

Making Waves with NOW

- This month's new releases: Baptiste Journaux, [On the identification of hyperhydrated sodium chloride hydrates, stable at icy moon conditions.](#)
- Call for future [NOW Waves](#), please submit slide (pptx, jpg, pdf) to: kpietro@whoi.edu

Upcoming NOW Events

- June 29 [Ocean Worlds Working Group](#) (NOW/OPAG/SBAG) Town Hall [Webex Link](#) & passcode: 2VnQs63KsMi
- July 10 Live from Juneau Icefield: ORCAA, Europa analogue end-to-end cryobot mission, details TBA
- August 19-24 [NOW Retreat](#) Wrigley Marine Science Institute, Catalina Island
 - Application now closed & participant selection process underway

Other Meetings, Workshops and Activities

- June 26-20 [Moons of the Solar System Summer School](#)
- July 9-14 [Goldschmidt 2023 session](#): "Biosignature Diversity, Preservation, and Detection through Geologic Time"
- July 10-14 [International Summer School in Astrobiology](#)
- July 25-27 [Uranus Flagship 2023](#)
- July 25-27 [CRYO2023 Society for Cryobiology](#)
- July 30-Aug 4 [AOGS 2023](#) including [PS09: Geology, Geophysics, and Habitability in Our Solar System](#)
- August TBD [Astrobiology Mission Ideation Factory: Indication of Interest](#)
- September 6-8 Scientific Ocean Drilling- NASA synergies workshop
- October 1-6 [Division for Planetary Sciences & Europlanet Science Congress](#) (abstract deadline 7/7/2023)
- October 24-26 [Origins and Habitability of the Galilean Moons](#)
- October 25-27 [Life in the Subsurface Conference](#) (registration and abstract submission 7/1/2023)
- February 18-23, 2024 [Ocean Science Meeting](#)

Recent Publications Relevant to Ocean Worlds

- [Barr, A.C., et al. 2023](#). Io as an Analog for Tidally Heated Exoplanets. In: Lopes, R.M.C., de Kleer, K., Tuttle Keane, J. (eds) Io: A New View of Jupiter's Moon . Astrophysics and Space Science Library, vol 468. Springer, Cham. https://doi.org/10.1007/978-3-031-25670-7_10
- [Da Poian, V. et al 2023](#). Exploratory data analysis (EDA) machine learning approaches for ocean world analog mass spectrometry. *Frontiers in Astronomy and Space Sciences*. Volume-10- 2023. ISSN 2296-987X. [DOI 10.3389/fspas.2023.1134141](https://doi.org/10.3389/fspas.2023.1134141)
- [do Vale Pereira, P. et al 2023](#). Experimental Validation of Cryobot Thermal Models for the Exploration of Ocean Worlds. *Planet. Sci. J.* 4 81. [DOI 10.3847/PSJ/acc2b7](https://doi.org/10.3847/PSJ/acc2b7).
- [Villanueva, G. L. et al 2023](#). JWST molecular mapping and characterization of Enceladus' water plume feeding its torus Accepted for publication in *Nature Astronomy* on May 17th 2023.

New Job Postings

- [Tenure-Track Assistant Professor in Geobiology and Bio-Geochemistry](#), UC Santa Barbara (6/30/2023)
- *Previously advertised posts archived* [HERE](#)

Proposal Calls

- [NASA Postdoctoral Program](#) (7/1/2023)
- [NASA Topical Workshops, Symposia, and Conferences](#) (7/21/2023)
- [Early Career Investigator Program in Earth Science](#) (8/11/2023)
- [NASA Planetary Science and Technology Through Analog Research](#) (10/24/2023)

News, Education, and Outreach

- [An Explorer of Abyssal Depths Looks to Oceans on Other Worlds](#), Quanta Magazine
- Subscribe to the [NASA Astrobiology SciComm Guild](#)
- Subscribe to the [NASA Astrobiology Mailing List](#)