

**Extraterrestrial Materials
Analysis Group (ExMAG)**



Extraterrestrial Materials Analysis Group (ExMAG)

PAC meeting, Nov. 14 2023

Barbara Cohen, Chair

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Recent & Upcoming Activities

- ExMAG Annual Meeting August 1–3, 2023
- ExMAG opening up some of its committee meetings to public attendance for breaking news
 - Monday December 18, at 11 am CT. The agenda will include annual reports by the ExMAG subcommittees and a presentation by Dr. Lisa Gaddis of the LPI on their plans for implementing the Support for Planetary Sample Science program.
- ExMAG Newsletter now active
- LEAG - ExMAG Special Action Team stood up – reports due Q3 2024
 - Nominal Samples
 - Volatile Samples and Cold Curation
 - Sample Data
- MEPAG - ExMAG virtual workshop, Connecting community scientific hypotheses to Mars sample science - Feb 13-15 2024
- Soliciting new members for 2024



August Meeting Findings

https://www.lpi.usra.edu/exmag/meetings/exmagapril2023/ExMAG%202023%20Draft%20Findings_v2_Update.pdf

- F1. ExMAG recommends that NASA continue to adopt and use only self-identified demographics in their analyses
- F2. ExMAG recommends strengthening AstroMat as the extraterrestrial materials repository
- F3. ExMAG recommends formation of international research teams for Chang'E sample access
- F4. ExMAG recommends that NASA consider how to enable logistical access to all PSEF-funded facilities for researchers who need to use them
- F5. ExMAG recommends that NASA prioritizes maintenance and repair for the unique assets housing the facilities and equipment in NASA Curation
- F6. ExMAG recommends that NASA and the MSR project better define the Sample Safety and Preliminary Examination activities planned for the SRP and clearly delineate such activities from sample science
- F7. ExMAG recommends that NASA add a criterion to the SRP site selection process consistent with NASA DEIA principles

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ExMAG membership

ExMAG STEERING COMMITTEE

ExMAG Chair
Barbara Cohen

Astromaterials Curator
Francis McCubbin

NASA HQ Liaison
Jeff Grossman
Kathleen Vander Kaaden

Facilities and Informatics Subcommittee

Sample curation facilities,
databases, and catalogs
Pierre Haenecour
Rhiannon Mayne

Barbara Cohen (GSFC), Chair
Jemma Davidson (ASU), Vice-
Chair *and incoming chair*
Michelle Thompson (Purdue),
Secretary
Jessica Barnes (U of Arizona)
Kate Burgess (NRL)
Jon Friedrich (Fordham)
Juliane Gross (Rutgers)
Pierre Haenecour (UA)
Lydia Hallis (U Glasgow)
Philipp Heck (Field Museum)
Manavi Jadhav (UL)
Yang Liu (JPL)
Rhiannon Mayne (TCU)
Molly McCanta (UT)
Larry Nittler (CIW)
*Laura Chaves (Purdue) –
nonvoting EC member, social
media coordinator*

Lunar Sample Subcommittee
Apollo samples, Artemis sample
planning
Jessica Barnes

Mars Sample Subcommittee
MMX and Mars Sample Return
planning
Lydia Hallis and Yang Liu

Microparticle Subcommittee
Cosmic Dust, Stardust mission,
microparticle impacts
Philipp Heck

Asteroid Subcommittee
Hayabusa, Hayabusa-2, OSIRIS-Rex
Larry Nittler

Meteorite Subcommittee
Antarctic meteorites
Jon Friedrich

Genesis Subcommittee
Genesis mission
Larry Nittler