

**Tuesday, February 14, 2012**  
**EVIDENCE FROM EARTH**  
**8:30 a.m. Samuel H. Scripps Auditorium**

**Chairs:** **Doug Bartlett**  
**David Des Marais**

- 8:30 a.m. Farmer J. \* [INVITED]  
*The Use and Limits of Terrestrial Analogues*
- 9:00 a.m. Westall F. \* Cavalazzi B. Foucher F. Hubert A.  
[\*Ancient Biosignatures in Rocks and their Relevance in the Search for Extraterrestrial Life\*](#) [#6014]
- 9:20 a.m. Ehrenfreund P. \* Quinn R. Martins Z. Direito S. Foing B. Kotler M. Roeling W.  
[\*Recovery of Organics and Biomarkers from Mars Analogues and Meteorites: Extraction and Quantitative Analytical Challenges\*](#) [#6009]
- 9:40 a.m. Allwood A. C. \*  
[\*Seeking Evidence of Past Life on Mars: The Potential Evidence that May Be Contained in Returned Samples\*](#) [#6049]
- 10:00 a.m. Hipkin V. \*  
*Terrestrial Analogue Workshop*
- 10:20 a.m. DISCUSSION
- 10:40 a.m. *Coffee Break*
- 11:00 a.m. Corcoran A. M. \* Noguera D. R. Kuhlman K. R.  
[\*Investigation of the Spatial Relationships of Bacteria Associated with Rock Varnish\*](#) [#6029]
- 11:20 a.m. Price P. B. \* Bay R. C.  
[\*Evolution of Sub-Micron-Size Cyanobacteria in Polar Ice over 50 Million Generations\*](#) [#6020]
- 11:40 a.m. Boston P. J. \* Spilde M. N. Northup D. E. McMillan C.  
[\*Long-Term Persistence of Microorganisms in Geological Materials: Lazarus, Rip Van Winkle, and the Walking Dead\*](#) [#6038]
- 12:00 p.m. DISCUSSION
- 12:20 p.m. *Lunch*