

# Phylogeny & diversification rates

Workshop by Matthias Affenzeller & Flavia Nardi

This hands-on workshop explores diversification rates based on the real-world example of two plantaginacean sister taxa (*Globularia* and *Campylanthus*), which are most diverse in the Mediterranean region (*Globularia*) and the Arabian Region (*Campylanthus*). A special focus is placed on the question if the diversification rate differs between the two taxa. Tools used include BEAST, BAMM and phytools. In addition, potential follow-up analyses using RASP are presented. Participants need to bring their own laptop, software will be provided in advance.

The data used in the workshop is based on the following publication: Affenzeller, M., Kadereit, J.W. & Comes, H.P. (2018) Parallel bursts of recent and rapid radiation in the Mediterranean and Eritreo-Arabian biodiversity hotspots as revealed by *Globularia* and *Campylanthus* (Plantaginaceae). *Journal of Biogeography*, 45(3), 552–566. <https://doi.org/10.1111/jbi.13155>

Where and when:

November 25<sup>th</sup>, 2022, 13:00 s.t.

Karl-Franzens-University Graz  
Institute of Biology  
Seminar room  
Universitätsplatz 2  
8010 Graz

Course fee: €40; free for NOBISTs!  
[www.nobis-austria.at](http://www.nobis-austria.at)

**Number of participant limited!**  
(10 pers. max., first come, first served)!

Registration open until **October 31<sup>st</sup>**  
Register by email to [nicolegrunstra@gmail.com](mailto:nicolegrunstra@gmail.com)

