
University of Pennsylvania
Institute for Environmental Studies



presents

Bruce Molholt

XperTox

**Proving Carcinogen Exposure
and Cancer Causation**

In that cancers are clones, all cells of the cancer contain DNA with the same mutations causing the initial steps in malignant transformation. These DNA changes are chemical- or radiation-specific and may be utilized to discern what types of exposure initiated carcinogenesis.

Cancer cells from hospital-retained biopsy slides supply sufficient DNA for laboratory analysis. We have employed this technology to explore what chemical(s) may be responsible for a brain cancer epidemic in McCullom Lake Village, a small community 70 miles northwest of Chicago.

Although in its infancy, this technology promises to chastise would-be polluters, even in the absence of effective federal or state hazardous waste regulatory oversight. The potential costs of settling lawsuits far outweighs those expenses associated with safe waste disposal.

Date: October 8, 2008

Time: NOON - 1:30 pm

Place: Carolyn Hoff Lynch Auditorium

On the Penn campus: Chemistry Building
34 & Spruce Sts. (enter on 34 St)

NO REGISTRATION REQUIRED

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NO FOOD OR DRINK PERMITTED IN THE AUDITORIUM
