

Making Waves with NOW

- This month's new releases: Lynnae Quick, [Cryolava Dome Growth Resulting from Active Eruptions on Jupiter's Moon Europa](#).
- Call for future [NOW Waves](#), please submit slide (pptx, jpg, pdf) to: kpietro@whoi.edu

Recent NOW Events

- Quarterly Lecture Series S3 E2: [Exploring Ocean Worlds Through Analogs: Lab Studies](#)
 - [Xinting Yu](#): "Material Properties of Organic Liquids, Ices, and Hazes on Titan"
 - [Paul V. Johnson](#): "Frozen Brines: Experimental Insights into Europa's Surface Chemistry and Microbial Viability" [Rewatch on YouTube](#)

Other Meetings, Workshops and Activities

- January 9-11 [Ices in the Solar System](#)
- January 9-11 [Technology Showcase for Future NASA Planetary Science Missions](#)
- January 23 [Origins Seminar Series](#)
- January 24-26 [SBAG](#)
- March 12-18 Red'23 [Astrobiology Introductory Course \(Register by Jan 31st, 2023\)](#)
- March 13-17 [LPSC](#) (abstract deadline 1/10/2023)
- April 23-28 [EGU General Assembly](#) (abstract deadline 1/10/2023)
- May 15-18 [Brines Across the Solar System: Ancient and Future Brines](#) (abstract deadline 3/1/2023)
- July 10-14 [International Summer School in Astrobiology](#) (application deadline 3/1/2023)
- July 30-Aug 4 [AOGS 2023](#) including [PS09: Geology, Geophysics, and Habitability in Our Solar System](#) (abstract deadline 2/14/2023)

Recent Publications Relevant to Ocean Worlds

- [Carnahan et al., 2022](#). Surface-to-ocean exchange by the sinking of impact generated melt chambers on Europa. *Geophysical Research Letters*. 10.1029/2022GL100287.
- [Ramirez-Llodra et al., 2023](#). Hot vents beneath an icy ocean: The Aurora Vent Field, Gakkel Ridge, revealed. *Oceanography* 36, 8-19. <https://doi.org/10.5670/oceanog.2023.103>
- [Ryan-Davis, J., & Scalice, D., 2022](#). Co-Creating Ethical Practices and Approaches for Fieldwork Co-Creating Ethical Practices and Approaches for Fieldwork. *AGU Advances*, 3(6). doi:10.1029/2022av000762
- [Piaulet. et al., 2022](#). Evidence for the volatile-rich composition of a 1.5-Earth-radius planet. *Nat Astron.* <https://doi.org/10.1038/s41550-022-01835-4>

New Job Postings

- [Postdoctoral Position in Cosmic Ice Astrochemistry](#), NASA Goddard Space Flight Center (12/31/2022)
- [Assistant or Associate Professor, Origins of Life](#), Purdue University (applicant review 1/3/2023)
- [AGU Congressional Science Fellowship](#) (1/15/2023)
- [NASA Postdoctoral Program](#) (3/1/2023) [List of current fellowships](#)
- *Previously advertised posts archived [HERE](#)*

Proposal Calls

- [DOSI Travel Grants for Deep-Sea Experts](#) (rolling)
- [National Academy Ocean Shot](#) (rolling)
- [NASA ICAR](#) (Step1: 9/15/2022; Step 2: **1/10/2023**)
- [NASA Minority University Research & Education Project, Precollege Summer Institute](#) (**1/17/2023**)
- [Lewis and Clark Fund for Exploration and Field Research in Astrobiology](#) (**2/1/2023**)
- [NASA Habitable Worlds](#) (Step 1: 11/8/2022; Step 2: **2/3/2023**)
- [Harriet Evelyn Wallace Scholarship for Women Geoscience Graduate Students](#) (**2/5/2023**)
- [NASA Exobiology](#) (NoDD- 3/29/2023)
- [Astrobiology Early Career Collaboration Award](#) (4/3/2023)

News, Education, and Outreach

- [LUNATIC](#): (Lunar Astrobiology Society) early career hub
- [ASP looking for Eclipse Ambassadors](#)
- Subscribe to the [NASA Astrobiology Mailing List](#)