



# Sex and Gender Factors Affecting Metabolic Homeostasis, Diabetes and Obesity

March 19–22, 2017 | Granlibakken Tahoe | Tahoe City, California | USA

## Scientific Organizers:

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**Deborah Clegg**, Cedars-Sinai Medical Center, USA

**Arthur P. Arnold**, University of California, Los Angeles, USA

*There are fundamental aspects of metabolic homeostasis that are regulated differently in males and females, and influence both the development of diabetes and obesity and the response to pharmacological intervention. Still, most preclinical researchers avoid studying female rodents due to the added complexity of research plans. The consequence is the generation of data that risks being relevant to only half of the population. This is a timely moment to study sex differences in diseases as NIH leadership has asked scientists to consider sex as a biological variable in preclinical research, to ensure that women get the same benefit of medical research as men. The goal of this meeting is to fill a need in the scientific community by connecting interdisciplinary groups of scientists who normally would not have an opportunity to interact. This group includes investigators studying sex differences, the role of sex hormones, the systems biology of sex and the genetic contribution of sex chromosomes to metabolic homeostasis and diseases. Leaders of the pharmaceutical industry will present their views on sex-specific drug discovery. The meeting is expected to generate new knowledge and ideas on the importance of gender biology and medicine from a molecular standpoint to the population level, and to provide the methods to study them. It is intended to be a catalyst of a process that will lead to gender-specific treatments of metabolic diseases.*


## Session Topics:

- Sex Differences in Metabolic Homeostasis I & II
- Workshop 1: Designing Pre-Clinical Studies to Conduct Research on Sex Differences
- Estrogens and Metabolic Homeostasis
- Workshop 2:
  - Androgen and Metabolic Homeostasis
  - Genetics, Metabolomics and Systems Biology of Sex Differences
  - Drug Design and Gender-Specific Medicine

**Scholarship Application & Discounted Abstract Deadline: November 15, 2016**

**Abstract Deadline: December 19, 2016**

**Discounted Registration Deadline: January 18, 2017**



Note: Scholarships and Underrepresented Trainee Scholarships are available for graduate students and postdoctoral fellows and are awarded based on the abstract submitted.

Meeting Hashtag: #KSgender

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