

Dr. Fuller W. Bazer  
Distinguished University Professor, Texas A&M University

Presentation title: **Roles of cytokines during the peri-implantation period of pregnancy in ruminants and swine.**

Message to the participants:

I am a reproductive biologist and endocrinologist who mainly studies uterine biology, pregnancy and nutrition in sheep, as a model for ruminant species, and pigs. My laboratory uses cellular and molecular techniques to understand time and cell-specific changes in expression of genes in the conceptus (embryo and extra-embryonic membranes) and uterine epithelial and stromal cells. I will discuss the roles of interferon tau in pregnancy recognition signaling and in stimulating expression of genes required for development of the conceptus. I will also present information on the potential roles of interferons delta and gamma secreted by pig conceptus trophoctoderm during the peri-implantation period of pregnancy. I think that you will find information on what we know and do not know about the roles of interferons tau, delta and gamma to be of interest.

