

2026 OSDR Analysis Working Group Workshop

December 2, 2026 | Crystal Gateway Marriott, Crystal City, VA | Pre-ASGSR 2026

The 2026 Open Science Data Repository (OSDR) Analysis Working Group (AWG) Workshop is a half-day, in-person workshop on the morning of December 2, 2026, before the 2026 Annual Meeting of the American Society for Gravitational and Space Research (ASGSR) begins. It is open to all AWG members and all ASGSR 2026 attendees, space permitting, so register early.

The AWGs analyze open spaceflight data to advance space biology and space health, from fundamental biology to crew health, life support, and lunar missions, and they give OSDR feedback that keeps datasets human-readable and machine-readable. The workshop brings the AWGs together in person. Plant scientists, programmers, spaceflight epidemiologists, microbiologists, regolith researchers, clinicians, and data scientists share progress, compare approaches, and start new projects across disciplines.

Participants can:

- Learn about current AWG projects and open opportunities to contribute.
- Identify analyses that inform crew health, life support, and lunar mission operations.
- Shape OSDR data standards, tools, and workflows through community feedback.
- Build cross-disciplinary collaborations across the AWG community.

Scroll below the agenda for registration details, or click the following link to go directly to the form: https://forms.gle/jks2y618fGbYauAQ7

Workshop Agenda
December 2, 2026 | 8:30 AM - 12:45 PM ET

Time	*Session*	*Moderator / Presenter*
8:30-8:40am	**Welcome and Introduction:** Agenda, Workshop Purpose, and AWG Charter Overview	Ryan Scott
AWG Lightning Talks: 8:40-9:30am ET *Five minutes per AWG, 1 slide. Covers: current state of each AWG, its leads, co-leads, and coordinators, 2025-2026 accomplishments, and current/open projects.*		
8:40-8:45am	**Brain AWG**	Nilufar Ali, Windy McNerney
8:45-8:50am	**Spaceflight Epidemiology AWG**	Rob Reynolds, Kate Flickinger
8:50-8:55am	**Hardware AWG**	Danielle Lopez, Jessica Lee
8:55-9:00am	**Microbes AWG**	Daniela Bezdan
9:00-9:05am	**Female Repro AWG**	Begum Mathyk
9:05-9:10am	**Plant AWG**	Richard Barker
9:10-9:15am	**Regolith AWG**	Harmeet Singh
9:15-9:20am	**Animal AWG**	Amber Paul
9:20-9:25am	**Super Intelligence/Machine Learning (SI/ML) AWG**	Jian Gong

Time	*Session*	*Moderator / Presenter*
Keynote Presentations: 9:30-10:30am ET		
9:30-10:00am	***Keynote Presentation:* Automated behavioral segmentation and markerless pose tracking of mice during spaceflight**	Talmo Pereira, Salk Institute
10:00-10:30am	***Keynote Presentation:* Charting the path forward for plant-microbe systems in space**	Ben Sikes, University of Kansas
10:30-10:45am	**Break**	
10:45-11:00am	***Science, Collaborations, and Experiences from the Brain AWG:* How to organize productive subgroup projects** • Brain AWG overview and subgroup science highlights • How to start a subgroup project • Setting up a productive subgroup • Forum-Space activity • General functioning and culture	Windy McNerney, Stanford University
AWG Breakout Sessions: 11:00am-12:35pm ET *Each session runs four concurrent breakout groups in three 15-minute rotations. Participants rotate so each person joins three of the four groups per session. Members of all AWGs (or ASGSR attendees) are welcome at any table.*		
11:00-11:05am	**Introduction to Breakout Sessions**	Ryan Scott
11:05-11:50am	**AWG Breakout Session #1** • SI/ML AWG • Female Repro AWG • Plant AWG • Spaceflight Epidemiology AWG	 Jian Gong Begum Mathyk Richard Barker Rob Reynolds, Kate Flickinger
11:50am-12:35pm	**AWG Breakout Session #2** • Brain AWG • Microbes AWG • Animal AWG • Regolith AWG	 Windy McNerney, Nilufar Ali Daniela Bezdan Amber Paul Harmeet Singh, Harrison Coker
12:35-12:45pm	**Wrap-Up:** Closing Statements	Ryan Scott

How to Attend

1. **Register for the workshop**: https://forms.gle/jks2y618fGbYauAQ7. Required for everyone, including July-August interest form respondents. Registration closes December 1 or when the room reaches capacity.
2. **Register for ASGSR 2026 for at least December 2**: https://asgsr.org/2026-conference-registration/. One-day pass: $450 professional, $200 student. Attendees cover their own costs. No high school students.
3. **Can't attend in person?** Sessions from 8:30 to 11:00 AM ET stream as a view-only webinar. Select that option on the registration form; the stream link will also be posted on the AWG Forum-Space: https://awg.osdr.space/about

Questions? Ryan Scott, OSDR Engagement Lead: ryan.t.scott@nasa.gov