



# Translational Science in Perinatal Biology

**April 27 to May 3, 2014**

**Organized by Center for Pregnancy and Newborn Research  
Department Obstetrics and Gynecology, School of Medicine  
School of Medicine  
Graduate School for Biomedical Sciences  
University of Texas Health Science Center in San Antonio**

This course is directed to graduate students and post-doctoral fellows to enhance translational research in obstetrics and neonatology through the presentation of clinical approaches and clinically relevant model systems including animal and cell culture models. The course instructors include physiologists, molecular biologists, biochemists, Pediatric and Maternal Fetal Medicine specialists. The course will focus on pregnancy and developmental programming of health and disease. Certificates of successful course completion will be granted.

## **2014 Guest Faculty**

**Dr Rebecca Simmons, MD** Professor of Pediatrics, Perelman School of Medicine, University of Pennsylvania

**Dr Dino Giussani, PhD** Professor of Developmental Cardiovascular Physiology and Medicine, University of Cambridge, UK

**Course Fees: \$750 USD** includes course materials, opening reception, course banquet, daily breakfast and lunch.

**Optional Housing: \$200-325 USD** (approx) 1 week double occupancy depending on hotel choice.

**Tuition and Travel Scholarships may be available, please inquire.**



**Course Director:** Theresa Powell, PhD

email: [powellt3@uthscsa.edu](mailto:powellt3@uthscsa.edu) phone: 1 210 567 7048

**Key Core Faculty:** Dr Leslie Myatt, Dr Peter Nathanielsz, Dr Mark Nijland, Dr Thomas Jansson

**Course Theme: Pregnancy and Developmental Programming of Health and Disease**

- ❖ **Animal Models for Pregnancy and Programming**
- ❖ **Cellular and Molecular Models for Pregnancy and Programming**
- ❖ **Clinical Studies in Pregnancy**
- ❖ **Fetal Growth: Neonatal and Life-long Implications**

**Course Highlights:** Daily themes will emphasize active student participation. The course will consist of a combination the following learning experiences:

- World leading perinatal biologists will provide “basic concepts” and “state of the art” research lectures, accompanied by reading material sent in advance to the students
- Clinical background lectures will be provided by Maternal Fetal Medicine Specialists and Fellows
- “Hands on” laboratory training and demos
- Student Research Presentations – with feedback from fellow students and faculty
- Group activities and projects – experimental design, grant writing, research ethics, debates
- “Hot topic” and journal club discussions relevant to course materials
- Social activities include:
  - Opening Reception and “get to know you” activities
  - Group dinners followed by keynote lectures/debates/ student presentations
  - Course banquet – Historic Alamo Tour and Riverwalk Boat Dinner

**How to Apply: Send a cover letter, your CV and one letter of support to Dr Powell [powellt3@uthscsa.edu](mailto:powellt3@uthscsa.edu) DEADLINE February 10, 2014. Limited to 25 participants!**



**Welcome to  
San Antonio, Texas!**

**Average May Temperatures**

**High 87°F Low 67°F**