

SUPERFUND BASIC RESEARCH PROGRAM SEMINAR

FRIDAY, APRIL 20, 2007
12:00 – 1:00 PM
BARUS & HOLLEY, ROOM 190
182 HOPE STREET, PROVIDENCE, RI

**ENDOCRINE DISRUPTORS AND BREAST CANCER:
THE CAPE COD STUDY AND BEYOND**

Presented by

DR. JULIA G. BRODY
EXECUTIVE DIRECTOR

with

DR. RUTHANN RUDEL
LEADER, HOUSEHOLD EXPOSURE STUDY AND TOXICOLOGY RESEARCH

SILENT SPRING INSTITUTE, NEWTON, MA

LABORATORY RESEARCH IDENTIFIES COMMON ENVIRONMENTAL CHEMICALS AS ANIMAL MAMMARY CARCINOGENS, ENDOCRINE DISRUPTORS, AND DEVELOPMENT TOXINS, SUGGESTING POSSIBLE EFFECTS ON BREAST CANCER. IN ADDITION, RECENT HUMAN RESEARCH, THOUGH IT REMAINS SPARSE, PROVIDES SOME EVIDENCE OF ASSOCIATIONS WITH PCBs, PAHS, ORGANIC SOLVENTS, AND DIOXIN. CONTRIBUTIONS OF THE CAPE COD BREAST CANCER AND ENVIRONMENT STUDY WILL BE DISCUSSED WITHIN THE BROADER CONTEXT OF BREAST CANCER AND ENVIRONMENT RESEARCH. THE CAPE COD STUDY INCLUDES THE DEVELOPMENT OF GEOGRAPHIC INFORMATION SYSTEM (GIS) METHODS FOR INDIVIDUAL-LEVEL EXPOSURE ASSESSMENT IN A CASE-CONTROL STUDY OF 2100 WOMEN, AND TESTING FOR 89 ENDOCRINE DISRUPTING COMPOUNDS IN HOUSE DUST, INDOOR AIR, AND WOMEN'S URINE FROM 120 HOMES. RESULTS PROVIDE THE MOST COMPREHENSIVE ASSESSMENT OF EDCs IN HOMES AND THE FIRST MEASUREMENT REPORTED FOR 30 OF THE CHEMICALS. THE STUDY IS CONDUCTED WITH COMMUNITY BASED PARTICIPATORY RESEARCH METHODS EMPHASIZING INPUT FROM AND REPORT-BACK TO COMMUNITY RESIDENTS AND STUDY PARTICIPANTS.

Followed by light refreshments