



北京大学生态学系列讲座 *PKU Ecology Seminar*

报告人

Dr. Cheng Gao (高程)

报告题目

Assembly of Mycobiome: Contingency, Stochasticity, Determinism

报告摘要

揭示群落构建机制有助于预测全球变化背景下的群落动态、指导污染生态系统的修复和重建、操纵微生物组以提升动植物和人体健康。本研究以农田和森林为研究对象，利用高通量真菌ITS测序技术，研究了菌物组的构建机制。发现了确定性的丛枝菌根真菌的群落构建、偶然性的外生菌根真菌群落的构建、部分随机性的叶际真菌群落的构建。

日期: 2019年10月11日(星期五)

时间: 13:30 - 14:30

地点: 北京大学逸夫二楼3647



Dr. Cheng Gao is a Below Ground Ecologist with extensive research experience in mycorrhizal ecology. He got his PhD from *Chinese Academy of Sciences* in 2013. Afterwards, he worked as an assistant professor in CAS and then a postdoc researcher in the lab of Professor John W. Taylor in the *University of California at Berkeley*. His current work is focused on exploring ecological theory via root and rhizosphere ecology. He studies belowground ecology of forests dominated by ectomycorrhizal (EM) trees and agricultural systems dominated by arbuscular mycorrhiza, and fungal community ecology with host transcriptomics and rhizosphere metagenomics. He has ~30 publications on SCI journals, including first-author papers on *ISME Journal*, *New Phytologist*, and *Molecular Ecology*.

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