



EUAD³: EUropean Ant Distribution, Database and Diversity

Date 08 Oct. (Fri.)

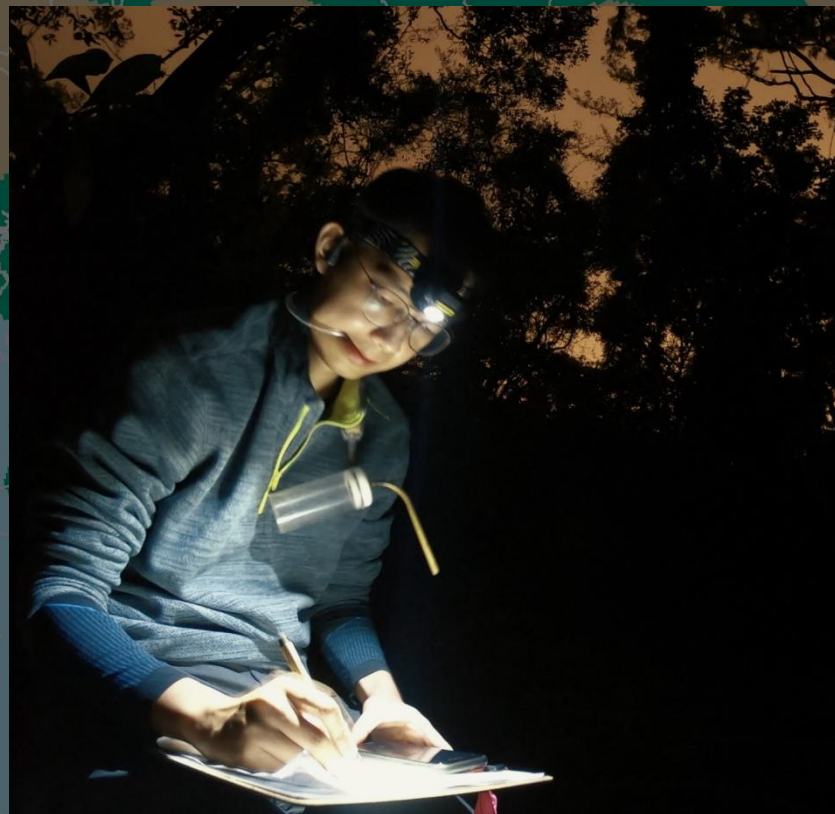
Time 16:00 (UTC+8)

Venue 3N01 & Zoom



You can also email us to require the Zoom link
(check SBS website → NEWS & EVENTS)

Some of the greatest and longest questioning in ecology are based on the distribution and evolution of species assemblages over time and space. Most insights in biogeography and macroecology, however, come from a limited set of taxa, i.e. vertebrates, while knowledge of the remained majority (e.g. insects) is restricted by the lack of distribution data (i.e. 'Wallacean Shortfall'). In this project, we developed a novel database for over 750 European ants including their most comprehensive and finest spatial scale distribution information, and integrated large-scale phylogeny to understand ecological and evolutionary processes shaping the biogeographical structure of the European ant fauna. By using ants as a model organism, our results demonstrate 1) how collaborative and integrative approaches could help improving the distribution knowledge for a diverse insect group, and 2) how current environments and historical factors influenced the distribution and evolution of insects.



About speaker:

Runxi Wang is a PhD candidate in Insect Biodiversity and Biogeography Lab and supervised by Dr Benoit Guénard. He has very broad interests in ecology and biogeography of both animals and plants. Through his PhD, he is trying to use ants as a model organism to understand the patterns and mechanisms of community-level diversity changes of insects across different spatiotemporal scales.

All are welcome!