

## Boot Camp Registration Form

PLEASE PRINT

Attendee Name: \_\_\_\_\_

Name \_\_\_\_\_ Affiliation \_\_\_\_\_

Street Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

### Preregistration Course Fee:

\$1995 General       \$1495 State/Local/Tribal

**Late registration Course Fee (Received after August 19, 2011)**

\$2195 General       \$1695 State/Local/Tribal

### Payment Method:

Purchase order (government agencies only)

Check (payable to TERA, include Attendee's Name in memo field)

Credit Card:    Visa    MasterCard    American Express

Card# \_\_\_\_\_

Expiration date: \_\_\_\_\_ Security No. \_\_\_\_\_

Name on card: \_\_\_\_\_

Signature: \_\_\_\_\_

Same as above or Billing Address: \_\_\_\_\_

Phone: \_\_\_\_\_

I have read and understand TERA's cancellation and substitution policy (see inside of brochure)

## Boot Camp Course Instructors

**Andy Maier, Ph.D., DABT**

**Director, TERA**

Dr. Maier has over 15 years of occupational and environmental risk assessment experience and has developed or reviewed numerous toxicity values for EPA, NIOSH, and private sponsors.

**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.

For more information contact:

Patricia Nance, M.A., M.Ed.

513-542-7475 x25

nance@tera.org

This course is endorsed by:



# Toxicology Excellence for Risk Assessment

## Dose-Response Assessment Boot Camp



September 19-23, 2011

Cincinnati, Ohio

Risk Assessment from

0 to 95% Confidence in 5 days!!

## Registration Information

### Course Location

The course will be held on September 19-23, 2011 in Cincinnati, Ohio.

### Course Fee

General (includes Federal Agencies)..... \$1,995  
(After August 19, 2011 – \$2195)  
State/City/County/Tribal Employee..... \$1,495  
(After August 19, 2011 – \$1695)

### Course fee includes

- Take home reference binder
- Morning and afternoon breaks
- Certificate of completion

### Payment Policy

Registration is accepted on a first come, first serve basis. Full payment (in US funds) must be received in order to process your registration. To register, please mail or fax (513-542-7487) the enclosed registration form with credit card information or check/money order (payable to TERA) to: Boot Camp Registration, TERA, 2300 Montana Ave, Ste 409, Cincinnati, OH 45211. Please call 513-542-7475 x 10 with questions.

### Cancellation/Substitution Policy

Cancellations made on or before July 31, 2011 will be issued a refund less \$150 administrative fee per person. Cancellations received between August 1, 2011 and August 19, 2011 will be issued a refund of 50%. No refunds will be issued after August 19, 2011. Substitutions are allowed with additional charge, but must be made by Friday, September 9, 2011. All requests for substitutions or cancellations must be made in writing via email to Patricia Nance at nance@TERA.org.

### Accommodations

More information on accommodations will be posted on our website once it becomes available. (<http://www.tera.org/Global/Bootcamp/index.html>)

## 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.

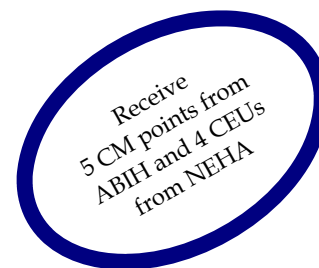
### What you should bring

- 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. 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). This course is endorsed by the Society of Toxicology (SOT) and the Society for Risk Analysis (SRA).



### Toxicology Excellence for Risk Assessment (TERA)

2300 Montana Ave., Ste 409  
Cincinnati, Ohio 45211  
Phone: 513-542-7475  
Fax: 513-542-7487

## Course Topics—you will learn to:

### 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