THE TERATOLOGY SOCIETY

41st Annual Meeting
June 23 – 28, 2001

Le Centre Sheraton Hotel
Montréal, Québec Canada

25th Annual Meeting of The Neurobehavioral Teratology Society (NBTS)
June 24–27, 2001

and the

14th International Conference of the Organization of Teratology Information Services (OTIS)
June 23–26, 2001
41st Annual Meeting
June 23 – June 28, 2001

Program Overview

Saturday, June 23
11:30 AM – 5:00 PM
Registration
1:00 PM – 5:15 PM
Education Course
2:00 PM – 7:00 PM
Council IA Meeting

2:45 PM – 4:30 PM
Student Plenary Session
5:00 PM – 7:30 PM
Poster Session I
7:30 PM – 10:30 PM
Student Reception

Tuesday, June 26
8:15 AM – 5:00 PM
Registration
9:00 AM – 12:00 PM
NBTS/Teratology Society Joint Symposium
9:00 AM – 12:30 PM
OTIS/Teratology Society Joint Symposium
12:30 PM – 2:00 PM
Past Presidents’ Luncheon
(By Invitation Only)
12:30 PM – 7:30 PM
Posters and Exhibits Open
2:00 PM – 4:45 PM
Platform Session I
2:00 PM – 4:45 PM
Platform Session II
(Join with OTIS)
5:00 PM – 7:30 PM
Poster Session II

10:30 AM – 11:00 AM
Warkany Tea
2:00 PM – 4:45 PM
Platform Session III
2:00 PM – 4:45 PM
Platform Session IV
2:00 PM – 4:45 PM
Platform Session V
5:00 PM – 6:00 PM
Business Meeting
7:00 PM – 8:00 PM
Banquet Reception
8:00 PM
Banquet

Sunday, June 24
8:00 AM – 5:00 PM
Registration
8:00 AM – 12:30 PM
Council IB Meeting
8:15 AM – 11:30 AM
Education Course
2:00 PM – 5:00 PM
March Of Dimes Symposium
5:00 PM – 6:00 PM
Issues Forum
5:00 PM – 7:30 PM
Exhibits Open
6:00 PM – 7:30 PM
President’s Welcoming Reception

8:15 AM – 12:00 PM
Registration
9:00 AM – 12:00 PM
NBTS/Teratology Society Joint Symposium
9:00 AM – 12:30 PM
OTIS/Teratology Society Joint Symposium
12:30 PM – 2:00 PM
Past Presidents’ Luncheon (By Invitation Only)
12:30 PM – 7:30 PM
Posters and Exhibits Open
2:00 PM – 4:45 PM
Platform Session I
2:00 PM – 4:45 PM
Platform Session II
(Join with OTIS)
5:00 PM – 7:30 PM
Poster Session II

Monday, June 25
7:45 AM – 5:00 PM
Registration
8:15 AM – 8:30 AM
President’s Welcome
8:30 AM – 9:30 AM
The Josef Warkany Lecture
9:30 AM – 12:30 PM
Wiley-Liss Symposium
12:30 PM – 7:30 PM
Posters and Exhibits Open
2:00 PM – 2:45 PM
The James G. Wilson Publication Award

8:15 AM – 3:00 PM
Registration
9:00 AM – 12:30 PM
Teratogen Update Workshop
9:00 AM – 12:30 PM
Redox Regulation in Mechanisms of Teratogenesis Workshop
9:00 AM – 12:30 PM
Foodborne Infections During Pregnancy Workshop

Wednesday, June 27
10:30 AM – 11:00 AM
Warkany Tea
2:00 PM – 4:45 PM
Platform Session III
2:00 PM – 4:45 PM
Platform Session IV
2:00 PM – 4:45 PM
Platform Session V
5:00 PM – 6:00 PM
Business Meeting
7:00 PM – 8:00 PM
Banquet Reception
8:00 PM
Banquet

Thursday, June 28
8:15 AM – 12:00 PM
Registration
9:00 AM – 12:00 PM
Genome Symposium
9:00 AM – 12:00 PM
Public Affairs Symposium
12:15 PM – 1:30 PM
James G. Wilson and F. Clarke Fraser Awards Luncheon
1:30 PM – 4:00 PM
Council II Meeting

(Date indicates year of expiration of term or office)

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Saturday, June 23

Coffee and breakfast on your own

11:30 AM – 5:00 PM  REGISTRATION—FOYER SALON DE BAL (BALLROOM FOYER)

1:00 PM – 5:15 PM  EDUCATION COURSE—SALLE DE BAL EST (EAST BALLROOM)
Principles of Teratology: Application of New Technologies Towards Understanding Abnormal Development

Organized by Kok-Wah Hew, Nonclinical Drug Safety Evaluation, Purdue Pharma, L.P., Ardsley, New York, and the Education Committee

Course Syllabus produced in-part by Eli Lilly and Company

1:00 PM – 1:05 PM  WELCOME—Robert Kavlock, President, Teratology Society

1:05 PM – 1:10 PM  INTRODUCTION—Kok-Wah Hew, Chairman, Education Committee

1:15 PM – 2:00 PM  A REVIEW OF THE PRINCIPLES OF TERATOLOGY: THE FOUNDATION TO NEW MECHANISTIC TECHNOLOGIES
Speaker: James Schardein, Mansfield, Ohio

2:00 PM – 2:45 PM  TECHNOLOGIES TO ANALYZE TERATOGENIC MECHANISMS
Speaker: Thomas Knudsen, Department of Pathology, Anatomy & Cell Biology, Thomas Jefferson University, Philadelphia, Pennsylvania

2:45 PM – 3:30 PM  GENE-TERATOGEN INTERACTION: GENOTYPE-RELATED SUSCEPTIBILITY DURING DEVELOPMENT
Speaker: Simon Ward, Division of Genomic Medicine, Royal Hallamshire Hospital, University of Sheffield Medical School, Sheffield, S. Yorks, United Kingdom

3:30 PM – 3:45 PM  BREAK

3:45 PM – 4:30 PM  APOPTOSIS: CELL-SPECIFIC SUSCEPTIBILITY DURING DEVELOPMENT
Speaker: Philip E. Mirkes, Department of Pediatrics, University of Washington, Seattle, Washington

4:30 PM – 5:15 PM  LIMB DEVELOPMENT: UNTYING THE GORDIAN KNOT WITH NEW IDEAS AND TECHNOLOGIES
Speaker: Bruce Carlson, Institute of Gerontology, University of Michigan, Ann Arbor, Michigan

2:00 PM – 7:00 PM  COUNCIL IA MEETING—SALON 3
Coffee and breakfast on your own

8:00 AM – 5:00 PM  REGISTRATION—FOYER SALON DE BAL (BALLROOM FOYER)
8:00 AM – 12:30 PM  COUNCIL IB MEETING—SALON 3
7:30 AM – 8:15 AM  EDUCATION COURSE CONTINENTAL BREAKFAST
8:15 AM – 11:30 PM  EDUCATION COURSE (CONTINUED FROM SATURDAY)—SALLE DE BAL EST (EAST BALLROOM)

8:15 AM – 9:00 AM  SPATIOTEMPORAL PATTERNS OF GENE EXPRESSION: DEVELOPMENTAL STAGE-RELATED SUSCEPTIBILITY
Speaker: John Rogers, Reproductive Teratology Division, USEPA, Research Triangle Park, North Carolina

9:00 AM – 9:45 AM  REACTIVE INTERMEDIATES AND ABNORMAL DEVELOPMENT: AGENT-SPECIFIC SUSCEPTIBILITY
Speaker: Peter Wells, University of Toronto, Toronto, Ontario

9:45 AM – 10:00 AM  BREAK

10:00 AM – 10:45 AM  REVISITING DOSE-DEPENDENT RELATIONSHIPS FOR TERATOGENS
Speaker: Elaine Faustman, Department of Environmental Health, University of Washington, Seattle, Washington

10:45 AM – 11:30 AM  CURRENT KNOWLEDGE OF ABNORMAL DEVELOPMENT: AN OVERVIEW
Speaker: William Scott, Children’s Hospital Research Foundation, University of Cincinnati, Cincinnati, Ohio

11:30 AM – 2:00 PM  Lunch on your own
2:00 PM – 5:00 PM  MARCH OF DIMES SYMPOSIUM—SALLE DE BAL OUEST (WEST BALLROOM)

Male-Mediated Developmental Toxicity
Organized by Barbara Hales, Department of Pharmacology and Therapeutics, McGill University, Montréal, Québec, Andrew F. Olshan, Department of Epidemiology, School of Public Health, University of North Carolina, Chapel Hill, North Carolina, and Donald Mattison, Medical Director, March of Dimes, White Plains, New York

2:00 PM – 2:10 PM  INTRODUCTION
Barbara Hales

2:10 PM – 2:45 PM  S1 THE HUMAN STORY—WHERE ARE WE NOW?
Speaker: Andrew F. Olshan, Department of Epidemiology, School of Public Health, University of North Carolina, Chapel Hill, North Carolina

2:45 PM – 3:20 PM  S2 DETECTING ADVERSE EFFECTS ON THE PATERNAL GENOME
Speaker: Sally Perreault Darney, Reproductive Toxicology Division, USEPA, Research Triangle Park, North Carolina

3:20 PM – 3:40 PM  BREAK
3:40 PM – 4:15 PM  S3  EFFECTS ON PROGENY OUTCOME—HUMAN AND ANIMAL STUDIES TO ELUCIDATE MECHANISMS  
Speaker: Andrew J. Wyrobek, Biology and Biotechnology Research Program, Lawrence Livermore National Laboratory, Livermore, California

4:15 PM – 4:50 PM  S4  ARE THERE APPROPRIATE BIOMARKERS OF PATERNAL DRUG EXPOSURE THAT PREDICT ALTERED PROGENY OUTCOME?  
Speaker: Bernard Robaire, Department of Pharmacology and Therapeutics, McGill University, Montréal, Québec

4:50 PM – 5:00 PM  CLOSING REMARKS  
Donald Mattison, Medical Director, March of Dimes, White Plains, New York

5:00 PM – 6:00 PM  ISSUES FORUM—SALLE DE BAL OUEST (WEST BALLROOM)  
Redesign and Relaunch of the Society’s Journal

5:00 PM – 7:30 PM  EXHIBITS OPEN—SALLE DE BAL CENTRE (CENTER BALLROOM)

6:00 PM – 7:30 PM  PRESIDENT’S WELCOMING RECEPTION—SALLE DE BAL CENTRE (CENTER BALLROOM)

Monday, June 25

Coffee and breakfast on your own

7:45 AM – 5:00 PM  REGISTRATION—FOYER SALON DE BAL (BALLROOM FOYER)

8:15 AM – 8:30 AM  PRESIDENT’S WELCOME AND INTRODUCTION—SALLE DE BAL OUEST (WEST BALLROOM)  
Robert J. Kavlock

8:30 AM – 9:30 AM  THE JOSEF WARKANY LECTURE—SALLE DE BAL OUEST (WEST BALLROOM)  
To Die, Or Not To Die: That is the Question  
Philip E. Mirkes, Department of Pediatrics, University of Washington, Seattle, Washington

9:30 AM – 12:30 PM  WILEY-LISS SYMPOSIUM—SALLE DE BAL OUEST (WEST BALLROOM)  
Pluripotent Stem Cells In and Out of the Embryo  
Organized by Tom Knudsen, Jefferson Medical College, Philadelphia, Pennsylvania

Sponsored by: John Wiley & Sons, Inc.

9:30 AM – 10:30 AM  S5  OVERVIEW OF THE BIOLOGY OF PLURIPOTENT STEM CELLS OVERVIEW  
Speaker: Peter Donovan, Kimmel Cancer Center, Thomas Jefferson University, Philadelphia, Pennsylvania

10:30 AM – 10:50 AM  BREAK

10:50 AM – 11:40 AM  S6  APPLICATION OF EMBRYONIC STEM CELLS AS RESEARCH TOOLS TO ADDRESS FUNDAMENTAL PROCESSES IN DEVELOPMENTAL TOXICITY  
Speaker: Horscht Spielmann, ZEBET, Berlin, Germany
11:40 AM – 12:30 PM S7 ISSUES IN THE BIOETHICS OF PLURIPOTENT STEM CELLS
Speaker: Laurie Zoloth, College of Humanities, San Francisco State University, San Francisco, California

12:30 AM – 2:00 PM Lunch on your own
12:30 PM – 7:30 PM POSTERS AND EXHIBITS OPEN—SALLE DE BAL CENTRE (CENTER BALLROOM)
2:00 PM – 2:45 PM THE JAMES G. WILSON PUBLICATION AWARD—SALLE DE BAL OUEST (WEST BALLROOM)
2:45 PM – 4:30 PM STUDENT PLENARY SESSION—SALLE DE BAL OUEST (WEST BALLROOM)
Chairpersons: Craig Harris, Toxicology Program, University of Michigan, Ann Arbor, Michigan, and Kimberly Brannen, University of North Carolina/USEPA, Research Triangle Park, North Carolina

2:45 PM – 3:00 PM 1 NON-ACIDEMIC ISCHEMIA—THE FETAL NEUROLOGICAL TERATOGEN
R. Quintero and B.S. Schifrin, Department of Obstetrics & Gynecology, Glendale Adventist Medical Center, Glendale, California

3:00 PM – 3:15 PM 2 REGULATION OF THE C-JUN MITOGEN-ACTIVATED PROTEIN KINASE PATHWAY IN HYPERTERMIA-EXPOSED DAY 9 MOUSE EMBRYOS
F.M. Bautista, L.C. Cornel, S.A. Little, and P.E. Mirkes, University of Washington, Seattle, Washington

3:15 PM – 3:30 PM BREAK

3:30 PM – 3:45 PM 3 PAX3: CONTROL OF DNA BINDING BY REDOX STATUS, METALS AND NITROGEN OXIDE SPECIES
A.F. Machado and M.D. Collins, UCLA, Los Angeles, California

3:45 PM – 4:00 PM 4 PREVENTION OF RETINOIC ACID-INDUCED CLEFT PALATE IN MICE BY SEPARATE OR CONCOMITANT ADMINISTRATION OF FOLATE AND METHIONINE
P.R. Reynolds, G.B. Schaalje and R.E. Seegmiller, BYU, Provo, Utah

4:00 PM – 4:15 PM 5 AN OXYGEN SENSING SWITCH FOR EMBRYONIC REGULATION OF MITOCHONDRIAL BIOGENESIS
M.F. O’Hara, J.H. Charlap, R.C. Craig and T.B. Knudsen, Department of Pathology, Anatomy and Cell Biology, Jefferson Medical College, Philadelphia, Pennsylvania

4:15 PM – 4:30 PM 6 EXPRESSION OF URACIL DNA GLYCOYLASE, A DNA REPAIR ENZYME, IN THE ORGANOGENESIS-STAGE RAT CONCEPTUS.
K. Vinson and B.F. Hales, McGill University, Montréal, Canada
5:00 PM – 7:30 PM  POSTER SESSION I—SALLE DE BAL CENTRE (CENTER BALLROOM)
Teratology Society Posters 1-34; NBTS Posters 20-35
Supported by: Novartis Pharmaceuticals Corporation

7:30 PM – 10:30 PM  STUDENT RECEPTION—SALON 1
Supported by: Pfizer, Inc., Aventis Pharmaceutical, Inc., Pharmacia & Upjohn Corp., MTA and MARTA

Tuesday, June 26

Coffee and breakfast on your own

8:15 AM – 5:00 PM  REGISTRATION—FOYER SALON DE BAL (BALLROOM FOYER)
9:00 AM – 12:00 PM  NBTS/TERATOLOGY SOCIETY JOINT SYMPOSIUM—SALLE DE BAL OUEST (WEST BALLROOM)
Old Birth Defects and New Insights into Brain Development
Organized by Patty Rodier, Department of Obstetrics & Gynecology, University of Rochester, Rochester, New York, and Merle Paule, Arkansas Children’s Hospital, Little Rock, AR

9:00 AM – 9:10 AM  INTRODUCTION
Patty Rodier

9:10 AM – 9:50 AM  S8 NEUROBEHAVIOURAL CONSEQUENCES OF X-CHROMOSOME DELETIONS: IMPLICATIONS FOR AUTISM
Speaker: D.H. Skuse, S. Thomas, J. Kuntsi, K. Elgar, and P.A. Jacobs, Behavioural Sciences Unit, London, United Kingdom; and Wessex Regional Genetics Laboratory, Salisbury, United Kingdom

9:50 AM – 10:30 AM  S9 COGNITIVE PHENOTYPE IN CHILDREN WITH SPINA BIFIDA AND HYDROCEPHALUS
Speaker: M. Dennis, Department of Psychology, The Hospital for Sick Children Toronto, Ontario

10:50 AM – 11:20 AM  S10 ON THE RELATION BETWEEN HINDBRAIN MALDEVELOPMENT, CLINICAL FEATURES, AND NEUROBEHAVIOR IN JOUBERT SYNDROME AND DANDY-WALKER SYNDROME
Speaker: B.L. Maria, Department of Pediatrics, Neurology and Neuroscience, University of Florida College of Medicine, Gainesville, Florida

11:20 AM – 12:00 PM  S11 PSYCHIATRIC ILLNESSES IN ADULTS WITH 22Q DELETION SYNDROME
Speaker: A.S. Bassett, Dept. of Psychiatry, Centre for Addiction & Mental Health and University of Toronto, Toronto, Canada
9:00 AM – 12:30 PM OTIS/TERATOLOGY SOCIETY JOINT SYMPOSIUM—SALON A

Teratology of Obstetrical Procedures

Organized by Karen Filkins, Department of Obstetrics and Gynecology, UCLA School of Medicine, Los Angeles, California

9:00 AM – 9:15 AM INTRODUCTION
Karen Filkins

9:15 AM – 10:00 AM S12 CHORIONIC VILLUS SAMPLING
Speakers: Lew Holmes1, and Karen Filkins2. 1Genetics and Teratology Unit, Massachusetts General Hospital, Boston, Massachusetts; and 2Department of Obstetrics and Gynecology, UCLA School of Medicine, Los Angeles, California

10:00 AM – 10:30 AM S13 EARLY AMNIOCENTESIS
Speaker: Douglas Wilson, Department of Obstetrics and Gynecology, Children’s & Women’s Hospital, University of British Columbia, Vancouver, British Columbia

10:30 AM – 10:45 AM BREAK

10:45 AM – 11:15 AM S14 PERCUTANEOUS UMBILICAL ARTERY SAMPLING (PUBS), REPRODUCTIVE TECHNOLOGIES, AND FETAL REDUCTION PROCEDURES
Speaker: Ron Wapner, MCP Hahnemann School of Medicine, MCP Hahnemann University, Philadelphia, Pennsylvania

11:15 AM – 11:30 AM S15 FETAL SURGERY
Speaker: Karen Filkins, Department of Obstetrics and Gynecology, UCLA School of Medicine, Los Angeles, California

11:30 AM – 12:00 PM S16 BRACHIAL PLEXUS INJURY: AN IN UTERO PHENOMENON
Speaker: T.M. Goodwin, Maternal Fetal Medicine, University of Southern California, Los Angeles, California

12:00 PM – 12:30 PM S17 CONDUCT OF THE SECOND STAGE OF LABOR: OBSTETRICAL CHOICES AND THE RISK OF NEUROLOGIC INJURY
Speaker: Barry Schifrin, Tarzana, California

12:30 AM – 2:00 PM Lunch on your own

12:30 PM – 2:00 PM PAST PRESIDENTS’ LUNCHEON—SALON 3
(By Invitation Only)

12:30 PM – 7:30 PM POSTERS AND EXHIBITS OPEN—SALLE DE BAL CENTRE
(CENTER BALLROOM)
Mechanisms of Abnormal Development
Chairpersons: Devendra Kochhar, Thomas Jefferson University, Philadelphia, Pennsylvania, and George Daston, Miami Valley Laboratories, Procter & Gamble, Cincinnati, Ohio

2:00 PM – 2:15 PM 7 RETINOIC ACID (RA) REGULATION OF GENES INVOLVED IN THE INDUCTION OF PROXIMODISTAL LIMB REDUCTION DEFECTS, AS ANALYZED BY MICROARRAY R. Cimildoro1, P. Qiu2, D.R. Soprano2 and D.M. Kochhar1. 1Thomas Jefferson University, Philadelphia, Pennsylvania; 2Temple University School of Medicine, Philadelphia, Pennsylvania

2:15 PM – 2:30 PM 8 LOCALIZATION OF RETINOIC ACID-INDUCED APOPTOSIS IN THE ORGANOGENESIS STAGE MOUSE LIMB BUD S.E. Ali-Khan and B.F. Hales, McGill University, Montréal, Québec, Canada

2:30 PM – 2:45 PM 9 IN UTERO VALPROIC ACID EXPOSURE ALTERS HOXA1 EXPRESSION IN THE RAT EMBRYO: MECHANISM OF TERATOGENICITY AND RELATIONSHIP TO AUTISM C. Stodgell, J. Ingram, S. Gnall, and P. Rodier, University of Rochester, Rochester, New York


3:15 PM – 3:30 PM BREAK

3:30 PM – 3:45 PM 12 DEFECTIVE SIALYLATION IN SP2H MUTANT EMBRYOS K. Glogarova and D. Buckiova, Institute of Experimental Medicine, Academy of Sciences of the Czech Republic, Prague, Czech Republic

3:45 PM – 4:00 PM 13 CU DEFICIENCY INDUCES OXIDATIVE DAMAGE IN MOUSE EMBRYOS L. Lanoue, M.E. Beckers, C.L. Keen, R.B. Rucker and J.Y. Uriu-Adams, Nutrition Department, University of California at Davis, Davis, California

4:00 PM – 4:15 PM 14 CASPASE-3-INDUCED AUGMENTATION OF THE INTRINSIC, MITOCHONDRIAL APOPTOTIC PATHWAY S.A. Little and P.E. Mirkes, University of Washington, Seattle, Washington
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
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<tr>
<td>4:15 PM – 4:30 PM</td>
<td>15 TERATOGEN-INDUCED ACTIVATION OF CASPASE-6 AND CASPASE-7 IN DAY 9 MOUSE EMBRYOS</td>
<td>S.A. Little and P.E. Mirkes, University of Washington, Seattle, Washington</td>
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<td>4:30 PM – 4:45 PM</td>
<td>16 ARSENIC-INDUCED NEURAL TUBE DEFECTS IN A C57BL/6J SPLITCH HETEROZYGGOTE CROSS</td>
<td>L.J. Martin, M.A. Loza, A.F. Machado, and M.D. Collins, UCLA, Los Angeles, California</td>
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<td>2:00 PM – 4:45 PM</td>
<td>2:15 PM REPORT OF FIRST POSITIVE FINDINGS FROM HOSPITAL-BASED AED PREGNANCY REGISTRY</td>
<td>L.B. Holmes and E. Lieberman, For the Scientific Advisory Committee of the AED (antiepileptic drug) Pregnancy Registry, Genetics and Teratology Unit, Pediatric Service, Massachusetts General Hospital, Boston, Massachusetts</td>
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<td>2:15 PM – 2:30 PM</td>
<td>18 GENOTYPE AND GENE TRANSMISSION IN FAMILIES WITH EITHER AUTISM SPECTRUM DISORDERS (ASDS) OR JUVENILE DIABETES (JD)</td>
<td>C. Stodgell, L. Weitkamp, S. Hyman, H. Fong, M. O’Bara, and P. Rodier, University of Rochester, Rochester, New York</td>
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<td>2:30 PM – 2:45 PM</td>
<td>19 EXCESS VARIANCE OF SUBCORTICAL BRAIN SHAPE IN FETAL ALCOHOL SPECTRUM DISORDERS: AN ANALYSIS BY LANDMARK LOCATION DATA</td>
<td>F.L. Bookstein1, P.D. Sampson1, P.D. Connor1, and A.P. Streissguth2. 1University of Michigan, Ann Arbor, Michigan; 2University of Washington, Seattle, Washington</td>
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<td>2:45 PM – 3:00 PM</td>
<td>20 MORPHOMETRIC DIAGNOSIS OF FETAL ALCOHOL SPECTRUM DISORDERS BY CALLOSAL SHAPE</td>
<td>F.L. Bookstein1, P.D. Sampson1, P.D. Connor1, and A.P. Streissguth2. 1University of Michigan, Ann Arbor, Michigan; 2University of Washington, Seattle, Washington</td>
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<td>3:00 PM – 3:15 PM</td>
<td>21 IN UTERO HIV-1 INFECTION: ROLE OF PLACENTAL INFECTION</td>
<td>R.K. Miller1, B.M. Polliotti1, T.S. Laughlin1, and M. Carneiro2. 1Obs/Gyn, University of Rochester, Rochester, New York; 2Maternidad Conception Palacios, Caracas, Venezuela</td>
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<td>3:15 PM – 3:30 PM</td>
<td>BREAK</td>
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3:30 PM – 3:45 PM 22 EFFECT OF PERICONCEPTIONAL FOLIC ACID ON PHENOTYPES OF NEURAL TUBE DEFECTS—SINO-U.S. NTD PREVENTION PROJECT
C.A. Moore¹, Z. Li¹, R.J. Berry¹, S. Li¹, J.D. Erickson¹, S.X. Hong¹, and A. Correa¹. ¹Birth Defects and Genetic Diseases Branch, Centers for Disease Control and Prevention, Atlanta, Georgia; ²National Center for Maternal and Infant Health, Peking University, Beijing, China

3:45 PM – 4:00 PM 23 COLD SORES AND OROFACIAL CLEFTS
P.A. Romitti, J.C. Murray, S. Daack-Hirsch and T.L. Burns, University of Iowa, Iowa City, Iowa

4:00 PM – 4:15 PM 24 RISING TREND IN GASTROSCHISIS AMONG YOUNGER MOTHERS IN AUSTRALIA
P.A.L. Lancaster and T. Hurst, AIHW National Perinatal Statistics Unit, Sydney Children’s Hospital and The University of New South Wales, Sydney, Australia

4:15 PM – 4:30 PM 25 NON-SYNDROMIC OROFACIAL CLEFTS AMONG THE OFFSPRING OF WOMEN WHO CONSUMED FOLIC ACID DURING EARLY PREGNANCY—SINO-U.S. NTD PREVENTION PROJECT
Z. Li¹, R.J. Berry¹, S. Li¹, C.A. Moore², S.X. Hong¹, L.Y. Wong¹, and J. Gindler¹. ¹National Center for Maternal and Infant Health, Peking University, Beijing, China; ²Birth Defects and Genetic Diseases Branch, Centers for Disease Control and Prevention, Atlanta, Georgia

4:30 PM – 4:45 PM 26 PREVENTION OF BIRTH DEFECTS AMONG WOMEN WHO CONSUMED FOLIC ACID SUPPLEMENTS DURING EARLY PREGNANCY—SINO-U.S. NTD PREVENTION PROJECT
M.F. Myers¹, Z. Li¹, A. Correa¹, S. Li¹, R.J. Berry¹, S.X. Hong¹, C.A. Moore¹, H. Wong¹, and D.J. Erickson¹. ¹Birth Defects and Genetic Diseases Branch, Centers for Disease Control and Prevention, Atlanta, Georgia; ²National Center for Maternal and Infant Health, Peking University, Beijing, China

5:00 PM – 7:30 PM POSTER SESSION II—SALLE DE BAL CENTRE (CENTER BALLROOM)
Teratology Society Posters 35–65; NBTS Posters 46–61
Coffee and breakfast on your own

8:15 AM – 3:00 PM  REGISTRATION—FOYER SALON DE BAL (BALLROOM FOYER)

9:00 AM – 12:30 PM  TERATOGEN UPDATE WORKSHOP—SALON B
Organized by Lew Holmes, Genetics & Teratology Unit, Massachusetts General Hospital, Boston, Massachusetts

9:00 AM – 9:45 AM  W1  DOSE-RESPONSE RELATIONSHIPS
Speaker: Tom Shepard, Central Lab for Human Embryology, Department of Pediatrics, University of Washington, Seattle, Washington

9:45 AM – 10:30 AM  W2  MONITORING LEFLUNOMIDE (ARAVA®) AS A NEW POTENTIAL TERATOGEN
Speaker: Ken Jones, Department of Pediatrics, University of California at San Diego Medical Center, San Diego, California

10:30 AM – 11:00 AM  WARKANY TEA—FOYER SALON DE BAL (BALLROOM FOYER)

11:00 AM – 11:45 AM  W3  PROBLEMS WITH INFORMING WOMEN ADEQUATELY ABOUT TERATOGENIC RISKS OF ISOTRETINOIN (ACUTANE®)
Speaker: Peggy Honein, Birth Defects & Pediatric Genetics Branch, Centers for Disease Control, Atlanta, Georgia

11:45 AM – 12:30 PM  W4  NEW CANDIDATES FOR THE LIST OF HUMAN TERATOGENS
Speaker: Lew Holmes, Genetics & Teratology Unit, Massachusetts General Hospital, Boston, Massachusetts

9:00 AM – 12:30 PM  REDOX REGULATION IN MECHANISMS OF TERATOGENESIS WORKSHOP—SALON A
Organized by Craig Harris, Toxicology Program, University of Michigan, Ann Arbor, Michigan

9:00 AM – 9:10 AM  INTRODUCTION
Craig Harris

9:10 AM – 10:30 AM  W5  CELLULAR THIOLS AND REDOX-REGULATED SIGNAL TRANSCRIPTION
Speaker: Chandan K. Sen, The Ohio State University Medical Center, Columbus, Ohio

10:30 AM – 11:00 AM  WARKANY TEA—FOYER SALON DE BAL (BALLROOM FOYER)

11:00 AM – 11:45 AM  W6  REDOX REGULATION OF LIMB OUTGROWTH IN THALIDOMIDE TERATOGENICITY
Speaker: Craig Harris, Toxicology Program, University of Michigan, Ann Arbor, Michigan

11:45 AM – 12:30 PM  W7  REACTIVE OXYGEN SPECIES AND OXIDATIVE DAMAGE IN CHEMICAL TERATOGENESIS
Speaker: Peter Wells, University of Toronto, Toronto, Ontario
Wednesday Continued

9:00 AM – 12:30 PM FOODBORNE INFECTIONS DURING PREGNANCY WORKSHOP—SALLE DE BAL OUEST (WEST BALLROOM)
Organized by Tom Flynn, U.S. Food and Drug Administration, Laurel, Maryland

9:00 AM – 9:30 AM W8 IMMUNOLOGY AT THE MATERNAL-FETAL INTERFACE—LESSONS FOR T-CELL TOLERANCE
Speaker: Andrew Mellor, Institute of Molecular Medicine and Genetics, Medical College of Georgia, Augusta, Georgia

9:30 AM – 10:00 AM W9 ADVERSE PREGNANCY OUTCOME IN NON-HUMAN PRIMATES EXPOSED TO LISTERIA MONOCYTOGENES—A MODEL FOR HUMANS
Speaker: Mary Alice Smith, University of Georgia, Athens, Georgia

10:00 AM – 10:30 AM W10 SALMONELLA SEPSIS AND SECOND-TRIMESTER PREGNANCY LOSS
Speaker: Tony Scialli, Department of Obstetrics & Gynecology, Georgetown University Medical Center, Washington, D.C.

10:30 AM – 11:00 AM WARKANY TEA—FOYER SALON DE BAL (BALLROOM FOYER)

11:00 AM – 11:30 AM W11 TOXOPLASMOSIS DURING PREGNANCY—A SILENT KILLER
Speaker: Jose Montoya, Department of Medicine, Stanford University School of Medicine, Stanford, California

11:30 AM – 12:00 PM W12 EVOLVING WITH OUR FOOD—AN EVOLUTIONARY PERSPECTIVE ON MORNING SICKNESS
Speaker: Samuel Flaxman, Department of Neurobiology and Behavior, Cornell University, Ithaca, New York

12:00 PM – 12:30 PM W13 FOOD SAFETY ISSUES DURING PREGNANCY
Speaker: Eileen Parish, Center for Food Safety and Applied Nutrition, USFDA, Washington, D.C.

12:30 AM – 2:00 PM Lunch on your own

2:00 PM – 4:45 PM PLATFORM SESSION III—SALLE DE BAL OUEST (WEST BALLROOM)
Mechanisms of Abnormal Development
Chairpersons: Philip E. Mirkes, Department of Pediatrics, University of Washington, Seattle, Washington, and Barbara Abbott, Reproductive Toxicology Division, USEPA, Research Triangle Park, North Carolina

2:00 PM – 2:15 PM 27 TERATOGENIC RESPONSES OF TGFA KNOCKOUT FETUSES TO 2,3,7,8-TETRAHCLORODIBENZO-P-DIOXIN (TCDD)
B.D. Abbott¹, A.R. Buckalew², and P.L. Bryant³.
¹Reproductive Toxicology Division, EPA, Research Triangle Park, North Carolina; ²Dept. Environ. Sciences & Engineering, UNC, Chapel Hill, North Carolina
EXPRESSION OF TGFβ AND ECM PROTEINS IN EMBRYONIC MOUSE HEARTS EXPOSED TO HYPERGLYCEMIA IN VIVO AND IN VITRO
R.L. Leonard, D.J. Williams, and I.W. Smoak, Department of Anatomy, Physiological Sciences, & Radiology, College of Veterinary Medicine, NCSU, Raleigh, North Carolina

EFFECTS OF LOW AND HIGH DOSE BISPHENOL A AND 17β-ESTRADIOL PRENATAL EXPOSURE ON ESTROGEN RECEPTORS
G. Schoenfelder, B. Flick, L. Mayr, C. Talsness, M. Paul and I. Chahoud, Inst. of Clinical Pharmacology and Toxicology, Benjamin Franklin Medical Center, FU Berlin, Germany

MANDIBULAR REPATTERNING RESULTS FROM IN UTERO ANTAGONISM OF ENDOTHELIN RECEPTORS IN MICE
K.C. Brannen1,2, E.S. Hunter1,2, M.B. Rosen1, and J.M. Rogers1,2. 1Curriculum in Toxicology, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina; 2Reproductive Toxicology Division, NHEERL, USEPA, Research Triangle Park, North Carolina

HALOACETIC ACIDS AND KINASE INHIBITORS PERTURB MOUSE NEURAL CREST CELLS IN VITRO
E.S. Hunter1, J. Smith2, J. Andrews1. 1Reproductive Toxicology Division, NHEERL, USEPA, Research Triangle Park, North Carolina; 2Department of Cell and Developmental Biology, UNC-CH, Chapel Hill, North Carolina

BREAK

ROLE OF TOTAL RADICAL ANTIOXIDANT POTENTIAL IN VALPROATE INDUCED CONGENITAL MALFORMATIONS
M. Tariq, Arshaduddin, M., K. Al Moutaery and S. Al Deeb, Armed Forces Hospital, Riyadh, Saudi Arabia

ADHD—ASSESSMENT OF NEONATAL THYROXINE AS A BIOMARKER
S.H. Lammi1, A. Nandedkar1, K. Japal2, S. Mosee2, M. Stein1, P. Magrab1, S. Lai1, S. Chang1, and O.P. Soldin1. 1Consultants in Epidemiology and Occupational Health, Inc., Washington, DC; 2Howard University, Washington, DC; 3Children’s National Medical Center, Washington, DC; 4Georgetown University; Washington, DC; and 5Johns Hopkins School of Hygiene and Public Health, Baltimore, Maryland
Wednesday Continued

4:00 PM – 4:15 PM  34  ADVERSE PRE- AND POSTNATAL EVENTS REPORTED TO FDA IN ASSOCIATION WITH MATERNAL ATENOLOL TREATMENT IN PREGNANCY
S. Tabacova1, C.A. McCloskey2 and C.A. Kimmel3.
1National Center for Toxicological Research, FDA Rockville, Maryland; 2Center for Drug Evaluation and Research, FDA, Rockville, Maryland; and 3National Center for Environmental Assessment, USEPA, Washington, D.C.

4:15 PM – 4:30 PM  35  EFFECT OF IN UTERO EXPOSURE OF DIOXIN ON DEVELOPMENT OF YOUNG IN Rhesus Monkeys
M. Yasuda1, K. Yamashita1, K.A. Matsui1, T. Ibara1, A. Oneda1, M. Inouye2, R. Nagata2, T. Takasuga3, and S. Kubota4. 1Hiroshima University School of Medicine, Hiroshima; 2Shin Nippon Biomedical Laboratories, Ltd., Kagoshima; 3Shimadzu-Techno-Research Inc., Kyoto; and 4Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

4:30 PM – 4:45 PM  36  CRANIOFACIAL MALFORMATIONS OBSERVED IN F1 PUPS OF SPRAGUE-DAWLEY (SD) RATS ADMINISTERED PROPYLTHIOURACIL (PTU) IN DRINKING WATER
L. Nehrebecky1, Y. Wang1, J. Quance2, J. Kariya3, G.W. Wolfe1, and J. Bishop4. 1TherImmune Research Corporation, Gaithersburg, Maryland; 2PAI, Frederick, Maryland; 3USEPA, Washington, DC; 4NIEHS/NTP, Research Triangle Park, North Carolina

2:00 PM – 4:45 PM  PLATFORM SESSION IV—SALON A
Clinical Teratology and Epidemiology

Chairpersons: Gidoen Koren, Hospital for Sick Children, Toronto, Ontario, Canada, and Claudine Torfs, Public Health Institute, Berkeley, California

2:00 PM – 2:15 PM  37  RISK OF MALFORMATION AND DEVELOPMENTAL DELAY IN A COHORT OF CHILDREN AND ADULTS EXPOSED TO ANTI-EPILEPTIC DRUGS IN UTERO
J.C.S. Dean1, S.J. Moore2, P.D. Turnpenny1, H. Hailey1, and D.J. Lloyd1. 1Department of Medical Genetics, University of Aberdeen, Scotland; 2Newfoundland and Labrador Medical Genetics Program, Memorial University of Newfoundland, St Johns, Newfoundland; 3Clinical Genetics Service, Royal Devon and Exeter Hospital, Exeter, England

2:15 PM – 2:30 PM  38  STUDY OF PLACENTA OF CHILDREN BORN WITH CONGENITAL MALFORMATIONS
C. Stoll, Y. Alembik, B. Dott, and M.P. Roth, Génétique Médicale, Centre Hospitalo-Universitaire, Strasbourg, France
2:30 PM – 2:45 PM
A PROSPECTIVE STUDY OF ALCOHOL EXPOSURE DURING PREGNANCY: CORRELATION OF QUANTITY WITH FREQUENCY OF FEATURES CHARACTERISTIC OF FAS
C.D. Chambers, L. M. Dick, R.J. Felix, K.A. Johnson and K.L. Jones, UCSD, La Jolla, California

2:45 PM – 3:00 PM
ABSENCE OR REDUCTION OF SPECIFIC ARTERIES ASSOCIATED WITH CONGENITAL VERTICAL TALUS AND CLUBFOOT DEFORMITIES
D.R. Hootnick1,2,3, D.S. Packard, Jr., and E.M. Levinson1. 1Department of Cell and Developmental Biology, 2Department of Pediatrics, 3Department of Orthopedic Surgery, Upstate Medical University, Syracuse, New York; 4Department of Medical Imaging, Crouse Hospital, Syracuse, New York

3:00 PM – 3:15 PM
THE LONGITUDINAL COHORT STUDY OF ENVIRONMENTAL EFFECTS ON CHILD HEALTH AND DEVELOPMENT
C.A. Kimmel for the Longitudinal Cohort Study (LCS) Interagency Coordinating Committee. National Center for Environmental Assessment, U.S. Environmental Protection Agency, Washington, DC.

3:15 PM – 3:30 PM
BREAK

3:30 PM – 3:45 PM
DOSE RESPONSE TO DICLECTIN® IN HUMAN PREGNANCIES
G. Atanackovic1, Y. Navoiz2, M. Moretti2 and G. Koren1. 1Duchesnay Inc., Laval, Canada; 2The Motherisk Program, The Hospital for Sick Children, Toronto, Canada

3:45 PM – 4:00 PM
PREGNANCY OUTCOME FOLLOWING GESTATIONAL EXPOSURE TO LORATADINE AND OTHER ANTIHISTAMINES: A PROSPECTIVE CONTROLLED COHORT STUDY
O. Diav-Citrin1, S. Shechtman1, L. Moerman1, J. Arnon1, R. Wajnberg1 and A. Ornoy1,2. 1The Israeli Teratogen Information Service, Israel Ministry of Health; and the 2Hebrew University Hadassah Medical School, Jerusalem, Israel

4:00 PM – 4:15 PM
MÖBIUS SYNDROME/SEQUENCE: A SUMMARY OF A BRAZIL STUDY
M.T. Miller1 and L. Ventura1. 1Department of Ophthalmology, University of Illinois at Chicago, Chicago, Illinois; and 2Hospital de Olhos de Pernambuco, Fundação Altino Ventura, Recife, Brazil

4:15 PM – 4:30 PM
SOCIOECONOMIC STATUS AS A RISK FACTOR FOR THE BIRTH OF AN INFANT WITH DOWN SYNDROME (DS), ACCORDING TO THE MEIOTIC STAGE OF MATERNAL ORIGIN
C.P. Torfs and R.E. Christianson, Public Health Institute, Berkeley, California
4:30 PM – 4:45 PM  
MUTNATIONAL SUBFERTILITY AND CONGENITAL RENAL ANOMALIES  
M.A. Honein and C.A. Moore, Birth Defects and Pediatric Genetics Branch, Centers for Disease Control and Prevention, Atlanta, Georgia

2:00 PM – 4:45 PM  
PLATFORM SESSION V—SALON B  
Hazard and Risk Evaluation  

2:00 PM – 2:15 PM  
MICROTIA AND HEARING DEFICITS IN CD-1 MICE FOLLOWING GESTATIONAL EXPOSURE TO ETHANE DIMETHANESULFONATE (EDS)  
D.K. Tarka1,2, G.R. Klinefelter3, D.W. Herr3, and J.M. Rogers2, 1University of North Carolina, School of Medicine, Curriculum in Toxicology, Chapel Hill, North Carolina; and USEPA, NHEERL, 2Reproductive Toxicology Division and 3Neurotoxicology Division, Research Triangle Park, North Carolina

2:15 PM – 2:30 PM  
BIRTH WEIGHT IS NOT AFFECTED BY THE PRESENCE OF A SINGLE OR MULTIPLE NUCHAL CORD ENCIRCLEMENTS  
J.C. Carey and W.F. Rayburn, Department of Obstetrics and Gynecology, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma

2:30 PM – 2:45 PM  
EFFECT OF A COX-2 INHIBITOR, ROFECOXIB, ON CLOSURE OF THE FETAL RAT DUCTUS ARTERIOUS  

2:45 PM – 3:00 PM  
DOSE-RATE IS A CRITICAL DETERMINANT OF ETHYLENE GLYCOL DEVELOPMENTAL TOXICITY IN RATS  
E.W. Carney, A.B. Liberacki, B. Tornesi and D.A. Markham, The Dow Chemical Company, Midland, Michigan

3:00 PM – 3:15 PM  
SKELETON CHANGES IN DIFFERENT CARTILAGE AND BONE STAINING IN FETUSES EXPOSED TO PROPYPHENAZONE  
F. Burdan, Experimental Teratology Unit of Human Anatomy Department, Medical University School of Lublin, Poland

3:15 PM – 3:30 PM  
BREAK

3:30 PM – 3:45 PM  
IN-UTERO PROPYPHENAZONE EXPOSURE AFFECTS AN INCREASE OF THE ACTIVITY OF THE FETAL LIVER LYSOSOMAL CATHEPSIN B, D AND L  
F. Burdan, T. Blicharski, R. Klepacz and A. Sek, Experimental Teratology Unit of Human Anatomy Department, Medical University School of Lublin, Poland
3:45 PM – 4:00 PM 53 A STUDY OF HYPERICIN-INDUCED TERATOGENICITY DURING ORGANOGENESIS USING A WHOLE RAT EMBRYO CULTURE MODEL
L.Y. Chan, P.Y. Chiu and T.K. Lau, Department of Obstetrics and Gynecology, The Chinese University of Hong Kong, Hong Kong

4:00 PM – 4:15 PM 54 MORPHINE-INDUCED CENTRAL NERVOUS SYSTEM DEFECTS IN MICE
A.R. Fazel and M. Jalali, Dept. of Anatomy, Mashhad University of Medical Sciences, Mashhad, Iran

4:15 PM – 4:30 PM 55 OCULOTERATOGENIC AND RELATED EFFECTS OF OPIOID DRUG DURING EMBRYONIC DEVELOPMENT IN MICE
A.R. Fazel and M. Jalali, Dept. of Anatomy, Mashhad University of Medical Sciences, Mashhad, Iran

4:30 PM – 4:45 PM 56 ORAL EXPOSURE IN DERMAL STUDIES: A CONFOUNDING FACTOR IN DRUG SAFETY EVALUATION

5:00 PM – 6:00 PM BUSINESS MEETING—SALLE DE BAL OUEST (WEST BALLROOM)

7:00 PM – 8:00 PM BANQUET RECEPTION—FOYER SALON DE BAL (BALLROOM FOYER)
Supported by: Aventis Pharmaceutical, Inc.

8:00 PM BANQUET—SALLE DE BAL CENTRE (CENTER BALLROOM)
Supported by: WIL Research Laboratories, Inc.

Thursday, June 28

Coffee and breakfast on your own

8:15 AM – 12:00 PM REGISTRATION—FOYER SALON DE BAL (BALLROOM FOYER)

9:00 AM – 12:00 PM GENOME SYMPOSIUM—SALLE DE BAL OUEST (WEST BALLROOM)
Using Genomics to Study Birth Defects
Organized by Richard Finnell, University of Nebraska Medical Center, Omaha, Nebraska

9:00 AM – 9:10 AM INTRODUCTION
Richard Finnell

9:10 AM – 9:50 AM S18 MTHFR MUTATIONS AND BIRTH DEFECTS IN MICE
Speaker: Rima Rozen, McGill University, Montréal, Québec

9:50 AM – 10:30 AM S19 A GENOMIC RESOURCE OF MOUSE MUTATIONS IN CELL SURFACE PROTEINS
Speaker: Bill Skarnes, University of California at Berkeley, Berkeley, California

10:30 AM – 10:45 AM BREAK

10:45 AM – 11:25 AM S20 ANALYSIS OF A GENETIC MODEL FOR DIABETIC EMBRYOPATHY IN THE MOUSE
Speaker: Claudia Kappen, University of Nebraska Medical Center, Omaha, Nebraska
11:25 AM – 12:00 PM  S21  MOUSE MODELS OF FOLATE TRANSPORT DEFICIENCIES AND THEIR RELATIONSHIP TO COMPLEX CONGENITAL ANOMALIES  
Speaker: Richard Finnell, University of Nebraska Medical Center, Omaha, Nebraska

9:00 AM – 12:00 PM  PUBLIC AFFAIRS SYMPOSIUM—SALONS JERRY & JOYCE  
A Report Card on FDA’s Efforts to Prevent Teratogenic Birth Defects  
Organized by Tina Chambers, University of California-San Diego, San Diego, California, and Tom Collins, U.S. Food and Drug Administration, Chevy Chase, Maryland

9:00 AM – 9:45 AM  S22  PRECLINICAL REPRODUCTIVE TOXICOLOGY—"THE WEDGE"  
Speaker: David Morse, Center for Drug Evaluation and Research, USFDA, Rockville, Maryland

9:45 AM – 10:30 AM  S23  POST-MARKETING SURVEILLANCE: AN UPDATE ON PREGNANCY REGISTRIES  
Speaker: Evelyn Rodriguez, Center for Drug Evaluation and Research, USFDA, Rockville, Maryland

10:30 AM – 10:45 AM  BREAK

10:45 AM – 11:20 AM  S24  PROGRESS REPORT ON THE PREGNANCY LABELING REVISION  
Speaker: Sandra Kweder, Center for Drug Evaluation and Research, USFDA, Rockville, Maryland

11:20 AM – 12:00 PM  S25  MONITORING THE EFFECTIVENESS OF PREGNANCY PREVENTION PROGRAMS FOR KNOWN TERATOGENS  
Speaker: Tony Scialli, Department of Obstetrics & Gynecology, Georgetown University Medical Center, Washington, D.C.

12:15 PM – 1:30 PM  JAMES G. WILSON AND E. CLARKE FRASER AWARDS LUNCHEON—SALLE DE BAL CENTRE (CENTER BALLROOM)

1:30 PM – 4:00 PM  COUNCIL II MEETING—SALON 8
2001 Annual Meeting
Exhibitors
(As of April 18, 2001)

The Teratology Society thanks the following organizations for their participation as exhibitors at the 2001 Annual Meeting.

CTBR
Elsevier Science, Inc.
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Hamilton-Kinder, LLC
Hamilton Thorne Research
Huntingdon Life Sciences
IIT Research Institute
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The National Library of Medicine (NLM) provides FREE access to its collection of toxicology, chemical, and environmental health information databases, collectively called TOXNET (TOXicology data NETwork), at http://toxnet.nlm.nih.gov. These databases are used by health professionals and health consumers concerned with environmental issues, medical research, and human exposure to hazardous substances. Searches in these databases will be demonstrated.

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<tr>
<td>Gaithersburg, MD 20879</td>
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<td>Fax: (301) 330-6461</td>
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<td>E-mail: <a href="mailto:lkaiser@therimmune.com">lkaiser@therimmune.com</a></td>
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<td>Room 312</td>
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<td>Chicago, IL 60612-7353</td>
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<tr>
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<td>Fax: (312) 996-7755</td>
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<tr>
<td>E-mail: <a href="mailto:bslevine@uic.edu">bslevine@uic.edu</a></td>
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The Toxicology Research Laboratory conducts GLP-compliant studies in reproductive, developmental, and neurobehavioral toxicology (i.e., ICH1, ICH2, and ICH3); general toxicology; pharmacokinetics; and pharmacology. The AAALAC Intl.-accredited animal facility houses rodents (e.g., rats, mice, hamsters, guinea pigs), rabbits, ferrets, dogs, and nonhuman primates, including rhesus/cynomolgus monkeys and baboons.