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[Luteochaete](#) C.C. Chen & Sheng H. Wu

Based on molecular and morphological data, [Chen et al. \(2021\)](#) recognized [Luteochaete](#) as a new genus within *Meruliaceae* and presented a subsequent new combination, namely [Luteochaete subglobosa](#) (Oblg. Syn. *Phanerochaete subglobosa*, conspecific with *Phlebia wuliangshanensis*). The type specimen was isolated from the bark, possibly as a saprobe, of living *Melaleuca leucadendron* in Taiwan and the species is also recorded in Brazil. It is characterized by clamps either totally absent or scattered, effuse basidiocarps, a monotimic hyphal system, the presence of lamprocystidia, and a smooth hymenophore. The type [L. subglobosa](#) is morphologically close to *Phaeophlebiopsis* and *Phlebiopsis* (*Phanerochaetaceae*), but differs in having greenish-yellow basidiocarps in KOH. This can easily explain the erroneous identification of 2 sequenced specimens initially labelled *Phlebiopsis* cf. *ravenelii* and that were found to be sisters to [L. subglobosa](#) in the ML analysis of [Chen et al. \(2021\)](#) based on a combination of ITS and 28S markers. These newly labelled [Luteochaete](#) specimens have not been described yet and might represent a new clade occurring in North America. Further investigations towards the morphological and molecular description of [Luteochaete](#) species representatives should allow new insights into the diversity, phylogeography, as well as host interactions, and specificity among *Meruliaceae*.

Reference

Chen CC, Chen CY, Wu SH (2021). Species diversity, taxonomy and multi-gene phylogeny of phlebioid clade (*Phanerochaetaceae*, *Irpicaceae*, *Meruliaceae*) of Polyporales. *Fungal Diversity* 111 (1): 337-442, <https://doi.org/10.1007/s13225-021-00490-w>

Entry by

Jonathan Cazabonne, Groupe de Recherche en Écologie de la MRC Abitibi, Université du Québec en Abitibi-Témiscamingue, Amos, QC, Canada

(Edited by **Danny Haelewaters & Kevin D. Hyde**)

Published online 26 September 2022