

2013

- 34 Åkerstedt T, Axelsson J, Lekander M, Orsini N, & Kecklund G. The daily variation in sleepiness and its relation to the preceding sleep episode and bedtime health – a prospective study across 42 days, *Journal of Sleep Research*. 2013 Jun;22(3):258-65. DOI: [10.1111/jsr.12014](https://doi.org/10.1111/jsr.12014) [PMID: 23205895]
- 35 Jernelöv, S, Lekander, M, Almqvist C, Axelsson J, & Larsson H, Development of atopic disease and disturbed sleep in childhood and adolescence – a longitudinal population-based study, *Clinical & experimental Allergy*, 2013 May;43(5):552-9. DOI: [10.1111/cea.12087](https://doi.org/10.1111/cea.12087) [PMID: 23600546]
- 36 Lekander M, Andreasson AN, Kecklund G, Ekman R, Ingre M, Åkerstedt T, Axelsson J. Subjective health perception in healthy young men changes in response to experimentally restricted sleep and subsequent recovery sleep. *Brain Behavior and Immunity*. 2013 Jun 29. DOI: [10.1016/j.bbi.2013.06.005](https://doi.org/10.1016/j.bbi.2013.06.005) [PMID: 23820239]
- 37 Sundelin T, Lekander M, Kecklund G, van Someren E, Olsson A & Axelsson J. Cues of fatigue: Effects of sleep deprivation on facial appearance, *Sleep*. 2013 Sep 1;36(9):1355-60. DOI: [10.5665/sleep.2964](https://doi.org/10.5665/sleep.2964) [PMID: 23997369]
- 38 Axelsson J, Rehman J, Åkerstedt T, Ekman R, Miller GE, Olgart-Hoglund C & Lekander M. Effects of sustained sleep restriction on mitogen-stimulated cytokines, chemokines and T helper 1/ T helper 2 balance in humans *PLoS One*. 2013 Dec 11;8(12):e82291. DOI: [10.1371/journal.pone.0082291](https://doi.org/10.1371/journal.pone.0082291). [PMID: 24349251]

2014

- 39 Åkerstedt T, Axelsson J, Lekander M, Orsini N, Kecklund G. Do sleep, stress, and illness explain daily variations in fatigue? A prospective study, *J Psychosom Res*. 2014 Apr;76(4):280-5. DOI: [10.1016/j.jpsychores.2014.01.005](https://doi.org/10.1016/j.jpsychores.2014.01.005) [PMID: 24630177]
- 40 Åkerstedt T, Lekander M, Peterén H, Kecklund G, Axelsson J. Sleep polysomnography and reported stress across 6 weeks, *Ind Health*. 2014 52(1):36-42. DOI: [10.2486/indhealth.2013-0169](https://doi.org/10.2486/indhealth.2013-0169) [PMID: 24292880]
- 41 Olsson M, Lundstrom J, Gordon A, Karshikoff B, Hosseini N, Sorjonen K, Olgart C, Soop A, Axelsson J, Lekander M. The scent of disease: Human body odor contains an early chemosensory cue of sickness, *Psychological Science*, 2014 Jan 22, 25(3): 817-23 DOI: [10.1177/095679761351562705816481](https://doi.org/10.1177/095679761351562705816481) [PMID 24452606] – top 5% cited publications
- 42 Åkerstedt T, Anund A, Axelsson J, Kecklund G. Subjective sleepiness: a sensitive indicator of insufficient sleep and impaired waking function, *J. of Sleep Research*, 2014 Jun;23(3):240-52. DOI: [10.1111/jsr.12158](https://doi.org/10.1111/jsr.12158) [PMID 24750198]
- Møller, S.V., Axelsson, J., Bjorvatn, B., Hansen, J., Hansen, Å.M., Harris, A., Hjarsbech, P.U., Härmä, M., Ingre, M., Jensen, M.A., Kecklund, G., Kolstad, H.A., Lie, J.A.S., Lowden, A., Matre, D., Nabe-Nielsen, K., Pallesen, S., Puttonen, S., Rugulies, R., Tucker, P., Vistisen, H.T., Garde, A.H. (2014) Co-ordination of research on working hours and health in the Nordic countries, TemaNord 2014:530 Nordiska ministerrådet - Report

2015

- 43 Karshikoff B, Lekander M, Soop A, Lindstedt F, Ingvar M, Kosek E, Hoglund CO, Axelsson J. Modality and sex differences in pain sensitivity during human endotoxemia, *Brain Behavior and Immunity* 2015 May;46:35-43. DOI: [10.1016/j.bbi.2014.11.014](https://doi.org/10.1016/j.bbi.2014.11.014). [PMID 25486090]

- 44 Lasselin J, Rehman J, Åkerstedt T, Lekander M, Axelsson J. Effect of long-term sleep restriction and subsequent recovery sleep on the diurnal rhythms of white blood cell subpopulations, ***Brain Behavior and Immunity*** 2015 47:93-99 DOI: [10.1016/j.bbi.2014.10.004](https://doi.org/10.1016/j.bbi.2014.10.004) [PMID 25451611]
- 45 Sundelin T, Karshikoff B, Axelsson E, Olgart Hoglund C, Lekander M & Axelsson J. Sick walk: Perception of health status from body movement, ***Brain Behavior and Immunity*** 2015 Aug;48:53-6. DOI: [10.1080/15402002.2014.974181](https://doi.org/10.1080/15402002.2014.974181) [PMID: 25801061]
- 46 Westerlund A, Trolle Lagerros Y, Kecklund G, Axelsson J, Åkerstedt T Relationships between questionnaire ratings of sleep quality and polysomnography in healthy adults, ***Beh Sleep Med.***, 2016 14(2):185-99. Epub 2014 Nov 10. DOI: [10.1080/15402002.2014.974181](https://doi.org/10.1080/15402002.2014.974181) [PMID 25384098]
- 47 Lekander M, Karshikoff B, Johansson E, Soop A, Fransson P, Lundström JN, Andreasson A, Ingvar M, Petrovic P, Axelsson J, & Nilsson G. Intrinsic functional connectivity of insular cortex and symptoms of sickness during acute experimental inflammation, ***Brain Behavior and Immunity***. Epub 2015 Dec 28 pii: S0889-1591(15)30080-5. DOI: [10.1016/j.bbi.2015.12.018](https://doi.org/10.1016/j.bbi.2015.12.018) [PMID: 26732827]
- Axelsson J & Vyazovskiy V. Banking sleep and biological sleep need: Commentary on Arnal et al. Benefits of Sleep Extension on Sustained Attention and Sleep Pressure Before and During Total Sleep Deprivation and Recovery (SP-00063-15). ***Sleep***, 2015 Nov 6. pii: sp-00603-15. – *Editorial*

2016

- 48 Lasselin J, Elsenbruch S, Lekander M, Axelsson J, Karshikoff B, Grigoleit JS, Engler H, Schedlowski M, Benson S Mood disturbance during experimental endotoxemia: Predictors of state anxiety as a psychological component of sickness behavior, ***Brain Behavior and Immunity*** Epub 2016 Jan 11, pii: S0889-1591(16)30003-4. DOI: [10.1016/j.bbi.2016.01.003](https://doi.org/10.1016/j.bbi.2016.01.003) [PMID: 26790758]
- 49 Talamas SM, Mavor KI, Axelsson J, Sundelin T & Perrett DI. Eyelid-Openness and Mouth Curvature Influence Perceived Intelligence Beyond Attractiveness ***Journal of Experimental Psychology: General*** 2016 May;145(5):603-20. DOI: [10.1037/xge0000152](https://doi.org/10.1037/xge0000152) [PMID: 26913618]
- 50 Karshikoff K, Jenssen KB, Ingvar M, Kosek E, Kalpouzos G, Soop A, Olgart Höglund C, M. Lekander M, Axelsson J. Why sickness hurts: Systemic inflammation decreases pain inhibition and increases interoceptive processing, ***Brain Behavior and Immunity***. DOI: [10.1016/j.bbi.2016.04.001](https://doi.org/10.1016/j.bbi.2016.04.001) Online 2016 Apr 4 [PMID 27058164]
- 51 Andreasson A, Wicksell RK, Lodin K, Karshikoff B, Axelsson J & Lekander M. A Global Measure of Sickness Behaviour: Development and Validation of the Sickness Questionnaire (SicknessQ), ***Journal of Health Psychology*** 2016 Jul 24. pii: 1359105316659917 [PMID: 27458105]
- 52 Hedman E, Lekander M, Karshikoff B, Ljótsson B, Axelsson E. & Axelsson J. Health anxiety in a disease-avoidance framework: investigation of anxiety, disgust and disease perception in response to sickness cues, ***Journal of Abnormal Psychology*** 2016 Oct;125(7):868-878, doi: [10.1037/abn0000195](https://doi.org/10.1037/abn0000195) [PMID: 27732023]
- 53 Lasselin J, Kemani MK, Kanstrup M, Olsson GL, Axelsson J, Andreasson A, Lekander M, & Wicksell RK. Low-grade inflammation may moderate the effect of behavioral treatment for chronic pain in adults", ***Journal of Behavioral Medicine*** 2016 Oct;39(5):916-24. doi: [10.1007/s10865-016-9769-z](https://doi.org/10.1007/s10865-016-9769-z). [PMID: 27469518]
- 54 Lasselin J, Treadway M, Lacourt T, Soop A, Olsson M, Karshikoff B, Paues-Göranson S, Axelsson J, Dantzer R, & Lekander M. Lipopolysaccharide alters motivated behavior in a monetary reward task: a randomized trial, ***Neuropsychopharmacology*** 2016 Sep 13. doi: [10.1038/npp.2016.191](https://doi.org/10.1038/npp.2016.191) [PMID: 27620550]
- 55 Kecklund G & Axelsson. J. Health consequences of shift work and insufficient sleep, ***BMJ*** 2016 Nov 1;355:i5210. doi: [10.1136/bmj.i5210](https://doi.org/10.1136/bmj.i5210) [PMID: 27803010]

- 56 Nilsson G, Lekander M, Åkerstedt T, Axelsson J & Ingre M. Diurnal variation of circulating interleukin-6: a meta analysis, ***Plos One*** 2016 Nov 10;11(11):e0165799. doi: 10.1371/journal.pone.0165799 [PMID: 27832117]
- 57 Henderson AJ, Lasselin J, Lekander M, Olsson MJ, Powis SJ, Axelsson J & Perrett DI, Skin colour changes during experimentally-induced sickness, ***Brain Behavior and Immunity***. 2016 Nov 12. pii: S0889-1591(16)30498-6. doi: 10.1016/j.bbi.2016.11.008. [Epub ahead of print] [PMID: 27847284]
- Kecklund G, Sallinen M & Axelsson J. Optimizing Shift Scheduling, in Eds. Kryger M, Roth T & Dement W. Principles and Practice of Sleep Medicine (6th ed.) Elsevier, 2016, ISBN: 9780323242882 – *Book chapter*
- Kecklund G & Axelsson J. Regelbunden återhämtning kan minska risker vid skiftarbete, ***Läkartidningen***, 2016-12-01, 2016;113:EDRE - *Popular science article*

2017

- 58 Stothard ER, McHill AW, Depner CM, Birks BR, Moehlman TM, Ritchie HK, Guzzetti JR, Chinoy ED, LeBourgeois MK, Axelsson J & Wright KP. Circadian Entrainment to the Natural Light-Dark Cycle Across Seasons and the Weekend, ***Current Biology*** 2017; 27; 1-6. doi: 10.1016/j.cub.2016.12.041 [PMID: 28162893]
- 59 Ritchie HK, Burke TM, Dear BD, McHill AW, Axelsson J, Wright KP, Impact of sleep inertia on visual selective attention for rare targets and the influence of chronotype, ***Journal of Sleep Research*** 2017 Apr 4. doi:10.1111/jsr.12525. [PMID: 28378363]
- 60 Petersen H, Kecklund G, Axelsson J, d'Onofrio P & Åkerstedt T, Thank god it's Friday – sleep improved, ***Journal of Sleep Research*** 2017 Apr 20. doi:10.1111/jsr.12538 [PMID: 28425191]
- 61 Sundelin T, Lekander M, Sorjonen K & Axelsson J. Negative Effects of Restricted Sleep on Facial Appearance and Social Appeal, ***Royal Society Open Science*** 2017 May 17;4(5):160918. doi:10.1098/rsos.160918
- 62 Regenbogen C, Axelsson J, Lasselin J, Sundelin T, Peter M, Porada D, Lekander M, Lundstrom J, Olsson MJ. Behavioral and neural correlates to multisensory detection of sick humans, ***Proc Natl Acad Sci U S A***. 2017 May 22. pii: 201617357. doi: 10.1073/pnas.1617357114 [PMID: 28533402]
- 63 Holding BC, Laukka P, Fischer H, Bänziger T, Axelsson J & Sundelin T. Multimodal emotion recognition is resilient to insufficient sleep: Results from cross-sectional and experimental studies (accepted) ***SLEEP*** 2017 Aug 27, zsx145, <https://doi.org/10.1093/sleep/zsx145>
- 64 Marraffa A, Lekander M, Solsjö P, Olsson MJ, Lasselin J, Axelsson J. Yawning as a thermoregulatory mechanism during fever: a study of yawning frequency and its predictors during experimentally-induced sickness, ***Physiology & Behavior*** (accepted). doi:10.1016/j.physbeh.2017.09.018
- 65 Lasselin J, Lekander M, Paus-Göransson S, Olsson MJ & Axelsson J. Communication of Health in Experimentally Sick Men and Women: a Pilot Study, ***Psychoneuroendocrinology*** 2017 Epub Nov 1 V 87, p188–195 doi: 10.1016/j.psyneuen.2017.10.024 [PMID: 29102898]
- Axelsson J, Bjorvatn B, Kecklund G. Sömn och fysisk aktivitet. In: Fysisk aktivitet i sjukdomsprevention och sjukdomsbehandling, FYSS 2017. Yrkesföreningar för fysisk aktivitet och Läkartidningen. 2017 Kapitel 1.11, 171-183, ISBN 978-91-981711-9. – *Book chapter*
- Axelsson J & Sundelin T. What a leader should know about sleep, ***The European Business Review*** 2017, May/June issue, <http://www.europeanbusinessreview.com/what-a-leader-should-know-about-sleep/> - *Popular science article*

2018

- 66 Axelsson J, Sundelin T, Olsson MJ, Axelsson C, Sundelin T, Lasselin J & Lekander M. Identification of acutely sick people and facial cues of sickness **Proc. R. Soc. B** 2018;285: 20172430, doi: 10.1098/rspb.2017.2430 [PMID: 29298938] [PMID: 29298938]
- 67 Lasselin J, Lekander M, Axelsson J & Karshikoff B. Sex differences in how inflammation affects behaviour, **Frontiers in Neuroendocrinology** Available online 20 June 2018 2018 Jul;50:91-106. doi: 10.1016/j.yfrne.2018.06.005 [PMID: 29935190]
- 68 Gordon AR, Kimbal, BA, Sorjonen K, Karshikoff B, Axelsson J, Lekander M., Lundström JN, and Olsson MJ. Sickness-detection via volatile cues in human urine. **Chemical Senses** (in press)
- 69 Gerhardson et al, Effect of sleep deprivation on emotional working memory, **Journal of Sleep Research** 2018 Aug 8:e12744. doi: 10.1111/jsr.12744 [PMID:30091275]
- 70 Lasselin J, Petrovic P, Olsson MJ, Paues-Goranson S, Lekander M, Jensen KB & Axelsson J. Sickness behavior is not all about the immune response: possible roles of expectations and prediction errors in the worry of being sick, **Brain Behavior and Immunity** Available online 17 September, 2018 doi:10.1016/j.bbi.2018.09.008
- Axelsson J, Kecklund G. Sundelin T. & Sallinen M. Sleep and Shift work in Eds Cappuccio FP. Miller MA & Lockley SW. Sleep, health, and society. Oxford University Press. (in press) – *Book chapter*
- Axelsson J, Lasselin J & Lekander M. Man flu is related to communication rather than symptoms and suffering **BMJ**, 2018;360:k450 Feb 7 doi: 10.1136/bmj.k450, [PMID: 29437650] – *Letter*
- Axelsson J, Sundelin T, Lasselin J & Lekander M. How can we improve identification of contagious individuals? Factors influencing sickness detection, **Proceedings Royal Society B** (accepted) – *Reply to comment*