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


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