

**TERATOLOGY SOCIETY
2001 ANNUAL MEETING
MONTREAL, QUEBEC
Tentative Schedule**

February 2001

SATURDAY, 23 JUNE

13:30-17:30

and SUNDAY, 24 JUNE

08:30-12:30

EDUCATION COURSE: Principles of Teratology: Application of New Technologies Towards Understanding Abnormal Development [Organized by Kok-Wah Hew and the Education Committee]

James Schardein: Review of the principles of teratology

Tom Knudsen: Technologies to analyze teratogenic mechanisms

Simon Ward: Gene-teratogen interaction – genotype-related susceptibility during development

Phil Mirkes: Apoptosis – cell-specific susceptibility during development

Bruce Carlson: Limb development – tissue-specific susceptibility during development

John Rogers: Spatiotemporal patterns of gene expression – developmental stage-related susceptibility

Peter Wells: Reactive intermediates and abnormal development – agent-specific susceptibility

Elaine Faustman: Dose-dependent susceptibility

Bill Scott: Current knowledge of abnormal development – an overview

SUNDAY, 24 JUNE

14:00-17:00

MARCH OF DIMES SYMPOSIUM: Male-Mediated Developmental Toxicity [Organized by Barbara Hales, Andy Olshan, and Donald Mattison]

Barbara Hales: Introduction

Andy Olshan: The human story – where are we now?

Sally Perreault Darney: Detecting adverse effects on the paternal genome

Andy Wyrobek: Effects on progeny outcome – human and animal studies to elucidate mechanisms

Bernard Robaire: Are there appropriate biomarkers of paternal drug exposure that predict altered progeny outcome?

Donald Mattison: Closing remarks

17:00-19:30

EXHIBITS OPEN

17:00-18:00

ISSUES FORUM: Redesign and relaunch of the Society's journal

18:00-19:30

PRESIDENT'S RECEPTION

MONDAY, 25 JUNE

08:30-09:30

THE JOSEF WARKANY LECTURE

Philip E. Mirkes: To die, or not to die: that is the question

09:30-12:30

WILEY-LISS SYMPOSIUM: Pluripotent Stem Cells In and Out Of The Embryo [Organized by Tom Knudsen]

Peter Donovan: Overview of the biology of pluripotent stem cells

John Gearhart: Derivation and therapeutic potential of embryonic stem cells in human diseases

Horscht Spielmann: Application of embryonic stem cells as research tools to address fundamental processes in developmental toxicity

Laurie Zoloth: Issues in the bioethics of pluripotent stem cells

12:30-19:30

POSTERS AND EXHIBITS OPEN

14:00-14:45

THE JAMES G. WILSON PUBLICATION AWARD

14:45-17:00

STUDENT PLENARY SESSION

17:00-19:30

POSTER SESSION I

19:30-22:30

MARTA/MTA Student Reception

TUESDAY, 26 JUNE

09:00-12:30

NBTS/TERATOLOGY SOCIETY JOINT SYMPOSIUM:

Genetic Pathways of Neurodevelopment [Organized by
Patty Rodier and Merle Paul]

David Skuse: Turner syndrome

Maureen Dennis: Neural tube defects

Bernard Maria: Joubert syndrome

Anne S. Bassett: Velo-cardio-facial syndrome

09:30-12:30

OTIS/TERATOLOGY SOCIETY JOINT SYMPOSIUM:

Teratology of Obstetrical Procedures [Organized by
Karen Filkins]

Ron Wapner, Lew Holmes, Karen Filkins: Chorionic villus
sampling

Doug Wilson: Early amniocentesis

R.L. Berkowitz: Percutaneous umbilical artery sampling
(PUBS)

R.L. Berkowitz, Ron Wapner: Reproductive technologies
and fetal reduction procedures

Karin Blakemore: Fetal stem cell therapy and other medical
therapies

Karin Blakemore, T.M. Goodwin: Delivery complications

12:30-19:30

POSTERS AND EXHIBITS OPEN

14:00-17:00

PLATFORM SESSION 1

14:00-17:00

PLATFORM SESSION 2

17:00-19:30

POSTER SESSION II

WEDNESDAY, 27 JUNE

09:00-12:30

WORKSHOP: Teratogen Update

[Organized by Lew Holmes]

Tom Shepard: Dose-response relationships

Ken Jones: Monitoring leflunomide (Arava[®]) as a new potential teratogen

Peggy Honein: Problems with informing women adequately about teratogenic risks of isotretinoin (Accutane[®])

Lew Holmes: New candidates for the list of human teratogens

09:00-12:30

WORKSHOP: Redox Regulation in Mechanisms of Teratogenesis

[Organized by Craig Harris]

Chandan K. Sen: Cellular thiols and redox-regulated signal transcription

Craig Harris: Redox regulation of limb outgrowth in thalidomide teratogenicity

Peter Wells: Reactive oxygen species and oxidative damage in chemical teratogenesis

09:00-12:30

WORKSHOP: Foodborne Infections During Pregnancy

[Organized by Tom Flynn]

Andrew Mellor: Immunology at the maternal-fetal interface – lessons for T-cell tolerance

Mary Alice Smith: Adverse pregnancy outcome in non-human primates exposed to Listeria monocytogenes – a model for humans

Tony Scialli: Salmonella sepsis and second-trimester pregnancy loss

Jose Montoya: Toxoplasmosis during pregnancy – a silent killer

Samuel Flaxman: Evolving with our food -- an evolutionary perspective on morning sickness

Eileen Parish: Food safety issues during pregnancy

WEDNESDAY, 27 JUNE

14:00-17:00

PLATFORM SESSION 3

14:00-17:00

**PLATFORM SESSION 4
(Joint with OTIS)**

14:00-17:00

PLATFORM SESSION 5

17:00-18:00

BUSINESS MEETING

19:00-20:00

RECEPTION

20:00-

BANQUET

THURSDAY, 28 JUNE

09:00-12:00

GENOME SYMPOSIUM: Using Genomics to Study Birth Defects [Organized by Richard Finnell]

Rima Rozen: MTHFR mutations and birth defects in mice

Bill Skarnes: A genomic resource of mouse mutations in cell surface proteins

Claudia Kappen: Analysis of a genetic model for diabetic embryopathy in the mouse

Richard Finnell: Mouse models of folate transport deficiencies and their relationship to complex congenital anomalies

09:00-12:00

PUBLIC AFFAIRS SYMPOSIUM: A Report Card on FDA's Efforts to Prevent Teratogenic Birth Defects [Organized by Tina Chambers and Tom Collins]

Joseph DiGeorge: Preclinical reproductive toxicology -- "the Wedge"

Evelyn Rodriguez: Update on post-marketing surveillance

Sandra Kweder: Progress report on the pregnancy labeling revision

Tony Scialli: Monitoring the effectiveness of pregnancy prevention programs for known teratogens