



Role Profile

Role Title: Livestock Diseases Research Scientist

Reports To: Director of Trait Development

Position Location: DeForest, WI

Overall Job Purpose: The purpose of this position will be to develop strategies, direct, and conduct research towards introducing and testing novel disease resistance traits in livestock. The Scientist will be responsible for implementing and overseeing cell and animal screens as part of Genus' disease resistance discovery pipeline. Genus is a world supplier of animal genetics and this position would be expected to develop novel approaches to test diseases and genetic solutions to improve the health of pigs and cows. The Scientist would collaborate with internal and external experts necessary to support disease discovery objectives and be able to work, teach and grow with a Genus team that is collaborative, enthusiastic and engaging.

Specific accountabilities:

- Scientist would develop and conduct research and lead projects which enable the testing of disease resistance gene discovery solutions in cell-based and large animal models.
- Scientist would execute and oversee high quality experiments necessary for the livestock health trait discovery pipeline initiative. Modifies experimental approach or plan as required to meet project objectives and timelines.
- Build knowledge that advances our understanding of livestock disease response using data generated internally or acquired externally
- Collaborate with internal R&D teams to test candidate genes for mitigation to livestock disease in cell culture and/or in animals.
- Interprets, summarizes data and develops new experiments based on results and shares results across Research organization.
- Plans and leads research through collaborations with matrix teams (across R&D, Product Development, and Commercial organizations)
- Provides solutions to researchers within and across projects by identifying opportunities to improve livestock health traits.
- Remains current on new technology by reviewing literature, participating in professional meetings and career development activities and encouraging others to bring information into research activities.
- Able to train and review of work by other employees.
- Maintains laboratory notebook and records experiments in a timely fashion in accordance with Laboratory Notebook compliance guidelines.

- Controls, maintains, and accountable for research facilities, equipment and other resources.
- Contribute to scientific publications and conferences.
- Implements and monitors safe working practices while adhering and promoting Core Values.

Qualifications and experience:

- Advanced Degree (PhD preferred) in Animal Genomics/Genetics, Molecular Biology, Immunology, or a related Life Science. Preferred candidate would have at least 4 years post graduate experience, however other candidates would be considered depending on research experience.
- Experience in Somatic Cell Nuclear Transfer, zygote gene editing and/or production of gene edited cells or animals is required.
- Experience in flow cytometry, mammalian tissue culture, DNA/RNA molecular biology and protein expression and analysis.
- Candidate must have a demonstrate record of success in relevant field (publications and/or other achievements) and demonstrated experimental/wet-lab activities.
- Experience developing and implementing short and long-term research projects and achieve results.