

Starlings sleep less during summer and full-moon nights

March 19 2020



Flock of starlings by night. Credit: Sjoerd van Hasselt/Pixabay

Researchers of the University of Groningen and the Max Planck Institute have found that starlings sleep five hours less per night during the summer. Compared to winter, the birds take more mid-day naps and live under higher sleep pressure. During full-moon nights, starlings sleep around two hours less than usual. The findings of the study were published in the journal *Current Biology* on 19 March.

Sleep regulation in starlings is highly flexible and sensitive to [environmental factors](#), according to a new pioneering study conducted by researchers of the UG's Groningen Institute for Evolutionary Life Sciences (GELIFES), the Avian Sleep Group at the Max Planck Institute for Ornithology (Germany) and the Institute of Neuroinformatics, University of Zurich (Switzerland).

Data loggers

In this study, the researchers used miniature electroencephalogram (EEG) data loggers in starlings under semi-natural conditions, meaning the starlings that were housed together in a large outdoor enclosure with natural temperature and light. The results show that the birds displayed strong phenotypical variation in sleep-wake regulation.

Sleep is essential for our wellbeing and performance, yet our understanding of sleep is limited and often based on the studies of a few mammalian model species, conducted under strictly controlled laboratory conditions. Data on sleep in different species under more [natural conditions](#) may yield new insights into the regulation and functions of sleep.

More information: Sjoerd J. van Hasselt et al, Sleep Time in the European Starling Is Strongly Affected by Night Length and Moon Phase, *Current Biology* (2020). [DOI: 10.1016/j.cub.2020.02.052](https://doi.org/10.1016/j.cub.2020.02.052)

Provided by University of Groningen

Citation: Starlings sleep less during summer and full-moon nights (2020, March 19) retrieved 26 April 2024 from <https://phys.org/news/2020-03-starlings-summer-full-moon-nights.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.