ILHAC Research Priorities: 2017

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*
9. Seneca Valley Virus

DAIRY CATTLE:

1. Animal Well-being Issues
   a. Mastitis
   b. Lameness
   c. Respiratory Disease
   d. Discover or develop an FDA approved Analgesic for 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* – respiratory

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*
i. *Salmonella* Oranienburg  
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 aurerus* (MRSA)  
5. Johne’s Disease  
6. Anthelmintic resistance