

<http://college.usc.edu/geobio2011>

GEOBIOLOGY 2011

AN INTERNATIONAL TRAINING COURSE IN A RAPIDLY EVOLVING FIELD

June 12–July 13, 2011

Applications due: February 18, 2011

AGOURON
INSTITUTE



GORDON AND BETTY
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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 in 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 Yellowstone Hot Spring microbial mats;
- (2) Biosignature formation, degradation, and preservation;
- (3) Stromatolites as modern and ancient geobiologic systems.

The course will involve a field trip to Yellowstone National Park and surrounding areas. Lab work will be conducted at the Colorado School of Mines in Golden, Colorado, USC/Caltech/JPL in Los Angeles, and the USC Wrigley Institute on Catalina Island, California.

The 2011 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://college.usc.edu/geobio2011> or contact GeoBiology Course Coordinator, Ann Close, at: close@usc.edu or (213) 740-6705

