

Outlineoffungi.org - Note 748 *Neophellinus*

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Neophellinus Y.C. Dai, F. Wu, L.W. Zhou, Vlasák & B.K. Cui.

Neophellinus is a poroid, monotypic genus, which is typified by *N. uncisetus* (Robledo, Urcelay & Rajchenb.) Y.C. Dai, F. Wu, L.W. Zhou, Vlasák & B.K. Cui, distributed in Neotropics regions ([Wu et al. 2022](#)). Phylogenetic analysis based on ITS and nLSU sequences indicated its phylogenetic position in *Hymenochaetaceae* (*Hymenochaetales*, *Agaricomycetes*, *Basidiomycota*). Two samples of the only species of *Neophellinus* show a distinct lineage in the multi-gene phylogenetic tree ([Wu et al. 2022](#)). *Neophellinus* is phylogenetically closely related to *Fomitiporia* ([Wu et al. 2022](#)). *Neophellinus* is characterized by perennial basidiocarps, dimitic hyphal system, uncinatae or hooked hymenial setae and subglobose and thick-walled basidiospores ([Wu et al. 2022](#)). No asexual morph is known. *Phellinus* is morphologically similar to *Neophellinus*, but they are phylogenetically distant ([Wu et al. 2022](#)).

Reference

Wu, F., Zhou, L. W., Vlasák, J., & Dai, Y. C. 2022 – Global diversity and systematics of *Hymenochaetaceae* with poroid hymenophore. *Fungal Diversity* 113(1), 1–192. <https://doi.org/10.1007/s13225-021-00496-4>

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