

Summary of annual meeting:

The annual meeting began with introductions of attendees and virtual participants. Recognition was made for those not able to attend. Project objectives were reviewed and discussed to help focus discussions during the station reports.

Dr. Neibergs reported comments from the last administrative review of the project. Reviewers felt that the participating institutions were quite productive but were encouraged to increase cooperation amongst the member institutions. Ensuing discussion focused on steps to enhance and increase cooperative efforts. From an extension and outreach perspective, members discussed developing a program for a subcommittee section of the Beef Improvement Federation (BIF) Annual meeting that would focus primarily on beef cattle adaptability and be primarily composed of research and expertise resulting from the cooperative efforts of this group. Topics are still being discussed as the program will be initially developed at the BIF mid-year meeting this fall.

Members discussed better coordinating research efforts. The committee has a variety of specialties from molecular and quantitative genetics, to genetic involvement in microbiome and physiological processes. Given current ongoing research projects, the committee identified some key areas where further cooperation might be possible to enhance and leverage individual outcomes to larger projects including: beef sustainability (e.g. methane and oxygen consumption), fertility/longevity, health, and the interaction of microbiome and host genetics. To further plan and coordinate these activities, we intend to hold another virtual meeting to discuss how we might better collaborate in research both in the conduction of research trials and in the sharing of data.

Definitive outcomes from the last general meeting have spawned the following:

- Collection pulmonary arterial pressures (PAP) from animals in the Texas A&M University genetic resources to create foundational data on pulmonary hypertension in *bos indicus*-influence breeds.
- Development of approaches for sharing sustainability performance measures and genomic data associated with those.

During the meeting, the desire to grow the coordinating committee membership was discussed. Several institutions with faculty having a beef cattle emphasis and/or interest were identified. These institutions included: New Mexico State University, Utah State University, University of Nebraska-Lincoln, and Kansas State University as key target universities.

Also discussed was interaction and holding a joint meeting to further explore collaborations with the Southern beef cattle breeding group. Dr. Herring, also a member of that group, was going to determine their meeting schedule over the next 2 years to determine if there was an opportunity to meet jointly.