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### Making Waves with NOW

- Call for future [NOW Waves](#), please submit slide (pptx, jpg, pdf) online.

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### FLOW Highlights

- **Gabriella Rizzo (Ph.D. student, University of Nebraska-Lincoln)**  
Gabriella has been awarded the NASA Nebraska Space Grant for her project investigating how a methanogenic enrichment dissolves calcium carbonate under moderately alkaline conditions. Her work will also assess whether this process leaves behind distinctive isotopic or textural biosignatures.

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### NOW Sponsored Events

- *NOW Lecture Series* - Rewatch Seasons 1-5 on the [NOW YouTube Channel](#)
  - o Season 1: [Introduction to Cryospheres: The Ocean Worlds and Earth](#)
  - o Season 2: [Signs of Life: Detection and Characterization](#)
  - o Season 3: [Exploring Ocean Worlds Through Analogs, Field Studies](#)
  - o Season 4: [Making Measurements on Ocean Worlds, Life Detection](#)
  - o Season 5: [Europa Clipper Instruments and Earth Mission Analogs](#)

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### Meetings, Workshops and Activities

- Dec 15-19 [AGU Annual Meeting](#)
- Feb 22-27 [AGU Ocean Sciences](#)
- May 3-8 [EGU26 General Assembly](#)
  - o PS6.1 - [Habitability of Icy Ocean Worlds: Insights from Earth Analogues and Laboratory Experiments](#)
- May 17-22 [Astrobiology Science Conference](#) (AbSciCon)
  - o [Abstract Submissions Open](#) (due January 14)
- Jun 8-August 15 2026 [Extraterrestrial Materials Academy](#) (ETMA) (due January 16)

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### Recent Publications Relevant to Ocean Worlds

- [Brouwer, Gwendolyn, et al. \(2025\)](#). "Topographic relaxation of complex impact craters in a clathrate crust on Titan". *The Planetary Science Journal* 6.9 (2025): 217
- [Craddock et al. \(2025\)](#). "Laboratory simulations of organic synthesis in Enceladus: Implications for the origin of organic matter in the plume". *Icarus*, 116836.
- [Francis, M. R. \(2025\)](#). "Infrared Instruments Could Spot Exotic Ice on Other Worlds". *Eos*, 106.
- [Herrera-Amaya, A. et al. \(2025\)](#). "Effects of temperature and viscosity on the metachronal swimming of crustaceans". *Physical Review Fluids* (2025)
- [Khawaja et al. \(2025\)](#). "Detection of organic compounds in freshly ejected ice grains from Enceladus's ocean". *Nature Astronomy* (2025)
- [Schurmeier, L. R., and S. A. Fagents \(2025\)](#). "Titan's lithospheric strength envelope and brittle–ductile transition: The importance of crustal pore fluids, organics, and clathrates". *Journal of Geophysical Research: Planets* 130.9: e2025JE009118.

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### Funding Opportunities

- [Pierazzo International Student Travel Award](#) (11/25/25)

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### New Job Postings

- *Previously advertised posts archived* [HERE](#)

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### News, Education, and Outreach

- The Astrobiology SciComm Guild's partner, VIRTEX, sponsored by NASA's Office of STEM Engagement, is looking for NASA-funded scientists, engineers, and technicians (including early career researchers) who

conduct research in exciting environments such as remote field locations, unique laboratory settings, and more. They are seeking mentors for youth at Boys and Girls Clubs across the US. Please consider becoming a mentor. The time commitment is minimal - 5 hours spread out over months. See [here](#) to learn more and apply or contact the team with questions.

- The Astrobiology SciComm Guild is an initiative of the NASA Astrobiology Program. We support the astrobiology community as evolving science communicators by bringing members professional development training and diverse SciComm opportunities in partnership with NASA and external organizations. To become a member, contact [Svetlana.Shkolyar@nasa.gov](mailto:Svetlana.Shkolyar@nasa.gov).