

<http://dornsife.usc.edu/geobio2013>

GEOBIOLOGY 2013

AN INTERNATIONAL TRAINING COURSE IN A RAPIDLY EVOLVING FIELD



June 9–
July 12, 2013

Applications due: February 15, 2013

AGOURON
INSTITUTE



GORDON AND BETTY
MOORE
FOUNDATION



An intense, multidisciplinary summer course exploring the coevolution of the Earth and its biosphere, with an emphasis on how microbial processes affect the environment and leave imprints on the rock record. Participants get hands-on experience in cutting-edge geobiological techniques including molecular biology, bioinformatics, geochemistry, petrology and sedimentology, and work in research groups to solve relevant questions.

Themes include:

- (1) Molecular biology and lithification of Great Salt Lake microbial mats;
- (2) Biosignature formation, degradation and preservation;
- (3) Stromatolites as modern and ancient geobiologic systems.

The course will involve a field trip to the Great Salt Lake and southern Wyoming. Lab work will be conducted at the Colorado School of Mines in Golden, Colorado, USC/Caltech/JPL in the Los Angeles area and the USC Wrigley Institute on Catalina Island, just off the coast of Southern California.

The 2013 course is open to students and researchers at any level, although we give preference to graduate students in their early to mid years of study.

For more information and on-line applications, please see <http://dornsife.usc.edu/geobio2013> or contact GeoBiology Course Coordinator, Ann Close, at: close@usc.edu or (213) 740-6705

