

Occupational Risk Assessment and Exposure Course Now Available!

An Occupational Risk Assessment and Exposure Course is now available. The course covers the basics of occupational risk assessment, including the development of occupational exposure limits (OELs) and details of an exposure assessment.

Check our website for updates on this course and our other courses at <http://www.tera.org/Global/Training/index.html>



Boot Camp Course Instructors

Lynne Haber, Ph.D., DABT
Associate Director, TERA

Dr. Haber has over 17 years of experience as a developer or reviewer of human health risk assessments and risk assessment methods for U.S. and international regulatory agencies and private sponsors.

Michael Dourson, Ph.D., DABT
President, TERA

Dr. Dourson has over 30 years of experience as a developer or reviewer of human health risk assessments and risk assessment methods for U.S. and international regulatory agencies and private sponsors.

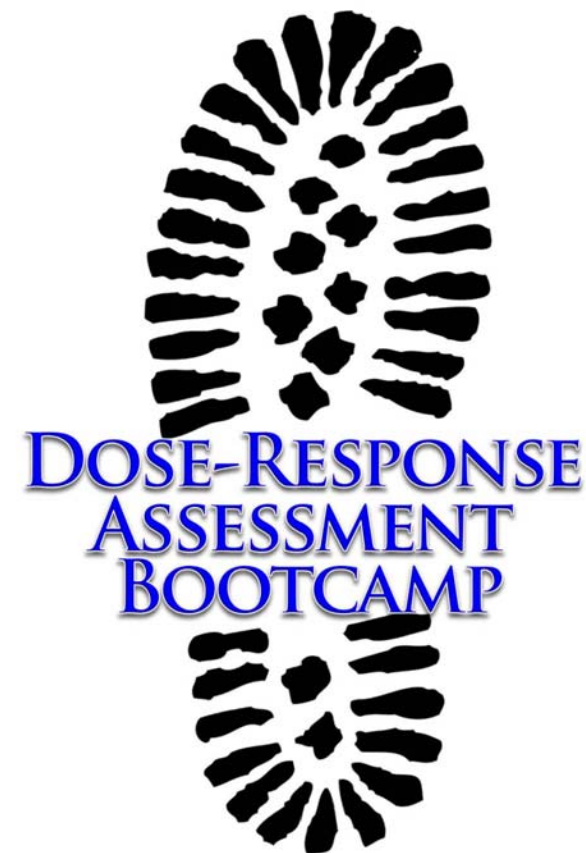
TERA

FOR MORE INFORMATION
CONTACT:

PATRICIA NANCE, M.A.,
M.ED.
513-542-7475 x25
NANCE@TERA.ORG

A NONPROFIT CORPORATION
DEDICATED TO
THE BEST USE OF TOXICITY
DATA FOR RISK VALUES

This course is endorsed by:



**CUSTOMIZABLE
COURSES AVAILABLE!**

**RISK ASSESSMENT FROM
0 TO 95% CONFIDENCE IN 5 DAYS!!**

5-DAY COURSE INFORMATION

Who should attend?

- Risk assessors and toxicologists who conduct, write, and/or review chemical assessments
- Risk managers or policymakers who use the results of chemical assessments and want to fully understand the processes involved in risk development.

Prerequisites

- Basic understanding of toxicology
- Interest in developing skills in human health risk assessment.

What you should bring

- Laptop
- Calculator

What you will learn

This course is a 5-day intensive hands-on training in hazard characterization and dose-response assessment. Beginners through expert toxicological risk assessors will learn advanced methods, as well as enhance their understanding and skills in the basics. Course lectures will be supplemented with daily hands-on application exercises. **Make sure to reserve time each evening for the homework exercises.** Upon completion of the course, participants will be able to derive and evaluate risk values and supporting documentation for both non-cancer and cancer risk assessments.

This course is endorsed by the Society of Toxicology (SOT) and the Society for Risk Analysis (SRA). Five Continuing Maintenance (CM) points will be available from the American Board of Industrial Hygienists (ABIH). Four Continuing Education Units (CEU) are available from the National Environmental Health Association (NEHA).



3-Day and 4-Day Courses Available!

Boot Camp is also available for private training courses and can also be presented in a 3-day or 4-day format. These courses are generally a private courses for a specific corporation or agency. We will work with you to select the most relevant topics for your group from the outline of the full 5-day course.



Other 1/2 Day and 1-Day courses are available on topics such as:

- *NonCancer & Cancer Risk Assessment*
- *Dosimetric Adjustments in Dose-Response Assessment*
- *Benchmark Dose Modeling*
- *Use of Chemical Specific Adjustment Factor*
- *Issues in Children's Health Risk*

COURSE TOPICS

Non-Cancer and Cancer Risk Assessment Methods

- Critically analyze effect data
- Apply frameworks for evaluating mode of action (MOA) & human relevance
- Understand & apply toxicokinetic data in evaluating MOA & developing risk values
- Synthesize data for hazard characterization & critical effect identification
- Learn latest technologies in risk assessment

Dosimetric Adjustment Methods in Dose-Response

- Develop interspecies oral dose adjustments, conversions for cancer unit risk/slope factor and inhalation exposures, and calculate human equivalent concentrations (HECs) for particles and vapors
- Understand uses of PBPK modeling in risk assessment and issues for its application

Benchmark Dose (BMD) Modeling and Application in Risk Assessment

- Hands-on experience using BMD modeling for all models in EPA software (i.e., dichotomous continuous, cancer, nested)
- Apply BMD modeling, choose models & parameters, select data & run models, and select appropriate BMD as point of departure in a human health assessment

Principles for Application of Uncertainty Factors & Chemical Specific Adjustment Factors (CSAFs)

- Use of uncertainty factors by regulatory groups, use of data to support values other than defaults
- Develop and use CSAFs, as used by IPCS, using mechanistic & toxicokinetic data to replace defaults

Comprehensive Risk Assessment Practice with Peer Review

- Develop, present and review comprehensive non-cancer and cancer assessment over course of week

INDEPENDENT

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FOR PUBLIC HEALTH PROTECTION

SCIENCE