

Outlineoffungi.org - Note 1481 *Ducellieriales*

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Ducellieriales Buaya & Thines

Ducellieriales was introduced by Buaya & Thines (2024) to accommodate *Ducellieriaceae* M.W. Dick as the type family according to morphological characteristics and phylogeny by nrSSU sequences. Members of this order act as obligate biotrophic parasites of *Pinus* and *Picea* pollen grains. They develop a holocarpic thallus, which forms a hollow sphere at discharge. At maturity, they create a multicellular hollow spherical aggregate. Individual cells possess a thin, colorless wall, ornamented with warts and spines directed outward. Each cell produces a single zoospore, which is biflagellate and heterokont. The type genus and type species are *Ducellieria* Teiling and *Ducellieria chodatii* (F. Ducell.) Teiling, respectively. The taxonomic position of family *Ducellieriales* is classified under *Oomycetes* and *Oomycota* (Buaya & Thines 2024).

Reference

Buaya AT, Thines M. 2024 – *Ducellieriales* ord. nov. and evidence for a novel clade of endobiotic pollen-infecting. *Fungal Systematics and Evolution* 12(1), 247–54.

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