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Area of Expertise:

- Anatomic Pathology (including poultry)
- Microbiology
- Immunology

Focus of Research:

- Hepatitis E virus (*Hepevirus* – chickens)
- Molecular (real-time / farm-side) diagnostics
- Food Safety

Current Funded Projects - Selected (Source):

- **LeRoith, T. (PI)**. FDA / CVM Vet-LRN Veterinary Diagnostic Laboratory Program Infrastructure Grant. 2012 (5 yr) FDA (\$82,000).
- Meng, X.J., **T. LeRoith (Co-I)**, F.W. Pierson (Co-I), L Yuan, A Chicken Model to Study Hepatitis E Virus Pathogenesis, 2013 (5 yr), NIH, RO1AI050611-Renewal (\$1,954,444).
- Magnin-Bissel, G., **T. LeRoith (Co-I)** FDA / CVM Vet-LRN Expansion and Validation of Testing Methods for Food Contaminants in Animal Diagnostic Specimens. 2014 (5 yr) FDA (\$486,675).
- Meng, X.J., Y Huang, S Kenny, **T. LeRoith (Co-I)**. Mechanism of Hepatitis E Virus Replication and Pathogenesis. 2013 (5 yr) NIAID / NIH / DHHS (\$1,995,000).
- Lahmers, K. T. **LeRoith (Co-PI)**, T Cecere. Use of Mobile Nanopore Sequencing to Detect and Genotype Porcine Reproductive and Respiratory Syndrome Virus. 2016 (2 yr) National Pork Board ((\$75,000).
- **LeRoith, T. (PI)**, W. Huckle, T Cecere. Defining the Molecular Events Triggered by PCV2 and PRRS Infection of Dendritic Cells. 2016 (1 yr) Internal Research Competition (\$20,000).