

Curriculum Vitae

Last name, First name: van Kerkhof, Linda

Gender: female

Nationality/ies: Dutch

Overall Scientific Expertise:

Overall experience from master and PhD education on the topic of neurobiology, including the circadian system and sleep. Currently, my main topic of expertise are the health effects of circadian disturbance. I focus on circadian disturbance caused by shift work and caused by light exposure during the evening and night. I currently lead a project for the Netherlands Food and Consumer Products Safety Authority in which we assess the health risks of devices that emit a high portion of blue light (smartphones, tablets etc. all using LEDs). In this project we first evaluated the scientific literature on exposure and health risks of these devices (published as RIVM report in 2014). Currently, we are also performing research to gain more insight into exposure, exposure patterns and health risks of use of these devices in the evening and night.

Professional Experience

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialisation [^]
2013-present	Scientific researcher	National Institute of Public Health and the Environment (RIVM), Bilthoven, the Netherlands	chronobiology, neurobiology, molecular biology, circadian rhythms, shift work, screen use, health effects
2008-2013	PhD	Rudolf Magnus Institute of Neuroscience, Utrecht, The Netherlands	Neurobiology, molecular biology, behavior, natural rewards
2008	Internship	GlaxoSmithKline, Psychiatry Discovery Group, Harlow, United Kingdom	Psychiatry, molecular biology,
2007	Internship	Rudolf Magnus Institute of Neuroscience Utrecht, The Netherlands,	Neurobiology, molecular biology, behavior, addiction

Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation*
2013	PhD	Utrecht Graduate School of Life Sciences – Rudolf Magnus Institute of Neuroscience, Utrecht, The Netherlands	Neuroscience, behavior, molecular biology
2008	Master	Utrecht University, The Netherlands	Neuroscience and Cognition
2006	Bachelor	Utrecht University, The Netherlands	Biomedical Sciences

Memberships in Scientific Advisory Bodies/Committees/Panels (if any):

2016- present: Dutch Health Council commission: “Health effects of shift work”

List of Publications:

10 most representative publications:

The relationship between shift work and metabolic risk factors: a systematic review of longitudinal studies.

Proper KI, van den Langenberg D, Rodenburg W, Vermeulen RV, van der Beek AH, van Steeg H, **van Kerkhof LW**

Am J Prev Med. **2016** May; 50(5):e147-57. doi: 10.1016/j.amepre.2015.11.013

Chronically alternating light cycles increases breast cancer risk and in mice.

Van Dycke KC, Rodenburg W, van Oostrom CT, **van Kerkhof LW**, Pennings JL, Roenneberg T, van Steeg H, van der Horst GT.

Curr Biol. **2015** Jul 20;25(14): 1932-7. doi: 10.1016/j.cub.2015.06.012

Diurnal Variation of Hormonal and Lipid Biomarkers in a Molecular Epidemiology-Like Setting.

van Kerkhof LW, Van Dycke KC, Jansen EH, Beekhof PK, van Oostrom CT, Ruskovska T, Velickova N, Kamcev N, Pennings JL, van Steeg H, Rodenburg W.

PLoS One. **2015** Aug 18;10(8):e0135652. doi: 10.1371/journal.pone.0135652. eCollection 2015.

Rodent models to study the metabolic effects of shiftwork in humans.

van Kerkhof LW, Opperhuizen AL, Proper KI, Rodenburg W, Kalsbeek A.

Front Pharmacol. **2015** Mar 24;6:50. doi: 10.3389/fphar.2015.00050. eCollection 2015. Review.

Biomarkers for circadian rhythm disruption independent of time of day.

Van Dycke KC, Pennings JL, van Oostrom CT, **van Kerkhof LW**, van Steeg H, van der Horst GT, Rodenburg W.

PLoS One. **2015** May 18;10(5):e0127075. doi: 10.1371/journal.pone.0127075. eCollection 2015.

Methylphenidate and atomoxetine inhibit social play behavior through prefrontal and subcortical limbic mechanisms in rats.

van Kerkhof LW, Achterberg EJ, Damsteegt R, Trezza V, Vanderschuren LJ.

J Neurosci. **2015** Jan 7;35(1):161-9. doi: 10.1523/JNEUROSCI.2945-14.2015.

Cellular activation in limbic brain systems during social play behaviour in rats.

van Kerkhof LW, Trezza V, Mulder T, Gao P, Voorn P, Vanderschuren LJ.

Brain Struct Funct. **2014** Jul;219(4):1181-211. doi: 10.1007/s00429-013-0558-y. 14.

Functional integrity of the habenula is necessary for social play behaviour in rats.

van Kerkhof LW, Damsteegt R, Trezza V, Voorn P, Vanderschuren LJ.

Eur J Neurosci. **2013** Nov;38(10):3465-75. doi: 10.1111/ejn.12353. Epub 2013 Sep 16.

Social play behavior in adolescent rats is mediated by functional activity in medial prefrontal cortex and striatum.

Van Kerkhof LW, Damsteegt R, Trezza V, Voorn P, Vanderschuren LJ.

Neuropsychopharmacology. **2013** Sep;38(10):1899-909. doi: 10.1038/npp.2013.83.

Inflexible and indifferent alcohol drinking in male mice.

Lesscher HM, **van Kerkhof LW**, Vanderschuren LJ.

Alcohol Clin Exp Res. **2010** Jul;34(7):1219-25. doi: 10.1111/j.1530-0277.2010.01199.x.