

On the Cover: The structure is a trait that defines Asteraceae (the daisy family) taxonomically. In a capitulum numerous flowers and leaves are grouped together to mimic a solitary flower. It has been proposed that the success of Asteraceae as the largest flowering plant family is due to its capitulum. Despite its uniqueness and prevalence, patterning mechanisms involved in capitulum development remain elusive. Zoulias et al reported that auxin provides a developmental cue for capitulum patterning by regulating the downstream lateral organ genes in a morphogen-like manner. The cover shows a scanning electron microscopic image of a *Matricaria inodora* (scentless camomile) capitulum in which flowers are patterned in a Fibonacci spiral. Image credit: Nicholas Zoulias and Minsung Kim.

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[CC-BY] The Role of Auxin in the Pattern Formation of the Asteraceae Flower Head (Capitulum). Nicholas Zoulias, Sascha H. C. Duttke, Helena Garcês, Victoria Spencer, and Minsung Kim

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