Thursday, March 24, 2016 **[R610]**
POSTER SESSION II: PRESOLAR GRAINS
6:00 p.m. Town Center Exhibit Area

Leitner J. Hoppe P. Zipfel J. ***POSTER LOCATION #157***
The Presolar Grain Inventory of the CR Chondrite Elephant Moraine 92161 **[#1873]**
Presolar silicates are three times more abundant in FGRs than in the matrix; SiC shows no variation. S and Fe are enhanced in the rims, indicating less alteration.

Meyer B. S. Clayton D. D. ***POSTER LOCATION #158***
Growth of Large Carbonaceous Grains in Oxygen-Rich Supernova Matter **[#2336]**
We compute the size spectrum of carbonaceous dust grains in oxygen-rich supernova ejecta. Break up of CO by radioactivity allows growth of micron-sized dust.

Liu N. Steele A. Nittler L. R. Alexander C. M. O'D. Wang J. ***POSTER LOCATION #159***
Coordinated Micro-Raman and NanoSIMS Analysis of Micron- to Submicron-Sized Presolar SiC Grains from Murchison **[#2107]**
We demonstrate high spectral resolution and long-term stability of the Raman microscope used and report Raman data for 35 classified presolar SiC grains.

Pravdivtseva O. Shatoff E. A. Meshik A. Stroud R. M. ***POSTER LOCATION #160***
Separation of Allende Nanodiamonds by Electrophoresis **[#2996]**
Distribution of Xe-HL, recovered from 12 sections of the electrophoresis column, suggests at least three subpopulations of grains in Allende nanodiamond separate.

Lewis J. B. Isheim D. Floss C. Daulton T. L. Seidman D. N. ***POSTER LOCATION #161***
Analysis of Allende Nanodiamond Residue by Correlated Transmission Electron Microscopy and Atom-Probe Tomography **[#2248]**
Correlated TEM/APT of Allende nanodiamonds demonstrates the technique is effective for studying multi-component meteoritic acid residues.