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# Continuing Education Webinar: TOXNET and Beyond

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## Science -Technology Division Continuing Education Webinar

### TOXNET® and Beyond: Using the National Library of Medicine's Environmental Health and Toxicology Portal

Take this two-part CE webinar to learn the fundamentals of searching the National Library of Medicine's TOXNET system of databases in chemistry, toxicology, environmental health, and related fields. Find out about the content and structure of files covering toxicology data, toxic releases, and chemical nomenclature. In addition to TOXNET, the course will highlight various resources available through the Environmental Health and Toxicology Portal: <http://sis.nlm.nih.gov/enviro.html>.

Instructors are Stephanie Publicker, Diane Howden, and Laura Bartlett, all of NLM's Specialized Information Services Division.

#### **Part 1** Oct. 13, 2009, 1:00 - 3:00pm Eastern / 10:00am – noon Pacific

Part One will introduce users to the Environmental Health and Toxicology Portal and cover the basics of searching the TOXNET system, including saving, printing, and downloading citations. The databases covered in this session will help attendees find factual and bibliographic information about chemicals and toxicology.

- **ChemIDplus**—access to structure and nomenclature authority databases for the identification of chemical substances cited in NLM databases
- **ChemIDplus Advanced**—chemical structures and structure searching/drawing capability plus InChI and/or SMILES structure notations
- **Hazardous Substances Data Bank (HSDB)**—comprehensive, peer-reviewed data for chemicals that covers human health effects, animal toxicity studies, environmental fate, exposure, standards and regulations, and chemical/physical properties and safety/handling/disposal of chemicals
- **Toxicology Literature Online (TOXLINE)**—a bibliographic toxicology database covering over 3.5 million bibliographic citations
- **LactMed**—drug information for breastfeeding mothers and their nursing infants including maternal/infant drug levels, possible effects, and alternatives

#### **Part 2** Oct. 20, 2009, 1:00 - 3:00pm Eastern / 10:00am – noon Pacific

Part Two will continue the exploration of the portal by introducing attendees to resources they can use to learn about environmental exposure, map environmental release data, and find drug and dietary supplement information.

- **Toxics Release Inventory (TRI)**—environmental releases of chemicals and waste management activities reported by facilities to the U.S. EPA.
- **TOXMAP**—Electronic maps of chemical releases, Superfund sites, health, census, income data and more.
- **Haz-Map**—Database of chemicals, occupations, job tasks, and associated diseases/conditions.
- **Household Products Database**—Safety and health information for products used in and around the home. Material Safety Data Sheets (MSDS) and product recalls.
- **Drug Information Portal**—Drug information including names, descriptions, labels, and drug categories. Covers drugs from clinical trials through entry in the market place.
- **Dietary Supplements Labels Database**—Ingredients, health benefit claims and manufacturer information for dietary supplements with links to research.

**Registration:**

With this workshop, the Sci-Tech Division is piloting the delivery of continuing education instruction via webinar technology. Therefore, there is no registration fee for Sci-Tech Division members. The non-member fee is \$20. (Hint: you'll save money by joining the Division.)


Register for both parts or just one.

To register, send an email to Susan Shepherd, [sushepherd@ucsd.edu](mailto:sushepherd@ucsd.edu) with your name, affiliation, email address, and whether or not you are a Sci-Tech Division member. Non-members please mail your check for \$20 payable to Science-Technology Division and send it to:

Susan Shepherd  
Science & Engineering Library  
University of California, San Diego  
9500 Gilman Drive #0175E  
La Jolla, CA 92093-0175

**Questions?**

Contact Susan Shepherd, Sci-Tech Division Professional Development Chair, [sushepherd@ucsd.edu](mailto:sushepherd@ucsd.edu), 619-528-8114.



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