

# ONE DAY GEOLOGY BOOT CAMP



Image source: sciencenews.org

**RUTGERS-NASA ENIGMA ASTROBIOLOGY PROGRAM** invites you to an integrated **GEOSCIENCE COURSE** aimed at providing broad conceptual exposure to the underpinnings of geological processes, encouraging interest in astrobiology and enriching our interdisciplinary discussions on the origins of life.

## November 19th 2020

### 10:00am to 2:15pm ET

This intensive four hour course will expand your understanding of **GEOLOGICAL PROCESSES**, integrating current knowledge from leaders across the **ASTROBIOLOGY** and **GEOLOGY** fields. Faculty, post-docs, graduate and undergraduate students are welcome.

Learn more about the **ROLE OF BIOGEOCHEMICAL PROCESSES** in **EVOLUTION** from experts around the world researching the co-evolution of the geosphere and biosphere.

- Origin of Earth's Crusts and Cycles
- How do we Date Rocks
- Origin of Minerals and their Cycles through Geologic Time
- What is and How does Isotopic Fractionation Work

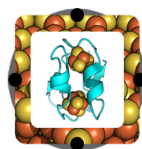
The program is **FREE** and registration is requested. Go to website [enigma.rutgers.edu](http://enigma.rutgers.edu) for more information and virtual links. Program Coordinator Beatrice Birrer [bea@marine.rutgers.edu](mailto:bea@marine.rutgers.edu)

#### VIRTUAL PROGRAM

- 10:00 AM Welcome and introductions  
*Paul G. Falkowski, Rutgers University*  
(lead PI: ENIGMA)
- 10:10 AM *Jun Korenaga, Yale University*
- 11:10 AM *Shaunna Morrison, Carnegie Institute for Science*
- 12:10 PM *Ros Rickaby, University of Oxford*
- 1:10 PM *Carl Swisher, Rutgers University*
- 2:15 PM *Adjourn*



# RUTGERS



# e·nig·ma

*Evolution of Nanomachines In Geospheres and Microbial Ancestors*



**ASTROBIOLOGY at NASA**  
LIFE IN THE UNIVERSE