

**DISTINGUISHED JOY GOODWIN LECTURER**  
**AUBURN UNIVERSITY COLLEGE OF VETERINARY MEDICINE**



**RESEARCH SEMINAR**

**Fetal-Maternal Signaling in Pregnancy**  
**March 26, 2019**  
**12:00 PM—Newsom Auditorium**

**DISTINGUISHED LECTURE**

**The Amazing Placenta: Safeguarding Your Health in the Womb and into Adult Life**  
**March 26, 2019**  
**6:30 PM—109 CASIC**

Dr. Doug Antczak is the Dorothy Havemeyer McConville Professor of Equine Medicine at Cornell University. He is a veterinary scientist with broad expertise in immunology, reproductive biology, and genetics. Much of Dr. Antczak's research has focused on immunological and genetic aspects of the fetal maternal relationship in the horse. This has included studies of the regulation of expression of Major Histocompatibility Complex genes and molecules in the placenta, the composition and function of uterine lymphocytes, and alterations in maternal immune reactivity during pregnancy. Because of its relevance to human health, Dr. Antczak's research program in equine pregnancy immunology was funded by the US National Institutes of Health nearly continuously between 1981 and 2010. In equine genomics, Dr. Antczak has made major contributions to the Horse Genome Project that have facilitated and fostered research and clinical application in equine genetics over the past two decades.

Dr. Antczak's research in pregnancy immunology has direct application in reproductive medicine, but also important implications for our understanding of tumor biology and viral infectious diseases, and for advances in clinical organ transplantation. Dr. Antczak's research in equine genomics has included identification of mutant, disease-causing genes and discovery of novel gene expression patterns in the developing placenta. Dr. Antczak has a strong record of training veterinary scientists and in administration of a major research institute dedicated to the improvement of animal health. He has also been a leader in the implementation of international cooperative research efforts in equine medicine.

Dr. Antczak will be visiting from March 25-27, 2019. Individuals and groups who desire to meet with him may contact Dr. Xu Wang (4-2618 or [xzw0070@auburn.edu](mailto:xzw0070@auburn.edu)).