

Senior Research Scientist

(Research and Development)

AgriPlex Genomics, a leading provider of genotyping solutions to the plant and animal breeding industry (<https://www.agriplexgenomics.com/>), is seeking an experienced, collaborative Senior Research Scientist with experience in Molecular Biology. This role offers an exciting opportunity to lead the development of cutting-edge genotyping assays for agricultural products. If you are passionate about advancing the field of agricultural biotechnology and regulatory testing, we would love to hear from you.

KEY RESPONSIBILITIES:

- Lead the design, development, and optimization of genotyping assays for molecular diagnostics in agricultural species.
- Independently design experiments to answer key questions relating to transgenics characterization.
- Implement rigorous quality control measures and troubleshoot any technical issues related to assay performance.
- Work closely with R&D and product development teams to ensure that developed assays meet the needs of both regulatory compliance and commercial objectives.
- Lead efforts to innovate and improve existing assays and develop new technologies that support the accurate detection of agricultural traits.
- Test molecular assays and interpret results to inform product development.
- Stay at the forefront of molecular genetics and biotechnology research to identify new methods, technologies, and tools that can improve accurate detection of transgenic products.

MINIMUM REQUIREMENTS:

- PhD with 0-2 years of experience, or MSc with 4+ years of experience, in Molecular Biology, Biochemistry, Biotechnology, or a related field.
- In-depth knowledge of molecular biology techniques with wide application in agricultural species.
- Experience in bioinformatics and/or biostatistics, specifically related to NGS sequencing.
- Strong time management skills with the ability to meet deadlines independently.
- Proven ability to lead projects and design experiments autonomously.
- Skilled at troubleshooting potential issues in a methodical and systematic manner.
- Strong problem-solving abilities and capacity to manage multiple projects simultaneously.
- Ability to work collaboratively within a team in a fast-paced environment.
- Excellent communication and interpersonal skills.

PREFERRED EXPERIENCE:

- Experience developing molecular diagnostics for agricultural breeding and quality testing.
- Proficiency in experimental design, combined with hands-on experience in PCR-based technologies and NGS, is essential.

GENERAL JOB DETAILS:

Location: Hybrid - Cleveland, OH 44106

Job Type: Full-time

Competitive salary, comprehensive benefits, and a collaborative work culture focused on innovation and regulatory excellence.

Benefits:

- 401(k)
- Health insurance
- Dental and Vision insurance
- Paid time off

ABOUT AGRIPLEX GENOMICS:

AgriPlex Genomics was formed in 2014 in Cleveland, Ohio, to create a targeted sequencing and genotyping platform for large populations that is accessible and affordable to the community.

Our multiplexed, Next-Generation PlexSeq™ platform provides simultaneous analysis of specific loci (25-5000) in any number of DNA samples. PlexSeq™ supports plant and animal breeders by greatly improving throughput and efficiency while significantly reducing costs.

AgriPlex Genomics partners with plant and animal breeders from the industry, academia, government, and non-government organizations, to provide crucial genotype data for the development of healthier and more productive crops and livestock.

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