

Research Scientist – HTP Genotyping

Hiring organization

Calyxt

Date posted

May 12, 2020

Description

Calyxt is seeking a highly motivated and result-oriented scientist to join our R&D organization. The individual will be responsible for developing, implementing and conducting HTP genotyping assays on Calyxt products during discovery and product development phases. The successful candidate will work in a team environment and interact with experts in molecular biology, gene editing, plant transformation and product commercialization. S/he will also have a unique opportunity to work with cross-functional teams as Calyxt gene edited products progress through the R&D pipeline, comply with regulatory requirements and are brought to commercialization.

Responsibilities

- Develop analytical genotyping methods including standard operating procedures (SOPs) to characterize Calyxt edited lines
- Evaluate and employ a variety of analytical platforms (i.e. qPCR, ddPCR, NGS, Sanger)
- Implement automation solutions to optimize throughput
- Implement high-throughput assays to inform gene edit and breeding selections
- Influence and build out new and innovative genotyping platforms
- Manage internal and external projects according to Calyxt's needs
- Prepare data packages, reports and presentations to communicate with stakeholders at various levels
- Work cross-functionally to continuously improve analytical approaches and develop new methods as required
- Develop and submit innovative ideas
- Be proficient in LIMS work associated with platform experiments

Qualifications

- PhD (preferred) or MS in Biology, Genetics, Genomics or other related majors.
- Minimum 2 years of industry experience in HTP genotyping analysis
- Hands-on experience with a variety of analytical techniques such as: qPCR, ddPCR, trait marker assay development and next-generation sequencing
- Solid organizational and time management skills to ensure successful and timely documentation and completion of projects
- Ability to work flex hours (evenings and/or weekends) as needed
- Excellent verbal and written communication skills and the ability to work in a team environment to achieve project goals
- Ability to learn new programming languages for automated machines

Contacts

Please send resume and motivation letter to: clxrsg202005@calyxt.com