

Welcome to the Science and Planetary Protection in Advance of Human Missions Seminar

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Overview

- **This is the first in a series of Mars Surface Science Workshops**
 - Share other topics you would like to see in this series!
- **Follow-on to the seminar held in late July/early August**
 - Presentation material available at: <https://sma.nasa.gov/sma-disciplines/planetary-protection/smd-workshop/agenda>

Sponsoring Organizations

Office of Planetary Protection, Mars Exploration Program, Mars Exploration Program Analysis Group (MEPAG), Astrobiology Program, & NfOLD

Science Organizing Committee

Nick Benardini, NASA HQ, Office of Planetary Protection

Sarah Johnson, Georgetown University, MEPAG and NfOLD

Erin Lalime, NASA HQ, Office of Planetary Protection

Becky McCauley Rench, NASA HQ, Mars Exploration Program/Astrobiology Program

Lane Painter, NASA HQ, Mars Exploration Program

David Smith, NASA HQ, Planetary Protection Research Program

Andy Spry, BQMI

Mary Beth Wilhelm, NASA Ames Research Center



Workshop Goal

- Address key topics:
 - Identify science priorities for robotic missions in advance of humans arriving on Mars
 - Inform development of planetary protection guidelines for crewed missions to Mars
- Generate referenceable workshop report completed in time to be available to NASEM Committee on A Science Strategy for the Human Exploration of Mars
- Will need volunteers to contribute to report writing!!
 - Email Lane Painter (lane.painter@nasa.gov) if interested



Types of Activities During Workshop

- 1) Sessions – these are 15-20 min talks based on abstracts submitted
- 2) Panel Discussion – these are ~1 hr long panel discussion, with Q&A from audience on a topic based on abstracts submitted
- 3) Scenario Exercise – all participants are invited to discuss a scenario in breakouts, in large group discussion, and then as report outs from each breakout group



Where can I share files?

- <https://drive.google.com/drive/folders/1W78iXCdywlrLQwGpx4q3w8ue0aeQ-OY-?usp=sharing>
- This is an open to anyone with the link google folder. This is also where folks can drop notes from the breakout sessions later this week.



For Wrap-Up/Reporting Plans – Day 3



Reporting Plans

- There will be a workshop report that summarizes the seminar from Jul/Aug, and the sessions these past days.
- Will need volunteers to contribute to report writing!!
 - Email Lane Painter (lane.painter@nasa.gov) if interested
- Goal is to have report available for public release by end of CY2024!! SPORTY!