
Making Waves with NOW

- This month's new releases: Ziqin Ni, [Laser desorption mass spectrometry with an Orbitrap analyser for in situ astrobiology](#)
- Call for future [NOW Waves](#), please submit slide (pptx, jpg, pdf) to: kpietro@whoi.edu

Upcoming NOW Events

- [Quarterly Lecture Series S3 E3](#): Exploring Ocean Worlds Through Analogs: Numerical Simulations
 - March 27th 3pm ET/ 12pm PT via Webex (*details to come*)
 - [Dimitris Menemenlis](#), JPL
 - [Krista Soderlund](#), UT Austin

LPSC Events (March 13-17)

- March 13- Mar 16 [Professional Development and Public Engagement Events](#)
- March 15th NOW/ FLOW Meet Up: [Baja Cantina](#) at noon (outside for COVID caution)
- March 14 [OPAG Town Hall](#)

Other Meetings, Workshops and Activities

- March 12-18 Red'23 [Astrobiology Introductory Course](#)
- March 23 [Astrobiology SciComm Guild](#): NASA's SCOPE team & NASA's Science Activation program, discussing digital learning opportunities for members.
- May 15-19 [Chapman Conference on Hydrothermal Circulation and Seawater](#) Circulation
- April 23-28 [EGU General Assembly](#)
- May 2-3 [OPAG](#)
- May 4-6 [AbGradEPEC 2023 Symposium](#)
- May 5-7 [Oxygen in Planetary Biospheres](#)
- May 8-12 [Biennial European Astrobiology Conference](#)
- May 11 & 25 [NASA Planetary Science Summer School in Mission Design](#) (applications due **3/28/2023**)
- May 10-12 [COLDEX Interdisciplinary Oldest Ice Science Short Course for](#) ECR's
- May 15-18 [Brines Across the Solar System: Ancient and Future Brines](#) (abstracts extended **3/10/2023**)
- May 18-22 [AbGradCon Proposal Writing Retreat](#) (applications due **3/15/2023**)
- May 22-25 [Ab GradCon](#) (applications due **3/15/2023**)
- 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](#) (abstract deadline 4/27/2023)
- July 25-27 [CRYO2023 Society for Cryobiology](#)
- July 30-Aug 4 [AOGS 2023](#) including [PS09: Geology, Geophysics, and Habitability in Our Solar System](#)

Recent Publications Relevant to Ocean Worlds

- [Chatain, A. et al. 2023](#). Interaction dust – plasma in Titan's ionosphere: Feedbacks on the gas phase composition. *Icarus* (2023), in press.
- [Copolongo, A. and the SHERLOC science team](#), including S. Shkoylar, et al. (2022). SHERLOC Raman mineral detections of the Mars 2020 Crater Floor Campaign. *JGR Planets*, 128, e2022JE007455. <https://doi.org/10.1029/2022JE007455>
- [Czaplinski, C. et al. 2023](#). Experimental Characterization of the Pyridine:Acetylene Co-crystal and Implications for Titan's Surface. *ACS Earth Space Chem*.
- [Ely, T. et al. 2023](#). Huge Variation in H₂ Generation During Seawater Alteration of Ultramafic Rocks, Geochemistry, Geophysics, Geosystems, e2022GC010658.
- [Molari, M., et al. 2023](#). A hydrogenotrophic *Sulfurimonas* is globally abundant in deep-sea oxygen-saturated hydrothermal plumes. *Nat Microbiol* (2023). <https://doi.org/10.1038/s41564-023-01342-w>

- [Rucker, H. R. et al. 2023](#). Quantifying the Bioavailable Energy in an Ancient Hydrothermal Vent on Mars and a Modern Earth-Based Analog. *Astrobiology*. ahead of print <http://doi.org/10.1089/ast.2022.0064>

New Job Postings

- [Postdoctoral Research Associate: OSIRIS-Rex NanoSIMS analysis](#), University of Arizona (until filled)
- [Head of Science Operations Development](#), ESA (3/10/2023)
- [Postdoctoral Research Fellow: Deep Sea Biology](#), University of Western Australia (3/13/2023)
- [Marine Ecologist](#), NOAA National Centers for Coastal Ocean Science (3/15/2023)
- *Previously advertised posts archived [HERE](#)*

Proposal Calls

- [NASA Exobiology](#) (NoDD- 3/29/2023)
- [NASA Astrobiology Early Career Collaboration Award](#) (4/3/2023)

News, Education, and Outreach

- [Meet the Team Simulating Europa's Surface-on Earth](#) (NASA/ JPL/ CalTech, "Mission Updates")
- [Icefin Dives Below the Antarctic Ice Shelf](#) (A. Gronstal, NASA Astrobiology)
- [REU Program at Dartmouth](#) (3/31/2023)
- [OCB to sponsor ECR in 2023 Cornell Satellite Remote Sensing Summer Course](#) (3/17/2023)
- [NASA: Volunteer to be a Reviewer](#)
- Subscribe to the [NASA Astrobiology SciComm Guild](#)
- Subscribe to the [NASA Astrobiology Mailing List](#)