

Monday, February 13, 2012
POSTER SESSION: LIFE DETECTION IN EXTRATERRESTRIAL SAMPLES
5:30 p.m. Samuel H. Scripps Auditorium Lobby

Allen C. C. Allton J. H.

[*We Did It Before — The Lunar Receiving Laboratory \(1969–1972\)*](#) [#6030]

Allton J. H.

[*Cleaning Genesis Mission Payload for Flight with Ultrapure Water and Assembly in ISO Class 4 Environment*](#) [#6046]

Bonaccorsi R. McKay C.-P. Zent A.-P.

[*The Effect of Carbonate on the Determination of \$\delta^{13}\text{C}\$ Biosignature in Low-Organic Low-Carbonate Soils from the Atacama: Relevance to the Search for Past Life on Mars*](#) [#6033]

Bradburne C. Neish C. Robinson C. Kinahan S. Proescher J. Maydan J. Marziali A. DiRuggiero J.

[*An Approach for Collection, Concentration, and Isolation of DNA from Terrestrial and Exo-Planetary Soils Using SCODaphoresis*](#) [#6043]

Budney C. J.

[*Sample Integrity for the Proposed Mars Sample Return Campaign*](#) [#6011]

Caporali S. C. Moggi-Cecchi V. M-C. Pagliai M. P. Pratesi G. P. Schettino V. S.

[*SERS Investigation of Nucleobases Deposited on Evaporite Minerals: A Test Case for Analogue Mars Regolith*](#) [#6002]

Cavalazzi B. Westall F. Cady S. L. Barbieri R. Foucher F. Beukes N. J.

[*Biosignatures in Vesicular Basalts*](#) [#6017]

Dreyer C. B. Spear J. R. Lynch K. L. Bauer A. J.

[*Sterilization of Spacecraft Components by Laser Ablation and Plasma Generation*](#) [#6023]

French J. E. Blake D. F.

[*Abiotic Corrosion Microtextures in Volcanic Glass: Reevaluation of a Putative Biosignature for Earth and Mars*](#) [#6007]

French K. L. Tosca N. J. Cao C. Summons R. E.

[*Diagenetic Origin of Moretane Anomalies in the Late Permian and Early Triassic*](#) [#6027]

Fries M.

[*"Life in CI Chondrites": Not Life, Not Extraterrestrial, Not Even Interesting*](#) [#6035]

Hubert A. Simionovici A. Lemelle L. Westall F. Cavalazzi B. Rouzaud J.-N. Ramboz C.

[*\$\mu\$ -XANES at the S-K Edge and Hard/Soft XRF Analyses of Ancient Biosignatures in Early Archaean Cherts from Barberton, South Africa*](#) [#6015]

Kral T. A. Altheide T. S.

[*Survival of Methanogens on Different Martian Regolith Analogs: Implications for Life Detection in Returned Martian Samples*](#) [#6003]

Schubert K. E. Gomez E. Curnutt J. Boston P. J. Spilde M. Qiao H.

[*Life Detection Using Biopatterning*](#) [#6048]

Schuerger A. C. Ming D. W. Golden D. C.

[*Abiotic Versus Biotic Pathogens: Replicative Growth in Host Tissues Key to Discriminating Between Biotoxic Injury and Active Pathogenesis*](#) [#6041]

Shirey T. B. Olson J. B.

[*Microbial Life in the Atacama Desert: Using a Multidisciplinary Approach to Examine the Habitability Potential and Microbial Diversity in a Mars Analog Environment*](#) [#6025]

Smith H. D. Sims R. C. McKay C. P.

[*Life Detection Using Native Fluorescence*](#) [#6047]

Stepanauskas R.

[*Single Cell Genomics: Reaching the Limits of Life Detection Sensitivity*](#) [#6005]

Summers D. P. Kagawa H. K.

[*Microbial Detection at Low Levels by \[¹²⁵I\] Radiolabeling*](#) [#6016]

Sun H. J.

[*Chiral Life Detection*](#) [#6037]

Uckert K. Chanover N. Glenar D. Voelz D. Xiao X. Tawalbeh R. Boston P. Brinckerhoff W. Getty S. Mahaffy P.

[*A Miniature AOTF-LDTOF Spectrometer Suite for the Detection of Biomarkers on Planetary Surfaces*](#) [#6042]

Westall F. Cavalazzi B. Andreatza C. Foucher F. Rouzaud J-N. Lemelle L. Simionovici A.

[*Metastable Minerals as Biosignatures*](#) [#6021]