



Society for Chemical Hazard Communication
Professional Development Training

Combination Course
Advanced Topics in EHS:
Toxicology Testing for Hazard Communication &
Alternatives in Animal Testing

The *Advanced Topics in EHS* series of courses were designed to expand on topics that are introduced in the basic SCHC courses. This combo-course is a unique opportunity to attend two advanced topics, half-day courses for the price of a full day course (a savings of \$100). The first course covers the traditional toxicology tests that are used today to assess health hazards and the second course further expands on the topic of testing by covering the new and emerging methods that are used today and will be into the future. These topics are introduced in the SCHC courses *Toxicology for Hazard Communication* and *Hazard Determination and Risk Assessment*.

Course Description – Toxicology Testing for Hazard Communication

This course is designed to be an overview of the toxicology tests most commonly used to determine the hazard of a material. This course will assume that participants have a basic understanding of the concepts and terminology of toxicology and will focus on giving the participants a better understanding of the need for toxicology testing, the most common laboratory methods used for health hazard determination, and how those results are used in a product safety evaluation and hazard communication. The focus of the course will be the general principles related to toxicity testing, as well as specifics related to testing for cytotoxicity, acute toxicity, eye and skin irritation/corrosion, skin sensitization, and genotoxicity/mutagenicity. The skills developed in the course will allow participants to better participate in the assessment of the hazard of chemical substances and products.

This is an advanced course. While there are no formal prerequisites for this course, it is recommended that participants have a working knowledge of SDS and labels and that they have either taken the SCHC course, *Toxicology for Hazard Communication*, or that they be comfortable with the basic concepts of toxicology.

Course Description – Alternatives in Animal Testing

The goal of this course is to provide an examination of alternatives in animal testing, including the social and political pressures to reduce the use of animals in product testing. Emphasis is placed on the science and various methodologies used for establishing alternatives in animal testing as well as the appropriateness and regulatory limits on the use of these alternatives in hazard communication. The goal of this course is to provide participants with an understanding of the technical aspects of alternatives in animal testing as well as an appreciation of their present and future role in hazard communication. This course has been updated to include the EPA's strategic plan to reduce the use of vertebrate animal in testing under TSCA.

This is an advanced course. While there are no formal prerequisites for this course, it is recommended that participants have a working knowledge of SDS and labels and that they have either taken the SCHC course, *Toxicology for Hazard Communication*, or that they be comfortable with the basic concepts of toxicology.

Intended Audience

Hazard communication professionals looking to expand their knowledge and expertise regarding testing for health hazard determination and classification – today and tomorrow.

Course Fee: \$450.00 for members \$540.00 for non-members

Course Director / Instructor



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Robert Skoglund, Ph.D., DABT, CIH

Dr. Skoglund is the Director of Product Safety and Regulatory Affairs at Covestro LLC. His responsibilities include safety, compliance, stewardship, and sustainability for North America.

Instructor



Catherine F. Jacobson, Ph.D., DABT

Dr. Jacobson is a Senior Toxicology Specialist at the 3M Company. Her primary responsibilities include assessing the human health hazards and risks of raw materials, chemical intermediates, and products for several 3M business units. In addition, she oversees the authoring of hazard communication documents and develops comprehensive health hazard profiles for chemical substances important to 3M.

Instructor



Robert Roy, Ph.D., DABT

Dr. Roy is a Lead Toxicology Specialist at 3M in St. Paul, Minnesota. His primary responsibilities include assessing the human health hazards and safety of products and other materials for several 3M business units. In addition, he leads the development of the 3M Occupational Exposure Guidelines and has been actively involved in California Proposition 65 assessments, chemical health hazard determination, and the human risk/safety assessment of chemicals/intermediates and finished products.



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Course Topics and Schedule (Subject to Change)

Sunday, March 17, 2019

8:00-8:30	Registration / Continental Breakfast
8:30-9:10	Introduction Principles of Toxicology Testing Assessing Cytotoxicity
9:10-9:25	Break
9:25-10:35	Assessing Acute Toxicity Assessing Eye Irritation/Corrosion Assessing Skin Irritation/Corrosion
10:35-10:50	Break
10:50-12:00	Assessing Skin Sensitization Assessing Genotoxicity/Mutagenicity
12:30-1:00	Lunch (provided)
1:00-2:10	Overview of Alternatives in Animal Testing Modified <i>In Vivo</i> Testing
2:10-2:25	Break
2:25-3:35	<i>In Vitro</i> Testing Toxicogenomics, Proteomics, Metabolomics, and Informatics
3:35-3:50	Break
3:50-5:00	<i>In Silico</i> Methodologies Regulatory Framework for Alternative in Animal Testing



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Registration

Admission to the course will be on a first come basis. **Payment must be received by February 9, 2019**, to secure your space. Space is limited.

Fill out the registration form located on SCHC's website: <http://www.schc.org>

SCHC accepts checks, Visa, MasterCard and American Express.

Cancellation Policy

No refunds will be given after February 9, 2019. No one will be admitted to the course unless all fees have been paid in advance. Substitutions are permitted. Every effort has been made to ensure the information in this brochure is accurate. SCHC reserves the right to modify this course without prior notice or to cancel the course 30 days prior to the course date. In the event this course is canceled, SCHC's obligation is limited to a full refund of the course fee.

Hotel Accommodations

Arrangements have been made for a block of rooms at the Tropicana Las Vegas Hotel – 3801 S. Las Vegas Blvd., Las Vegas, Nevada 89109 – 888-381-8767. The rate is \$119/night single or double occupancy through March 30, 2019. Use the [online reservation link](#); or identify yourself with SCHC (group code SCH19 or Society for Chemical Hazard Communication).