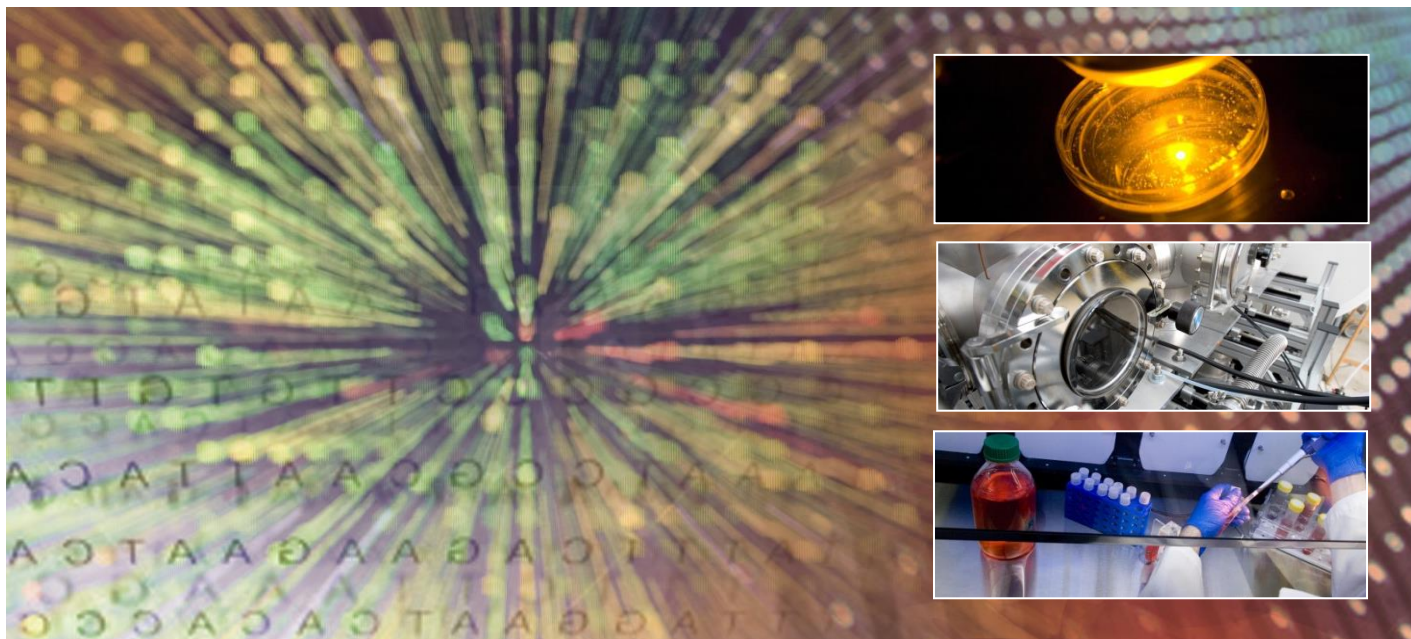


# INSTITUTE FOR GENOMIC BIOLOGY

IGB SEMINAR



**“Chemical Disequilibrium, Hydrothermal Vents, and the Origin of Metabolism”**

**Laura Barge, Ph.D.**  
**Jet Propulsion Laboratory**  
**Pasadena, CA**

Laurie Barge is a NASA Astrobiology Postdoctoral Fellow with the NAI Icy Worlds team at the Jet Propulsion Laboratory in Pasadena, CA.. Her work focuses on the origin of life at hydrothermal vents, both on the early Earth and also on the icy moons of the outer planets.

**02.18.14**

**12:00 P.M.**

**IGB CONFERENCE CENTER**  
**1206 WESTGREGORYDRIVE**  
**URBANA, IL**

 **ILLINOIS**