

A novel fly species discovered in Finland

September 15 2021



Scenopinus jerei, a window fly new to science. Credit: University of Eastern Finland

Researchers from the University of Eastern Finland and the Zoological Museum of the University of Turku have published in the journal *ZooKeys* an official description for *Scenopinus jerei*, a new fly species from Finland. This 4-5 mm sized, slender blackish fly belongs to the fairly primitive and species-poor family of window flies (Scenopinidae). The best-known representative of the family is the cosmopolitan window fly (*Scenopinus fenestralis*), commonly found indoors in man-made dwellings. Besides the common window fly, another species, *Scenopinus niger*, was also previously known from Finland.

Only about 420 [species](#) of window flies are known, most of them from the arid regions of the world. Similarly, the Nordic species are associated with dry habitats, such as animal nests, where their larvae prey on other insects. The common window fly can be considered beneficial as their larvae predate on indoor pests. The newly described species lives in the nests of cavity nesting birds in boreal forest habitats and is widespread but rare in Finland. The species is so far only known from Finland, but it is expected to be found in suitable habitats also from the adjacent countries.

The existence of a third *Scenopinus* species in Finland has been known for a couple of decades, although initially under a mistaken identity. The first person to suspect that the species was new to science was Mr. Jere Kahanpää, a diptera expert and digitization manager at the Finnish Museum of Natural History. Because window flies are a poorly known group, with few experts even globally, the identity of the species remained unsettled for years. However, thanks to a project to enhance knowledge of Finnish biodiversity (PUTTE2), supported by the Finnish Ministry of the Environment, the work has now been completed and the new species named, as well as formally approved by the scientific community. The authors of the work, Jaakko Pohjoismäki and Antti Haarto, have named the species *Scenopinus jerei* to acknowledge the central role of Mr. Jere Kahanpää in its discovery. Besides the species

description, the published article also contains identification keys for determining all European [window](#) fly species.

The fact that a species previously unknown to science can be discovered from a relatively species-poor and well-studied Nordic country underscores the fact how poorly the local biodiversity remains to be known.

More information: Jaakko Pohjoismäki et al, *Scenopinus jerei*, a new species of window fly (Diptera, Scenopinidae) from Finland, *ZooKeys* (2021). [DOI: 10.3897/zookeys.1059.70085](https://doi.org/10.3897/zookeys.1059.70085)

Provided by University of Eastern Finland

Citation: A novel fly species discovered in Finland (2021, September 15) retrieved 29 May 2023 from <https://phys.org/news/2021-09-species-finland.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.