

2015 Inaugural GL/DTM Poster Gathering

June 26 (3:00pm-5:30pm), Greenwalt Building, BBR campus

Theme: ASTRO

Presenter	Topic	Poster #
Arriagada, Pamela	The lowest mass exoplanets around our nearest stars	6
Frank, Elizabeth	Mapping Mercury's surface with MESSENGER's X-Ray Spectrometer	14
Sheppard, Scott	The Activity of Active Asteroids	19
Weinberger, Alycia	Imaging colors of protoplanetary and debris disk	31

Theme: BIO

Presenter	Topic	Poster #
Feuillie, Cecile	Interactions of ribonucleotides with aluminum and iron oxide minerals under varying environmental conditions	15
Foustoukos, Dionysis	A Continuous Culture System for Assessing Microbial Activities in the Piezosphere	3
Mamajanov, Irena	Origin of Enzymes	30
Perez-Rodriguez, Ileana	Chemolithoautotrophic metabolism, rate-yield trade-offs, N cycle	18

Theme: GEO

Presenter	Topic	Poster #
Carlson, Rick	Earth's Earliest History	29
Cody, George	Very Large D-H intramolecular isotope Fractionations	4
Conel, Alexander	Earth's volatiles and the Grand Tack	11
Dottin, James III	TBD	21.5
Elardo, Stephen	Constraining the Processes that Fractionate Fe Isotopes at High P-T using Petrologic Experiments	21
Eldridge, Daniel	TBD	29.5
Foley, Brad	Supply-limited weathering and the loss of climate stabilization on rocky planets	23
Garcon, Marion	Archean sediments	27
Gomi, Hitoshi	Electrical Resistivity of Substitutional Disordered hcp Fe-Si and Fe-Ni Alloys at High Pressure: Implications for Core Energy Balance.	20
Hardy, Shaun	Paths to Open Access Publishing for Geoscientists	28
Jackson, Colin	Earth's accretion: clues from experiments with noble gases	32
Labidi, Jabrane	Sulfur and chondrites stuff	7
Le Losq, Charles	Water, hydrogen isotopes, magmas, volcanic eruptions	9
Liu, Nan	Correlation between Raman Peak Shifts and Isotopic Compositions of Presolar SiC Grains	25
Needham, Andrew	Geochemistry from stars to Mars	5
Roman, Diana	Forecasting volcanic explosions based on seismic quiescence	12

Rumble, Doug	Clumped Isotopes and Panorama	10
Sacks, Selwyn	Earthquake Catalog Completeness: Is the b-value Linear at Small Magnitudes?	1
Shirey, Steve	Using Diamonds and Their Inclusions to Study Mantle Geodynamics and Deep Mantle Volatile Cycling	16
Wagner, Lara	Flat Slab Subduction: All the news that's fit to print	8

**Theme:
MATERIALS**

Presenter	Topic	Poster #
Geballe, Zack	High-pressure calorimetry and my plan to study H ₂ O and CH ₄	2
Holtgrewe, Nick	Nitromethane deflagrationons	26
Hou, Mingqiang	Effect of Si on compressional wave velocity of fcc-Fe: Reference data for Mercury's inner core	13
Hu, Qingyang	New transitory forms of silica	17
Liu, Hanyu	Crystal structure prediction at high pressures	22
Vadapoo, Raja	Effect of manganese substitution in Barium Titanate (Mn-BaTiO ₃)	24