

THE
TERATOLOGY
SOCIETY
BIRTH DEFECTS RESEARCH • EDUCATION • PREVENTION
EST. 1960

New Horizons in Birth Defects Research



56th Annual Meeting

San Antonio

GRAND HYATT SAN ANTONIO
JUNE 25-29, 2016

President: Tacey E.K. White, PhD
Program Chair: Sonja A. Rasmussen, MD, MS

www.teratology.org

Why Attend?



Birth defects and reproductive and developmentally-mediated disorders constitute a major public health concern in the world today. Human development can be affected not only by drugs and chemicals but also by diet, genetics, maternal health, and socioeconomic factors. The Teratology Society strives to understand and protect against potential hazards to developing embryos, fetuses, children, and adults by bringing together scientific knowledge from diverse fields such as cell and molecular biology, developmental biology and toxicology, reproduction and endocrinology, nutritional biochemistry, genetics, and epidemiology, as well as the clinical disciplines of prenatal medicine, pediatrics, obstetrics, neonatology, medical genetics, and teratogen risk counseling.



"You have the opportunity to network and collaborate with like-minded, world-renowned, experts. Our work has a direct impact on the information on birth defects that physicians and the general public use." - Kary Thompson, PhD, Reproductive Toxicologist, Bristol-Myers Squibb

The Annual Meeting theme is "New Horizons in Birth Defects Research." Come to San Antonio...

- To learn about the latest scientific research in birth defects, diseases of developmental origin, and cutting-edge technologies.
- For thought-provoking discussions with established experts in the field, new researchers, and students.
- To catch up with colleagues, make new friends, and network.

**Researchers • Clinicians • Epidemiologists • Toxicologists •
Pharmacologists • Reproductive Educators • Geneticists • Students •
Postdoctoral Fellows • Anyone Interested in Learning More about Causes
and Prevention of Birth Defects**

We welcome YOU.



Conference Overview



Where Southern Hospitality Meets Cutting-edge Science— Welcome to Texas!

We invite you to experience the friendly and warm culture of the Teratology Society in San Antonio.

The Annual Meeting provides an opportunity for scientists at all stages of their careers to present their work, discuss results, and establish collaborative scientific interactions and network within a setting that encourages the open exchange of ideas and experimental findings. With this experience, they return home with enthusiasm to apply the latest ideas and technologies towards their current and future research in the important public health area of birth defects and other reproductive and developmental disorders.

The education courses offer a broad array of leading-edge educational topics. Sessions include embryology and modern advances that help us better understand the various stages of development, the development and teratology of the heart, as well as “Big Data” and the study of birth defects.

The scientific sessions are focused on basic and clinical research and the application of new technologies. Topics for the scientific program represent active, timely research areas of high relevance to public health and significant usefulness to researchers in the fields of birth defects research and birth defects surveillance. Just a few exciting session topics on the agenda include:

- The future of drug testing and the role of human stem cells
- Social media’s role in patient recruitment for research studies
- Emerging mechanisms and human consequences of fetal exposure to methamphetamine, cocaine, and alcohol
- Depression and its treatment during pregnancy
- Advances in placental research

Calling all abstracts!

Take advantage of the opportunity to present your research during the meeting by submitting an abstract for poster or platform presentation. *SUBMITTING IS EASY* on www.teratology.org.



Some Agenda Highlights...

Education Courses:

- **Embryology in Modern Times** (G. C. Schoenwolf, J. M. DeSesso, C. V. Vorhees, S. G. Obican)
- **Development and Teratology of the Heart** (J. M. DeSesso, M.R. Hutson, H. S. Baldwin, G. A. Porter)
- **Sunrise Mini Course: "Big Data"** (R. C. Fry, TBA)

Symposia:

- **The State of the Art of Testing Drugs: Present and Future**
(K. Amemiya, A. M. DeLise, K. C. Brannen, M. L. Green, W. Halpern)
- **Pregnancy Registry Updates**
(S. Hernandez-Diaz, L. Sahin, J. Zellner, L. B. Holmes)
- **Wiley-Blackwell Symposium—Neurodevelopmental Deficits from Fetal Exposure to Methamphetamine, Cocaine, and Alcohol: Emerging Mechanisms and Human Consequences**
(P. G. Wells, C. V. Vorhees, G. D. Stanwood, L. M. Smith)
- **March of Dimes Symposium: New Approaches to the Treatment of Birth Defects**
(H. Northrup, L. Clarke, V. K. Prasad, M. A. Belfort, W. Tworetzky)
- **Integrative In Vitro Models for Neurovascular Development Function**
(W. L. Murphy, S. A. Ferguson, R. T. Peterson, J. P. Wikswo)
- **Public Affairs Symposium—Depression and Its Treatment in Pregnancy**
(K. L. Wisner, T. F. Oberlander, A. Ornoy, J. Gingrich)
- **Advances in Placental Research**
(S. G. Obican, R. K. Miller, A. Z. Abuhamad, C. M. Salafia, K. M. Aagaard, Y. Sadovsky)
- **The Increasing Prevalence of Gastroschisis Symposium**
(K.E. Arnold, TBA, C. D. Chambers)
- **Assessing the Developmental Toxicity of Nanomaterials**
(K. Hougaard, J. L. Blum, T. R. Nurkiewicz, M. Gwinn)
- **ILSI HESI Symposium—Ontogeny of the FcRn in Gestation across Species**
(J. M. DeSesso, S. B. Laffan, S. Westmoreland, L. Sivaraman)

Workshops:

- **Student/Postdoctoral Fellow Professional Development Lunch Workshop**
(M. Vekemans, C. V. Vorhees, M. S. Tassinari, S. G. Obican)
- **Every Assay Needs an Anchor: The Search for Reference Developmental Toxicants**
(G. P. Daston, E. A. Maull, N. C. Kleinstreuer, P. Browne, S. O. Simmons, D. C. Volz)
- **Strategies for Post-Approval Assessment Workshop**
(S. A. Ephross, C. S. Broussard, L. G. Taylor, K. F. Huybrechts)
- **Science and Public Policy: How It Affects You and How You Can Shape It**
(H. H. Garrison, P. Antin, B. Tornesi)

Special Lectures and Awards:

- **Keynote Speaker—Translating Rapid Whole Genome Sequences into Precision Medicine for Babies in Intensive Care Nurseries** (S. F. Kingsmore)
- **Josef Warkany Lecture** (E. M. Faustman)
- **Robert L. Brent Lecture: Teratogen Update—Preventing the Preventable: Where Do We Stand on Fetal Alcohol Spectrum Disorders in 2016?** (C. D. Chambers)
- **Narsingh Agnish Fellow Lecture** (R. K. Miller)
- **Teratology Society and European Teratology Society Exchange Lecture—GMOs, Glyphosphate, and Reproductive Risks: Permissive vs. Precautionary Approaches**

Plus platforms, posters, hot topics, awards, and much more!

Visit the meeting website to view the detailed agenda and information about the meeting.

www.teratology.org



Just for Students and Postdoctoral Fellows

Present Your Work

Graduate students and postdoctoral fellows are encouraged to submit abstracts for consideration in a poster or platform session.

Develop Your Career

Plan to attend the Student Career event on Monday evening for dinner, conversation, and networking.

Expand Your Network

Students and postdoctoral fellows meet with established members of the Society for informal discussion and networking at the Dine with a Teratology Ambassador event.

Receive a Travel Award

Students and postdoctoral fellows who present an abstract at the Teratology Society Annual Meeting are eligible to receive a \$500 travel award. More information on Travel Awards and a Room Sharing Program are on www.teratology.org.



"One can discover new passions and career interests just by attending the talks and seminars. Being a part of the Society is a great way to meet experienced professionals and scientists who provide valuable career advice and guidance." - Nazem El Hussein, PhD Candidate, McGill University

Key Deadlines:

Abstract Submission Deadline: February 15, 2016

**Student/Postdoctoral Travel Award Application Deadline:
February 15, 2016**

Early Bird Registration Deadline: February 22, 2016

Room Sharing Program Deadline: May 6, 2016

Advance Registration Deadline: May 15, 2016

Hotel Reservation Deadline: May 28, 2016



Accommodations

Make plans early to attend the meeting at the Grand Hyatt San Antonio in San Antonio, Texas.

The conference rate is \$179 for single/double occupancy. Based on availability, the meeting rate is available three days prior and three days past the meeting.

Limited rooms are available for students at a reduced rate. You must reserve your room prior to May 28, 2016. All rates are subject to applicable taxes, currently 16.75%. Reservations can be made by calling direct 210.224.1234 and telling the reservation department that you are a Teratology Society meeting participant or by reserving a room online through the Annual Meeting website.

Room Sharing Program

This program is designed to help attendees reduce their cost of attending the Annual Meeting. The Room Sharing Program is open to all Teratology Society Annual Meeting attendees. For updated information and important room sharing deadlines, visit www.teratology.org/meetings/2016.



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