

## Making Waves with NOW

---

- This month's new releases:
  - Mohit Melwani Daswani: [A Metamorphic Origin for Europa's Ocean.](#)
- Call for future [NOW Waves](#), please submit slide (pptx, jpg, pdf) to: [kpietro@whoi.edu](mailto:kpietro@whoi.edu)

## NOW Recent Events

---

- October 18<sup>th</sup> 1pm ET/ 10am PT [NOW Lecture Series](#) Season 2, Episode 3
  - The Geochemical exploration of Ocean Worlds, and links to Habitability
  - Dr. Chris Glein and Professor Abel Mendez

## NOW Upcoming Events

---

- January 3<sup>rd</sup> 1pm ET/ 10am PT [NOW Lecture Series](#) Season 2, Episode 4 (*details to come*)

## FLOW Upcoming Events

---

- Nov 29<sup>th</sup> Election for executive roles (link on FLOW Slack Channel)
- Nov/Dec FLOW Career Coffee Hour: Academia (*details to come*)
- Jan/ Feb 2022 Early Career Proposal Writing Workshop (*details to come*)

## Other Meetings, Workshops and Activities

---

- Dec 13-27 [AGU](#)
- Jan 11 [Neptune/ Triton System Seminar Series: Dr. Corey Cochrane](#)
- Jan tbd [Professional Advancement Workshop Series \(PAWS\)](#)
- Feb 6-11 [Winter School on Atmosphere-Ocean-Sea Ice Interaction Processes](#)
- Feb 27-Mar 4 [Ocean Sciences 2022](#)
- Mar 14-18 [ICAT Ice Core Analysis Techniques PhD school](#)
- Mar 21-25 [Space Science Week](#)
- April 19-20 [OPAG](#)
- May 15-20 [AbSciCon](#)
- July 16-24 [COSPAR](#)

## Recent Publications Relevant to Ocean Worlds

---

- [Sanchez et al. 2021](#). Exploring habitability with artificial hydrothermal vents. *Nat Rev Earth Environ* 2, 590. <https://doi.org/10.1038/s43017-021-00206-3>
- [Green et al. 2021](#). Call for a framework for reporting evidence for life beyond Earth. *Nature* 598, 575–579 (2021). <https://doi.org/10.1038/s41586-021-03804-9>
- [McCullom et al. 2022](#). Hydrogen generation from serpentinization of iron-rich olivine on Mars, icy moons, and other planetary bodies, *Icarus*, Volume 372, 2022, 114754, ISSN 0019-1035, <https://doi.org/10.1016/j.icarus.2021.114754>.
- [Messmer et al. 2021](#). Investigation of Raman Spectroscopic Signatures with Multivariate Statistics: An Approach for Cataloguing Microbial Biosignatures, *Astrobiology*, published online: 23 Sept 2021 <https://doi.org/10.1089/ast.2021.0021>.
- [Dubois et al. 2021](#). "Investigating the Condensation of Benzene (C<sub>6</sub>H<sub>6</sub>) in Titan's South Polar Cloud System with a Combination of Laboratory, Observational, and Modeling Tools". *Planet. Sci. J.* 2 121.

## Career Opportunities

---

- [Senior Scientist for Astrobiology](#), NASA Ames (open until filled)
- [Associate or Full Professor of Geobiology](#), University of Southern California (open until filled)
- [Postdoc with Rensselaer Astrobiology research and Education Center](#) (open until filled)
- [Department Chair-Earth and Planetary Sciences](#), University of Texas San Antonio (open until filled)
- [Research Scientist in Marine Geology and Geophysics](#), Columbia LDEO (open until filled)
- [Postdoctoral positions in Fluid-Rock Interactions & Investigation of Deep Subsurface Life](#), Stable Isotope Laboratory, University of Toronto (open until filled)
- [Tenure Track Assistant Professor in Prokaryotic Molecular Biology](#), Lehigh University (open until filled)

- [Assistant Professor in Geology](#), West Texas A&M University (open until filled)
- [Assistant Professor in Sedimentary Processes](#), Boston College (open until filled)

### **Proposal Calls**

---

- [ECA](#) Planetary Science Early Career Award (12/8/21)
- [TWSC](#) Topical Workshops, Symposia, and Conferences (5/13/2022)

### **News, Education, and Outreach**

---

- [Biosignature Standards of Evidence White Paper](#) deadline for commenting extended to Nov 18th
- [Recording of Planetary Science and Astrobiology Seminar](#): Svetlana Shkolyar: Biosignature Studies with Raman and Fluorescence Spectroscopy
- [Recording of 2021 Europa In Situ Science Workshop](#)
- NASA Astrobiology Feature Story: [Are We Alone in the Universe? NASA Calls for New Framework](#)
- NASA Astrobiology Feature Story: [Life in the Extreme: Hydrothermal Vents](#)
- Subscribe to the [NASA Astrobiology Mailing List](#)

