

Making Waves with NOW

- This month's new releases:
 - Dale Winebrenner: [Clean Sampling of Englacial Meltwater at Greenland Summit Using a Recoverable Ice Melt Probe](#).
- Call for future [NOW Waves](#), please submit slide (pptx, jpg, pdf) to: kpietro@whoi.edu

NOW Upcoming Events

- September 24th 11-1pm ET/ 8-11am PT NOW Proposal Writing Workshop
 - Presentations from Program Managers: Mary Voytek (PSD), Laura Lorenzoni (ESD-Oceans), Thorsten Markus (ESD-Cryosphere)
 - Discussion/ Q and A: [Post your questions in advance](#)
 - [Register for the event](#)
- October 18th 1pm ET/ 10am PT [NOW Lecture Series](#) Season 2, Episode 3
 - The Geochemical exploration of Ocean Worlds, and links to Habitability (*details to come*)

Other Meetings, Workshops and Activities

- Sept 13-24 [EPSC](#)
- Sept 14-17 [AbGradCon 2021](#)
- Sept 20-23 [Global Oceans 2021](#)
 - Special Session on *Deep Sea exploration and parallels to outer space*
- Sept 28 PAWS, *Get Ready to Interview: Mine Your Skills and Tame Your Nerves (details to come)*
- Oct 3-8 [DPS](#)
- Oct 25 [Modern Brines Across the Solar System](#)
- Dec 13-27 [AGU](#)
- Feb 27-Mar 4, 2022 [Ocean Sciences 2022](#) (abstracts due September 29th)
 - [Special Session: HL18, Ocean Sciences for Ocean Worlds](#)
- Mar 21-25, 2022 [Space Science Week](#)
- May 15-20, 2022 [AbSciCon](#) (session proposals due September 22nd)
- July 16-24, 2022 [COSPAR](#)

Recent Publications Relevant to Ocean Worlds

- [Crósta et al., 2021](#). Modeling the formation of Menrva impact crater on Titan: Implications for habitability, Icarus, S0019-1035(21)00336-5, YICAR 114679.
- [Daswani et al., 2021](#). A metamorphic origin for Europa's ocean. *Geophysical Research Letters*, 48, e2021GL094143.
- [Harris et al. 2021](#). FISH-TAMB, a Fixation-Free mRNA Fluorescent Labeling Technique to Target Transcriptionally Active Members in Microbial Communities. *Microb Ecol*.
- [Leonard et al., 2021](#). UMaMI: A New Frontiers-style Mission Concept to Explore the Uranian System, *Planet. Sci. J.* 2 174.
- [Robinson et al., 2021](#). Hydrothermal Experiments with Protonated Benzylamines Provide Predictions of Temperature-Dependent Deamination Rates for Geochemical Modeling, *ACS Earth Space Chem.* 2021, 5, 8, 1997–2012.

Career Opportunities

- [Postdoctoral positions in Fluid-Rock Interactions & Investigation of Deep Subsurface Life](#), Stable Isotope Laboratory, University of Toronto
- [Assistant Professor/ Research Scientist in Astrobiology, Amity University Mumbai](#) (9/19/2021)
- [X-ray Imaging and Spectroscopy Mission \(XRISM\) Support Scientist at NASA Goddard Space Flight Center \(GSFC\)](#) (9/21/2021)
- [Tenure Track Faculty position in Planetary Science at Brown University](#) (10/1/2021)
- [NASA Postdoctoral Program](#) (11/1/2021)

Proposal Calls

- [TWSC](#) Topical Workshops, Symposia, and Conferences (5/13/2022)

- [PSTAR](#) Planetary Science and Technology Through Analog Research (Step 2: 10/7/2021)

Education and Outreach

- [Universal Life Detection: Astrobiology & Assembly Theory](#)
- Ask an Astrobiologist: Episode 43 with Alfonso Davila, [Rewatch on YouTube](#)
- French Astrobiology Society: [Astrobiology Introductory Courses](#)
- Subscribe to the [NASA Astrobiology Mailing List](#)

