiden)
2022 BioClock consortium kick-off (Amsterdam)
2016 Annual Winter Lecture at the Royal Holland Society of Sciences and Humanities (KHMW) by prof. G.D. Block, Chancellor at UCLA, USA
2016 Organizer, satellite symposium “Network Science” (Leiden)
2015 Organizer, “Complexity Science” (Lorentz Center Meeting)
2015 Organizer, “Modelling Human Circadian Rhythms” (Lorentz Center Meeting)
2014 Co-organizer, Chronobiology Summer School program (Oxford)
2013 Organizer, “Clinical relevance of circadian rhythms” (Lorentz Center Meeting, with C. Colwell, UCLA, R. Foster, Oxford, and D. Swaab, Amsterdam)
2012 Organizing committee, Complexity Winter School (NWO Program in Complexity, Zandvoort)
2011 Program committee member, Leiden International Medical Student Conference (Leiden)
2010 Organizer, “Assembling a Multi-Cellular Circadian Pacemaker: Seeking Principles of Neural Circuit Organization” (Lorentz Center Meeting, with W Schwartz, L Morin and Helfrich Foster)
2009 Program committee member, Leiden International Medical Student Conference (Leiden)
2006 Program committee member, Society for Research on Biological Rhythms conference (Canada)
2004 Co-organizer, “Time” interdepartmental lecture series (Leiden)
2002 Organizer, “The Circadian Clock” symposium in honour of Prof. W.J. Rietveld (Leiden)
2001 Organizer, “Neurobiology of Circadian Rhythms” (5th Endo-Neuro meeting)

INSTITUTIONAL RESPONSIBILITIES

2023 – present Confidant LUMC
2012 – present LUMC representative, Life Sciences Committee, Bioscience Initiative (Faculty of NaturalSciences, Leiden University)
2012 – present Mentor in ‘Woman in Science program’, for junior female academic staff members
2012 – 2022 Content Development and Coordinator, Annual Interdisciplinary Honours Courses
2009 – 2022 Selection committee MD/PhD program LUMC
2011 – 2020 Co-founder and Organizer, Committee for the Advancement of Female Faculty Members (Leiden University)
2010 – 2014 LUMC representative to the University Honours Council
2008 – 2022 Committee member, C.J. Kok Prize for promising young researchers at LUMC
2008 – 2011 Co-founder and Organizer, “Vitaal”-LUMC Network for Female Scientists and Clinicians
2001 – 2009 Coordinator Physiology education LUMC

REVIEWING ACTIVITIES

Editorial board member, *Journal of Biological Rhythms* and *Chronobiology International;*
Invited peer reviewer of 20-25 articles/year for Nature, Science, PNAS, Curr Biol etc;
NWO Vidi grant committee member;
Jury Member for the Young Talent Graduation Award in Life Sciences, Royal Dutch Society of Sciences;
Member of the Royal Dutch Society of Sciences;

National scientific member for non-academic hospitals and academic medical centers for design shift work recommendations and app;
Member of Life Sciences Board, Lorentz Center, Leiden;
Board of NWO "Complexity" program successfully launched 2015

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2021 – present Elected member of Academia Europaea, number 5901
2015 – present FENS member
2000 – present European Biological Rhythm Society
1998 – present Society for Neuroscience
1991 – present American Society for Research on Biological Rhythms (board member 2013–2015)

MAJOR COLLABORATIONS

Prof. R Foster, Oxford University, UK – Topic: Retinal processing
Prof. GD Block, and Prof C. Colwell UCLA, USA – Topic: SCN electrophysiology and aging
Prof. F Scheer, Harvard, Prof. EG Stanley, Boston University – Topic: Time series analysis
Prof. S Hattar, John Hopkins, US – Topic: Retinal processing
Dr. E Challet and Prof P Pevet, Strassbourg Univ, France – Topic: Circadian rhythms in *Arvicanthis*

PUBLIC ENGAGEMENT, RECOGNITION, AND MEDIA APPEARANCES (SELECTED)

- European Research Council: recognition of Coronavirus epidemic response efforts (2020)
- Elected National Ambassador of the Night (start 2020 – present)
- Article 'Excessive light has consequence for health' (Lucassen et al., 2016), covered in New York Times, New Scientist, Nature, and 30 others (2016)
- Academic Ambassador for the City of Leiden (2015 – present)
- 'Light round the clock speeds up aging in mice', *The Huffington Post* (July 14, 2016)
- 'Lack of exercise can disrupt the body's rhythms', DFA as mathematical measure for health (Gu et al, PNAS 2015), *The New York Times* (May 20, 2015)
- 'Wild mice use running wheels', highlighted and featured in *The New York Times*, *USA Today*, *Der Spiegel*, *NRC*, *Scientific American*, *The Guardian*, *The Huffington Post*, and 40 others (2014)
- Interview in *BBC Wildlife* magazine (August 2014)
- National television program "Labyrint: Shedding new light on the biological clock" (October 2012)

MAJOR CONTRIBUTIONS TO THE EARLY CAREERS OF EXCELLENT RESEARCHERS

Former postdocs

- Tom de Boer: Associate Professor, Department of Molecular and Cellular Biology, LUMC
- Roman Yasenkov: Medical Scientific Liaison Manager at Abbott Diagnostics, USA
- Karim Fifel: Research Fellow at University of Tsukuba, Japan
- Changgui Gu: Assistant Professor, University of Shanghai for Science and Technology, China
- Nicolette Ognjanovski: Scientist at Michigan University, USA

Former PhD students

- Jos Rohling: Senior Researcher (tenure-track), Department of Molecular and Cellular Biology, LUMC
- Martin de Vries: Researcher at pharmaceutical company
- Jeroen Schaap: Research position at Janssen Pharmaceutica, The Netherlands
- Mariska van Steensel: Associate Professor, Utrecht University Medical Center
- Floor van Oosterhout: Senior Researcher and Consultant for Sleep Disorders, AMC Amsterdam
- Sahar Farajnia: Postdoc at University of Amsterdam/Brain Institute
- Hester van Diepen: Senior Researcher in Ophthalmology, ProQR Therapeutics, Leiden

- Laura Kervezee: Assistant professor at LUMC, The Netherlands
- Claudia Coomans: Consultancy scientific writing of grant proposals
- Nienke Wevers: Scientist at biotechnology firm
- Henk Tjebbe van der Leest: Research position at Electro microscopic and neuroscience company, The Netherlands
- Maria Panagiotou: Associate professor, University of Delft, The Netherlands
- Ashna Ramkisoensing: position at Dutch Research Council (NWO), The Netherlands
- Eliane Lucassen: Internal medicine specialist, LUMC, The Netherlands
- Anneke Olde Engberink: Science advisor at Alzheimer Netherlands, the Netherlands
- Robin Schoonderwoerd: Senior data analyst at consultancy firm Valcon, The Netherlands
- Thijs Houben: Teacher biology at high school
- Renate Buijink: Project coordinator, researcher neurobiology, Utrecht, The Netherlands
- Rosanna Caputo: Postdoc at Biology department, Humanitas University, Italy
- Yumeng Wang: Postdoc at neuropsychiatry at UCLA, USA

RECENT PUBLICATIONS (SELECTED):

van Beurden AW, Tersteeg MMH, Michel S, van Veldhoven JPD, IJzerman AP, Rohling JHT, **Meijer JH**. Small-molecule CEM3 strengthens single-cell oscillators in the suprachiasmatic nucleus. **FASEB J.** 2024 Jan;38(1):e23348. doi: 10.1096/fj.202300597RR. PMID: 38084798.

Schoonderwoerd RA, de Torres Gutiérrez P, Blommers R, van Beurden AW, Coenen TCJJ, Klett NJ, Michel SH, **Meijer JH.** (2022) Inhibitory responses to retinohypothalamic tract stimulation in the circadian clock of the diurnal rodent Rhabdomys pumilio. ***The FASEB Journal***. 2022;00 :e22415. doi: 10.1096/fj.202200477R

Wang Y, van der Zanden SY, van Leerdam S, Tersteeg MMH, Kastelein A., Michel S., **Neefjes J**., **Meijer JH**, **Deboer T**. (2022) Induction of Fatigue by Specific Anthracycline Cancer Drugs through Disruption of the Circadian Pacemaker. ***Cancers*** *(Basel).* May 13;14(10):2421. doi: 10.3390/cancers14102421

Schoonderwoerd RA, de Rover M, Janse JAM, Hirschler L, Willemse CR, Scholten L, Klop I, van Berloo S, van Osch MJP, Swaab DF, **Meijer JH** (2022). The photobiology of the human circadian clock. ***PNAS***, Mar 29;119(13):e2118803119. doi: 10.1073/pnas.2118803119. See also reply from **Meijer JH**: ***PNAS*** 2022 Vol. 119 No. 49 e2215410119 doi: 10.1073/pnas.2215410119

Van Diepen HC, Schoonderwoerd RA, Ramkisoensing A, Janse JAM, Hattar S, **Meijer JH** (2021). Distinct contribution of cone photoreceptor subtypes to the mammalian biological clock. ***PNAS*** June 1, 2021 118 (22) e2024500118; https://doi.org/10.1073/pnas.2024500118