

## Outlineoffungi.org - Note 491, [Stromatoneurospora](#)

[Stromatoneurospora](#) S.C. Jong & E.E. Davis

The genus [Stromatoneurospora](#) had until recently been included in [Xylariales](#) genera *incertae sedis*, since no molecular data had been reported and the conidial state was also not known ([Wendt et al. 2018](#)). However, recently, fresh material from Thailand was found and cultured. The cultures were subjected to morphological studies and included in a multi-locus genealogy. In addition, a chemotaxonomic study was carried out. The results clearly demonstrated the affinities of [Stromatoneurospora phoenix](#) to the coprophilous *Xylariaceae* like *Poronia*, *Podosordaria* and allies. Where this is known, species of these genera also produce lindquistia-like synnematal conidiophores in culture and on the natural substrates. [Stromatoneurospora](#) is therefore now included in the *Xylariaceae* ([Becker et al. 2020](#)) (M. Stadler).

### Reference

- Wendt L, Sir EB, Kuhnert E, Heitkämper S et al. 2018 – Resurrection and emendation of the *Hypoxylaceae*, recognised from a multi-gene genealogy of the *Xylariales*. *Mycological Progress* 17:115–154. [Doi: 10.1007/s11557-017-1311-3](#)
- Becker K, Wongkanoun S, Wessel AC, Bills GF et al. 2020 – Phylogenetic and chemotaxonomic studies confirm the affinities of *Stromatoneurospora phoenix* to the coprophilous *Xylariaceae*. *Journal of Fungi* 6, 144. [Doi 10.3390/jof6030144](#)