



Toxicant-Induced Alterations of Sexual Differentiation

Fall 2006 Symposium

Friday, October 27, 2006
Searle Center Lecture Hall



For more information or to register for this free event, email Eve Marion at emarion@duke.edu or call 613-8087

Registration is limited.



9:00-9:15 Welcome and Introduction

Edward D. Levin, Ph.D., Conference Organizer

9:15-10:15 Background:

Comparative Views on Vertebrate Sex Differentiation

Humphrey Hung-Chang Yao, Ph.D. Department of Veterinary Biosciences, University of Illinois

10:15-10:30 Break

10:30-11:15 Amphibians:

Atrazine-Induced Aromatase Expression is SF-1-Dependent: Implications for the Induction of Sex Reversal and Reproductive Cancers

Tyrone Hayes, Ph.D., University of California-Berkeley

11:15-12:00 Reptiles:

Contaminant-Induced Modifications of the Reptilian Reproductive System

Louis J. Guillette, Jr., Ph.D., University of Florida

12:00-1:00 Lunch

1:00-1:45 Fish:

Pharmaceuticals in the Aquatic Environment: Threats to Reproduction and Development in Fish

Glen Van Der Kraak, Ph.D., University of Guelph

1:45-2:30 Rodents:

Exposure to Anti-androgens and Disrupted Sexual Development in Rats

L. Earl Gray Jr., Ph.D., US-EPA

2:30-2:45 Break

2:45-3:30 Rodents

Developmental Organophosphate Pesticide or Marine Toxin Exposure Decrease Normal Sex Differences in Spatial Learning and Memory

Edward D. Levin, Ph.D., Duke University

3:30-4:15 Humans:

Prenatal Exposure to Phthalates and Male Reproductive Development

Shanna Swan, Ph.D., University of Rochester

4:15-4:45: Discussion