

**Monday, July 28, 2008**  
**ORGANIC MATTER AND ALTERATION IN CHONDRITES**  
**14:00 Small Hall**

- Chairs:** **K. Tomeoka**  
**Z. Martins**
- 14:00 Oba Y. \* Naraoka H.  
[\*Incorporation of Hydrous Oxygen into Insoluble Organic Matter \(IOM\) of Murchison\*](#) [#5143]
- 14:15 Yabuta H. \* Cody G. D. Alexander C. M. O'D. Kilcoyne A. L. D.  
[\*Aromatic Macromolecular Variations of Insoluble Organic Matter from Metamorphosed CM2 Observed in Soft X-Ray Absorption Energy Shifts\*](#) [#5220]
- 14:30 Martins Z. \* Alexander C. M. O'D. Orzechowska G. E. Elsilá J. E. Glavin D. P. Dworkin J. P. Sephton M. A. Ehrenfreund P.  
[\*Amino Acid Composition of Primitive CR2 Chondrites\*](#) [#5195]
- 14:45 Suzuki A. \* Yamamoto Y. Nakashima S. Nakamura T.  
[\*Organic and Mineral Transformations During Experimental Aqueous Alteration of Carbonaceous Chondrite Ningqiang\*](#) [#5035]
- 15:00 Yamamoto Y. \* Nakamura T. Noguchi T. Nagao K.  
[\*Mineralogical and Noble Gas Compositional Changes in the Ningqiang Carbonaceous Chondrite During Experimental Aqueous Alteration with Water Vapor\*](#) [#5162]
- 15:15 Sugita M. \* Tomeoka K.  
[\*Sodium-Metasomatism in CAIs and Matrix in the Ningqiang Carbonaceous Chondrite\*](#) [#5029]
- 15:30 Jogo K. \* Nakamura T. Messenger S. R. Ito M. Miyamoto T.  
[\*Mn-Cr Systematics of Secondary Fayalite in the Y-86009 CV3 Carbonaceous Chondrite\*](#) [#5138]
- 15:45 Tomeoka K. \* Ohnishi I.  
[\*Indicators of Multiple Parent-Body Processes: Chondrules and Fine-grained Rims in the Mokoia CV3 Chondrite\*](#) [#5039]
- 16:00 Takayama A. \* Tomeoka K.  
[\*Fine-grained Chondrule Rims in the Tagish Lake Carbonaceous Chondrite: Evidence for Parent-body Processes\*](#) [#5043]
- 16:15 Choi B.-G. \* Itoh S. Yurimoto H. Rubin A. E. Wasson J. T. Grossman J. N.  
[\*Oxygen-Isotopic Composition of Magnetite in the DOM 03238 CO3.1 Chondrite\*](#) [#5272]
- 16:30 Nakato A. \* Nakamura T. Kitajima F. Noguchi T.  
[\*Evaluation of Dehydration Mechanism During Heating of Hydrous Asteroids Based on Experimentally Heated CM Chondrites\*](#) [#5010]
- 16:45 Zolotov M. Yu. \* Mironenko M. V.  
[\*Aqueous Alteration of CM2 Chondrites Evaluated with Kinetic Models\*](#) [#5261]
- 17:00 Howard K. T. \* Benedix G. K. Bland P. A. Cressey G.  
[\*Modal Mineralogy of Mighei, Nogoya and Cold Bokkeveld CM Chondrites by XRD\*](#) [#5160]
- 17:15 Morlok A. \* Libourel G.  
[\*Alteration of Metal in CR2 Chondrites: An Analogue for Long Term Corrosion Processes\*](#) [#5098]