

Thursday, July 20, 2017

EARLY METABOLISMS AND DEVELOPMENT OF COMPARTMENTATION

2:00 p.m. Price Center Theatre

Chair: Sheref Mansy

2:00 p.m. Mast C. B. Möller F. Lanzmich S. Keil L. Braun D. \*

[Hosting Early Evolution in Heated Pores of Rock](#) [#4037]

Recent experiments with non-equilibrium micro-systems suggest that porous rock conditions drive early molecular evolution in many ways, including accumulation, polymerization, replication, length selection and gelation.

2:20 p.m. Moran J. \*

[Can Autotrophic Carbon-Fixing Pathways be Catalyzed Without Enzymes?](#) [#4055]

This talk summarizes our efforts to identify non-enzymatic catalysts for the reductive Krebs cycle and the AcCoA pathway in order to understand primordial metabolism. Productive and parasitic reactions are also discussed.