ILHAC Research Priorities: 2016

SWINE:

1. Animal Well-being (analgesics for castration, sow housing, pain relief)
2. Antimicrobial Resistance (monitoring antibiotic use, looking for information/data to counteract misinformation, prevention control treatment, proof that drugs (antibiotics) are used properly, variability of normal dose)
3. PEDv
4. PRRS
5. Swine Influenza (new vaccine technologies-intranasal product)
6. Methicillin-resistant *Staphylococcus aureus* (MRSA)
7. *Clostridium difficile*
8. *Mycoplasma hyopneumoniae*

DAIRY CATTLE:

1. Animal Well-being Issues
   a. Mastitis
   b. Lameness
   c. Respiratory disease
   d. Discover or develop an FDA-approved analgesic for food-producing animals
2. Johne’s disease
3. *Mycoplasma bovis*
4. Antimicrobial Resistance (monitoring antibiotic use, looking for information/data to counteract misinformation, prevention control treatment, proof that drugs (antibiotics) are used properly, variability of normal dose)

BEEF CATTLE:

1. *Anaplasmosis*
2. Digital Dermatitis (hairy heel wart)
3. *Trichomiasis* (surveillance, identification/verification-cost effective manner)
4. Animal Well-being issues
5. Bovine Respiratory Disease (BRD)/*Mycoplasma bovis*

POULTRY:

All Poultry—Influenza infections
1. AI infections
2. Antimicrobial resistance and antibiotic substitutes in poultry production
3. Animal Well-being

Turkeys
1. Food Safety
   a. *Salmonella*
b. Listeria  
c. Campylobacter jejuni  
2. Clostridium - Dermatitis or cellulitis  
3. Leg & joint abnormalities  
4. Mycoplasma gallisepticum  

Layers  
1. Food Safety - Salmonella spp. (SE)  
2. Peritonitis – E. coli  
3. Focal Duodenal Necrosis (FDN)  

SHEEP AND GOATS:  

1. Improved treatment of parasitic diseases  
2. Barn Cough (Pneumonia, Mycoplasma – isolate vaccine, differences between two)  
3. Abortions-Cache Valley (and partial abortions), “Pregnancy Wastage” (Neonatal death, failure to dilate)  

IVMA CONCERNS: Represents all species  

1. Animal Well-being  
   a. Pain Control  
   b. Lameness  
2. Seneca Valley Virus  
3. Trichomiasis  
4. Methicillin-resistant Staphylococcus aureus (MRSA)  
5. Johne’s disease  
6. Anthelmintic resistance