

*Posters will be on Display for the Entire Week.
Presenters are Requested to be Present at Their Poster the Last Half-Hour Break of the Evening.*

**POSTER SESSION: EVOLUTION:
COMPETITION, COOPERATIVITY, COMPLEXITY AND ECOLOGY
Price Center Ballroom East**

Motamedi Sh. Brazelton W. J.

[Exploration of Novel Subsurface Microbial Communities Within Seafloor Mantle Rocks](#) [#4106]

Extraction of DNA from serpentine rock samples that were collected during IODP Expedition 357 to the Atlantis Massif. These samples will be used for environmental 16S rRNA gene sequencing and microbial community composition analyses.

Kamimura A. Kaneko K.

[Transition to Diversification by Limitation and Competition for Multiple Resources in Catalytic Reaction Networks](#) [#4123]

A general mechanism of diversification is studied by resource competitions both at molecule and cell levels, and quantitative relationships are predicted between molecule diversity and resource abundances to achieve maximum growth speed.

Könny? B. Szilágyi A. Czárán T.

[In Silico Ribozyme Evolution in a Metabolically Coupled RNA Population](#) [#4035]

In silico ribozyme evolution in a metabolically coupled RNA population.