

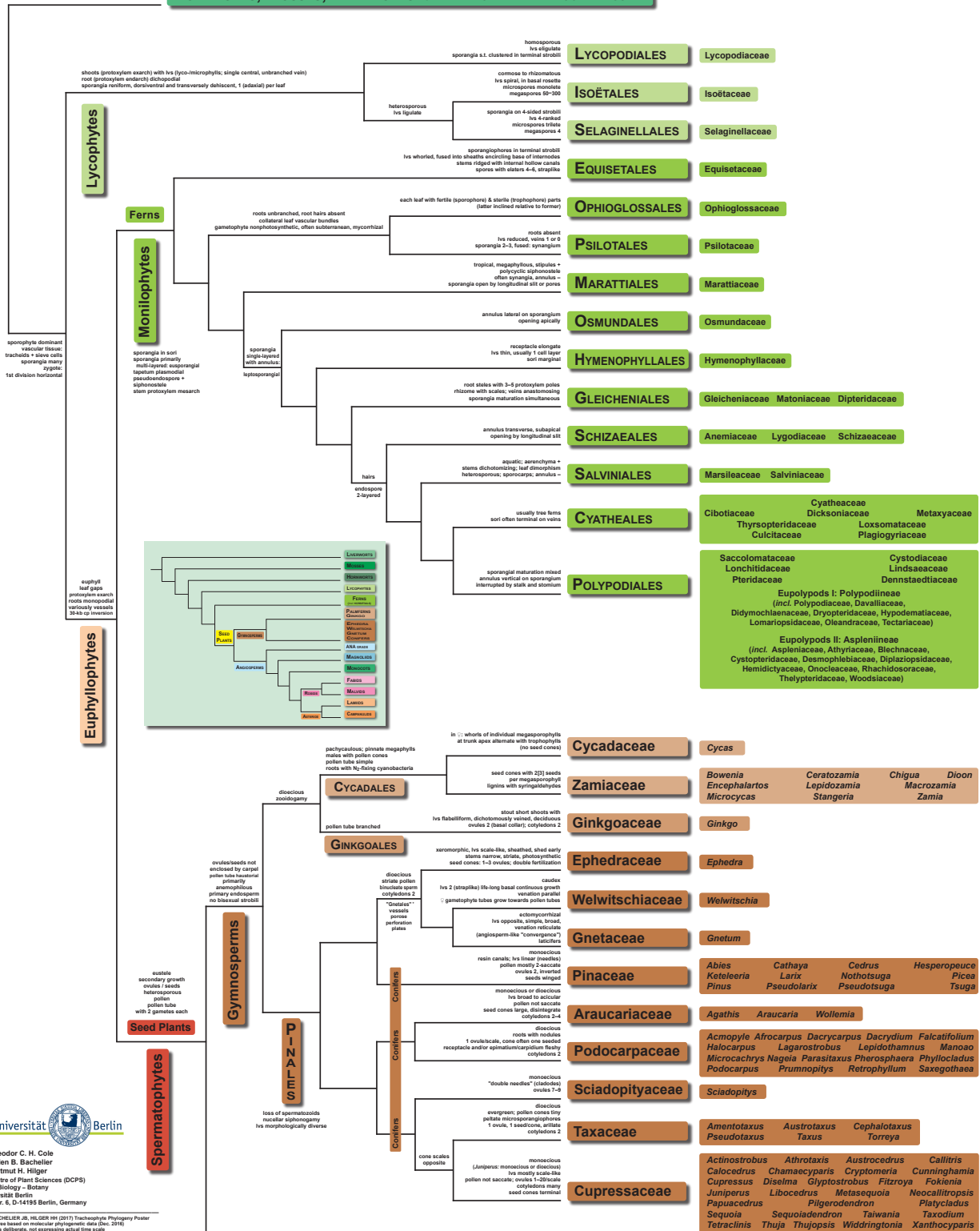
Tracheophyte phylogeny poster - Vascular plants: systematics and characteristics

The "Tracheophyte Phylogeny Poster – Vascular Plants: Systematics and Characteristics" is an educational tool presenting an overview of the evolutionary relationships among vascular plants as of 2016. The phylogenetic tree depicts orders and families (incl. genera in gymnosperms), listing the main apomorphies and plesiomorphies as well as diagnostic and nondiagnostic anatomical and morphological features. The intuitive color-coding facilitates memorization and teaching. Translations of the poster into various languages are being made available. The recommendations of the Pteridophyte Phylogeny Group (PPG) are followed here. This is one in a series of three educational posters on the phylogeny of land plants: Poster 1: "Angiosperms", Poster 2: "Tracheophytes: Lycophytes, Ferns, Gymnosperms", Poster 3: "Bryophytes: Liverworts, Mosses, Hornworts".

TRACHEOPHYTE PHYLOGENY

Vascular Plants – Systematics and Characteristics

HORNWORTS, MOSSES, LIVERWORTS SEE "BRYOPHYTE" PHYLOGENY POSTER



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COLE, TCH, BACHELER JB, HILGER HH (2017) Tracheophyte Phylogeny Poster
- Hypothesized tree based on molecular phylogenetic data (Dec. 2016)
- Branch lengths arbitrary, not expressing actual time scale
- If a character is marked as being a potential synapomorphy at a node for a clade, this does not mean that all members of that clade possess that character
- References: Colel et al. (2016); Spongberg M (2016); Soltis DG et al. (2016/2017); Christenhusz MJ et al. (2011/2014); Christenhusz E, Donnell SM (2016); Christenhusz MJ et al. (2016)
see also: Stevens PF (2016) APWeb - www.mobot.org/MOBOT/research/APWeb

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ANGIOSPERM PHYLOGENY POSTER
TRACHEOPHYTE PHYLOGENY POSTER
BRYOPHYTE PHYLOGENY POSTER

ANGIOSPERMS SEE ANGIOSPERM PHYLOGENY POSTER