NUS National University of Singapore | Department of Biological Sciences
Faculty of Science

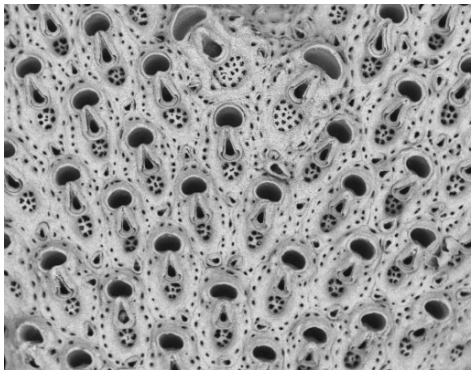
SEMINAR

Wed, 11 May 2022 | 3.30 pm | DBS Conference Room 1

Hosted by Dr Huang Danwei

Lee Hsiang Liow

Professor, Natural History Museum, University of Oslo



Understanding macroevolutionary processes by synthesizing fossil, molecular and phenotypic data

Professor Lee Hsiang Liow is an evolutionary paleobiologist based at the Natural History Museum in Oslo, University of Oslo in Norway but embarked on her academic journey at NUS as a bachelor student. She works on estimating diversification dynamics using data from the fossil record but has more recently also moved into the field of phenotypic evolution. To answer questions that might bridge micro- and macroevolutionary timescales, her group has been actively accumulating different data types for bryozoans.

In this talk, she will introduce bryozoans as a model system for understanding evolution (why choose an “obscure” group?) and illustrate several independent but converging lines of research from her lab. These include “causal inference” using fossil time series, estimating ecological interactions in the fossil record and the molecular phylogenetics and a fossil-calibrated phylogeny of bryozoans.