

Monday, July 26, 2010
ORGANIC MOLECULES AND CHIRALITY IN
EXTRATERRESTRIAL MATERIALS AND THE COSMOS
1:30 p.m. Ballroom

Chairs: Zita Martins
Laurent Remusat

- 1:30 p.m. Orthous-Daunay F.-R. * Thissen R. Vuitton V. Beck P. Bonnet J.-Y.
Dutuit O. Schmitt B. Quirico E.
[Very High Resolution FT-MS of the Methanol Extracts from Six Carbonaceous Chondrites](#) [#5204]
- 1:45 p.m. Aponte J. C. * Tarozo R. Summons R. E. Huang Y.
[A Novel Approach for Identification and Quantification of Enantiomeric Excess in Chiral Carboxylic Acids from EET 87770 and Murchison](#) [#5238]
- 2:00 p.m. Blinova A. * Herd C. D. K. Matveev S.
[Chondrules in the Tagish Lake Meteorite: Lithological Variations](#) [#5274]
- 2:15 p.m. Herd C. D. K. * Slater G. F. Hilts R. W.
[Monocarboxylic Acids in the Tagish Lake Meteorite: Insights into the Role of Parent Body Processing](#) [#5297]
- 2:30 p.m. Glavin D. P. * Callahan M. P. Dworkin J. P. Elsila J. E. Herd C. D. K.
[Parent Body Influences on Amino Acids in the Tagish Lake Meteorite](#) [#5131]
- 2:45 p.m. Alexander C. M. O'D. * Cody G. D. Bowden R. Fogel M. L. Herd C. D. K.
[Parent Body Modification of the Structure, and Elemental and Isotopic Compositions of IOM in Tagish Lake](#) [#5367]
- 3:00 p.m. De Gregorio B. T. * Stroud R. M. Nittler L. R. Cody G. D. Alexander C. M. O'D. Herd C. D. K.
[Isotopic and Chemical Variations on the Nanoscale of Distinct Lithologies from the Tagish Lake Meteorite](#) [#5398]
- 3:15 p.m. Le Guillou C. * Brearley A. J.
[Distribution of Organic Matter at the Nanoscale in the Matrix of MET 00426 \(CR 3.0\) and Its Relationship with Oxysulfides](#) [#5334]
- 3:30 p.m. Hashiguchi M. * Kobayashi S. Yurimoto H.
[In-Situ Observation of D-rich Carbonaceous Matters Embedded in NWA 801 CR2 Chondrite](#) [#5181]
- 3:45 p.m. Kebukawa Y. * Cody G. D. Alexander C. M. O'D.
[A New Mechanism for the Formation of Chondritic Insoluble Organic Matter from Interstellar Formaldehyde](#) [#5262]
- 4:00 p.m. Matrajt G. * Messenger S. Bradley J. Aguiar J. Ito M. Stephan T. Liu N.
Joswiak D. Brownlee D.
[Coordinated TEM, NanoSIMS, and TOF-SIMS Analyses of Carbonaceous Phases in IDPs](#) [#5030]
- 4:15 p.m. Ishii H. A. * Bradley J. P. Bonal L. Krot A. N. Nagashima K. Huss G. R.
[Nitrogen Carrier Identified in ¹⁵N Extreme Hotspots in the Isheyevo \(CH/CB\) Meteorite](#) [#5406]

- 4:30 p.m. Remusat L. * Rouzaud J.-N. Le Guillou C. Eiler J. M.
[*Graphite and Organic Matter in Abee Enstatite Chondrite*](#) [#5126]
- 4:45 p.m. Gibson E. K. * McKay D. S. Clemett S. J. Thomas-Keprta K. L. Pillinger C. T.
Verchovsky A. B. Spencer L.
[*Nature of Carbon in Martian Meteorites*](#) [#5009]