



中央研究院生物多樣性研究中心

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Terrestrial Biodiversity and Ecosystems

Integrate Behaviour and Network Research to Understand Bio-interaction Mechanisms and Structures That Underpin Biodiversity



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Time : 2022. 03. 10 Thu. 15:00

Venue: Auditorium, 1st Floor

Interdisciplinary Research Building

跨領域科技研究大樓 1 樓演講廳

Host: Dr. Kuo-Fang Chung 鍾國芳副研究員

Online Seminar 視訊演講

Abstract

In nature, species do not exist in isolation. Through the behaviours they perform, they interact with surrounding biotic and abiotic components to form complex ecological networks that foster biodiversity and ecological functions. Therefore, to better understand and manage biodiversity, it is important to understand the underpinning behavioural mechanisms that drive these interactions and in turn shape the networks. In my presentation, I will highlight how behaviour can be integrated into the framework of network ecology to provide mechanistic understandings of community-level ecological patterns, with mutually reinforcing empirical and theoretical studies as examples. I will also expand the future scope of this integrated framework, in both terms of making scientific advances and handling real-world biodiversity challenges.

