Role Title: Beef Genetic Data Analytics Intern

Reports To: ABS Beef Product Development

Position Location: 1525 River Road, Deforest WI 53532

Company Background:
Genus (Parent company to ABS Global, PIC and R&D/IntelliGen) is a global FTSE 250 company, headquartered in the UK and listed on the London Stock Exchange. With revenues of around £500 million, Genus has a presence in over 70 countries, with a global workforce of approximately 3,200 employees. One of the best performing stocks on the London Stock Exchange, the Company's market capitalization is around £2 billion. **We are a worldwide leader in porcine and bovine animal genetics, partnering with farmers to transform how we nourish the world – a mission that is important to a sustainable future.**
Each generation of animals is selected based on a number of desired traits, including greater health, fertility, productivity or feed efficiency. With superior animal genetics, Genus helps its customers in the dairy, beef and porcine supply chains around the world produce offspring with improved robustness, superior production efficiency and greater sustainability. Genus's vision of *"pioneering animal genetic improvement to help nourish the world"* is supported by its core values to be customer-centric, results-driven, pioneering, people-focused and responsible.

For more information on our student program, please visit- www.startingatgenus.com

Overall Responsibilities:
This internship will focus on animal breeding and quantitative genetics and has been structured to provide real-time experiences with an opportunity to not only participate but also see the outcomes of intern contributions. This intern role will work along-side of our beef product development team to support data-related activities. This is an opportunity to apply your education, strengthen your skills, and grow your knowledge while also participating in key initiatives focused on pioneering animal genetic improvement to help nourish the world.

Specific Accountabilities:
- Use various statistical and analytic tools to complete data mining, data pipeline development, and data analysis;

- Conduct experiment design, and investigate new models and methods;

- Generate information which will inform genetic strategies, genetic program development and custom genetic indices in support of advances within the ABS proprietary genetic program.

Qualifications and Experience:
- MS or PhD student in Animal Science, Dairy Science, Quantitative Genetics, Computer Science, Statistics, Data Science or related field, required;

- Strong analytical skills, familiarity with statistical packages (SAS, R, etc.), and experience with scripting or programming tools preferred;

- Experience with bioinformatics, calculating estimated breeding values, and/or breeding index development, preferred;

- Direct Agricultural experience (plant or animal) is a positive but not required attribute;

- Strong interest in genetic data analysis, utilizing data to develop on-farm genetic strategies, genetic program development, and custom genetic indices, preferred.

Capabilities and behaviors:

- Live and display the Genus values at all times in their day-to-day activities.

- Maintain professional verbal and written communications with co-workers, internal and external customers, and vendors at all times.

- Be flexible with respect to job responsibilities and consistently strive to be an effective team member.

- Strive to advance your skills and display a willingness to accept future development.

- Actively participate in company training opportunities to further develop skills applicable to the team.

- Gain an understanding of the company's business and the team's role within the company.