



Southwest Research Institute

Southwest Research Institute, founded in 1947 by oilman/philanthropist Thomas Baker Slick, is a premier, independent, nonprofit research and development organization using multidisciplinary services to provide solutions to some of the world's most challenging scientific and engineering problems.

SwRI's headquarters are located on 1,200 acres in San Antonio, Texas, and provide more than 2 million square feet of laboratory and office space. Nine technical divisions perform contract research in engineering and the physical sciences for industry and government clients.

The Institute also has offices and laboratories in Boulder, Colorado; Ann Arbor, Michigan; Warner-Robins, Georgia; Ogden, Utah; Oklahoma City, Oklahoma; Rockville, Maryland; Minneapolis, Minnesota; and Beijing, China.



Cost

Course fees include training materials, completion certificate, field visit expenses, and lunches. Fees will be prorated depending on number of participants (maximum of 20).

Cancellation/Refund

Course fees will be refunded if participants notify SwRI they cannot attend the course 15 days prior to start of the course, or if the course is cancelled.

Payment Mode

Payment can be made by credit card online or wire transfer.

Accommodation

Hotel lodging can be arranged on request. Please email the Course Coordinator for details.



Registration

To register for the course or to request more information, please contact:

**James Wood, Principal Scientist
Course Coordinator**
Phone: 210.522.6768
Fax: 210.522.3967
Email: james.wood@swri.org

Chemical Engineering Department
Southwest Research Institute
6220 Culebra Road • PO Drawer 28510
San Antonio, TX 78238-0510

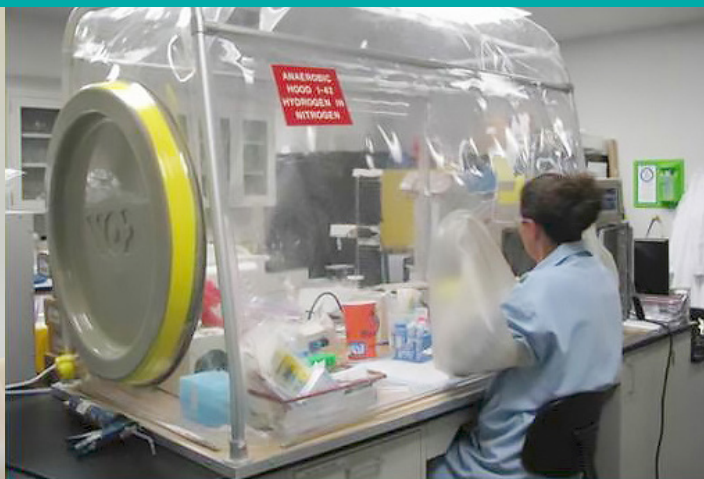
Note: International participants should register well ahead of time to avoid delays due to visa processing and/or travel arrangements. For letter of invitation or mode of payment other than online, please contact the Course Coordinator.

MICROBIOLOGY TRAINING

International Training Course on Microbiology for Upstream Oil & Gas Exploration and Production Industry

February 11-22, 2019

**Southwest Research Institute®
San Antonio, Texas, USA**



Southwest Research Institute® (SwRI®) Microbiology Training

SwRI's microbiological capabilities range from basic microbiology to the complexities of molecular biology to industry-pertinent oilfield microbiology. Experts in each field prepare customized classroom-based courses and offer hands-on laboratory training specific to trainee goals. Basic and complex microbiology courses are offered in a variety of formats including classrooms, laboratories, and field sites. SwRI provides training that is cutting-edge, engaging, and relevant to trainee requirements.

SwRI has offered training in a wide variety of scientific and engineering disciplines to students throughout its history. Training is often specialized and tailored to student needs. Experienced staff members have the necessary expertise to provide the most comprehensive and professional training offered in the scientific community. In addition, relationships with professionals in industry, academia, and government allow for even greater access to expertise in topics important to our course attendees.




Facilities

- Over 2 million square feet of laboratories, conference rooms, and offices
- BSL-2 microbiology labs
- Labs equipped with scanning electron microscopes, biosafety cabinets, incubators, and more

SwRI microbiologists also support the International Alternative Fuel Technology Center for research and development of advanced biofuels and next-generation biofuels from algae and biomaterials.



**INTERNATIONAL
ALTERNATIVE FUEL
TECHNOLOGY CENTER**

A Program of 

Training Courses

- Basic Microbiology
- Oilfield Microbiology
- Environmental Microbiology
- Molecular Biology

Course Highlights

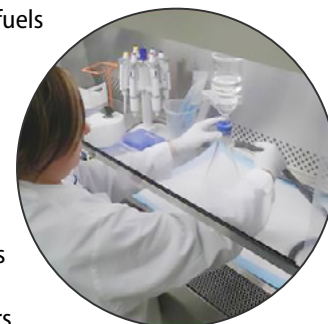
- Good Laboratory Practices (cGLP)
- Reservoir souring investigation (sulfate-reducing bacteria)
- Biocide efficacy testing for production processes
- Enumeration and identification of microbes in downhole systems
- Sampling and determination of microbiologically influenced corrosion (MIC)
- Controlled release biocides
- Hands-on laboratory training and field trips
- Standard methodologies (EPA, ASTM, AOAC)
- Produced water microbiology testing
- Environmental sampling and qPCR
- Biofilms and bioaerosols
- Next-generation biofuels

Training Formats

- Classroom
- Laboratory
- Field site

Attendees

- Oil field professionals
- Petroleum engineers
- University researchers





Microbiology Training Course List

Purpose: These courses target the non-microbiologist professional that would like to learn the basics of the microbiological topics listed below.

Course Name	Course Description ‡	Number of Days	Cost per person†
Basic Microbiology	3 day course for non-biologists that teach the basics of microbiology	3	\$6,550
Environmental Microbiology	3 day course	3	\$6,550
Microbially Induced Corrosion	3 day course	3	\$7,550
Oilfield Microbiology	5 day course	5	\$9,700

† Minimum of 10 people to make a course.

‡ Course cost includes two meals, light breakfast and lunch.

The trainee is responsible for the following: All expenses and accommodations, air travel to and from SwRI, transportation to and from the SwRI campus, housing, meals and entertainment and medical services: The services of the onsite medical staff or offsite emergency services will be summoned for first aid in the event of a sudden illness or an accident. However, all medical expenses are the responsibility of trainee. It is highly recommended that the trainee have medical insurance to protect them. If desired, hotel stay may be arranged through the course coordinator, but hotel and travel costs are not included in the course prices listed in the table.