Tuesday, June 16, 2015

HOW CAN MODERN MICROBES INFORM OUR UNDERSTANDING OF ANCIENT EARTH ECOSYSTEMS? II
1:45 p.m.   Salon A3

Chairs:   Gregory Fournier
          David Gold

1:45 p.m.   Gold D. A. *  Summons R. E.
            The Evolution of Microbial Sterol Synthesis as it Pertains to the Sponge Biomarker Hypothesis [#7236]

2:00 p.m.   Welander P. V. *  Wei J. H. C.  Banta A. B.
            Discovery of Tetrahymanol Production in an Aerobic Methanotroph Reveals a Novel Protein Required for Bacterial Tetrahymanol Biosynthesis [#7154]

2:15 p.m.   Ricci J. N.  Michel A. J. *  Newman D. K.
            Phylogenetic Analysis of HpnP Reveals the Origin of 2-Methylhopanoid Production in Alphaproteobacteria [#7496]

2:30 p.m.   O’Reilly S. S. *  Klepac-Ceraj V.  Winter A. R.  Bosak T.  McDermott F.  Summons R. E.
            Molecular Evidence for a Microbial Role in Modern Ooid Formation and Implications for Their Occurrence and Meaning in the Geological Record [#7317]

2:45 p.m.   Fournier G. P. *  Wolfe J. M.
            Archaeal Horizontal Gene Transfers to Cyanobacteria Constrain Methanogenesis to a Paleoarchaean Origin [#7029]

3:00 p.m.   McCarver A. C. *  Lessner D. J.
            Insight into the Evolution of Cellular Redox Systems: Molecular Characterization of the Thioredoxin System in Methanogenic Archaea. [#7369]

3:15 p.m.   Jennings M. E. *  Lessner F. H.  Karr E. A.  Lessner D. J.
            Iron-Sulfur Clusters in RNA Polymerase: A New Role for an Ancient Prosthetic Group [#7372]

3:30 p.m.   Saunders J. K. *  Rocap G.
            Genomic Capacity for Arsenic Based Metabolisms in Global Oxygen Minimum Zones [#7557]

3:45 p.m.   BREAK