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### Making Waves with NOW

- This month's new release: Lauren Schurmeier, University of Hawaii at Manoa, [Rapid Impact Crater Relaxation Caused by an Insulating Methane Clathrate Crust on Titan](#).
- Call for future [NOW Waves](#), please submit slide (pptx, jpg, pdf) online.

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### FLOW Highlights

- [Application for the FLOW fellowship](#) is open (1/6/2025)
- [Caro, T., et al. 2024](#). Single-cell measurement of microbial growth rate with Raman microspectroscopy. *FEMS Microbiology Ecology*, Volume 100, Issue 9, fiae110.
- [Trinh, K., et al. 2024](#). A Critical Core Size for Dynamo Action at the Galilean Satellites. *Geophysical Research Letters*, Volume 51, Issue 22, e2024GL110680.

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### Meetings, Workshops and Activities

- Feb 11-13 [EDIA Workshop for Leaders in Planetary Science](#)
- Feb 25-28 [Outer Planets Assessment Group Meeting](#)
- March 10-14 [Lunar and Planetary Science Conference](#)
- April 27- May 2 [EGU General Assembly](#) (abstracts due 1/15/2025)
  - o PS6.1: [Emergence, chemistry, and evolution of organic matter in the Solar System](#)
- July 6-11 [Goldschmidt](#)
- July 14-18 [Progress in Understanding the Pluto System](#)
- August 11-15 [The Science Mission Directorate's 2025 PI Launchpad Event](#), NASA Ames Research Center

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### Recent Publications Relevant to Ocean Worlds

- [Albars, E., et al., 2024](#). Ultramafic-influenced submarine venting on basaltic seafloor at the Polaris site, 87°N, Gakkel Ridge, *Earth and Planetary Science Letters*.
- [Guth, A. F. \(2024\)](#). Arctic Hydrothermal Vents May Resemble Those on Enceladu, *Eos*, 105.
- [Stern, J., et al. 2024](#). A Comprehensive Framework for Assessing Terrestrial Analogue Field Sites for Ocean Worlds, *Authorea*.
- [Turtle, E., et al., 2024](#). The Europa Imaging System (EIS) Investigation. *Space Science Reviews* 220, 91.
- [Vincent, L., et al., 2024](#). Bacterial spore morphology remains highly recognizable after exposure to simulated Enceladus and Europa surface conditions. *Commun Earth Environ* 5, 688 (2024).

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### New Job Postings

- [PhD student](#), UT Austin (Application due 1/1/2025)
- [Postdoctoral Investigator- Applied Ocean & Physics Department](#), WHOI (open until filled)
- [Previously advertised posts archived](#) [HERE](#)

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### Proposal Calls

- [Habitable Worlds](#) (Step 1: 11/08/2024; Step 2: 1/31/2025)
- [Interdisciplinary Consortia for Astrobiology Research](#) (Step 1: 9/24/2024, Step 2: 1/16/2025)
- [NASA Science of Pace](#) (NOI due: 10/1/2024; Proposals due 1/22/2024)
- [RFI: Development of The NASA Decadal Astrobiology Research and Exploration Strategy 2025](#) (2/4/2025)
- [NASA Future Investigators in NASA Earth and Space Science and Technology](#) (FINESST) (2/5/2025)
- [Habitable Worlds Observatory System Technology Demonstrations and Mission Architecture Studies](#) (HWOTAS, 2/6/2025)
- [NASA Exobiology](#) (3/28/2025)

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### News, Education, and Outreach

- [Summer intern program](#) at the National Air and Space Museum (apply by 1/31/2025)

