



Example of Production Scientist Job Description

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Our growing company is searching for experienced candidates for the position of production scientist. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for production scientist

- 30% Strategy – Develop novel scientific investigation strategy that supports the advancement of Integrated Operation's Digital Field Tools and Predictive Ag platform
- 70% Execution – Ensure predictive ag scientific investigation strategy is executed by leveraging R&D, Data Scientists, Field Technology Innovation lead, Field Operations Managers, and Production Research Scientists
- Lead IO Digital Field Tool Science Team – Provide technical and scientific leadership for Predictive Ag strategy and development of digital tools for IO
- Seed Field Uniformity Index– Refine a standard and objective data driven approach to measuring seed field uniformity indexes with the ultimate goal of minimizing yield variability and improving cost of goods
- Seed Field Yield Prediction and Analytics– Identify key drivers in seed field yield prediction through novel digital data collection, remote sensing, photometry, and spatial analysis
- Digital Field Tool Test and Release -Validate digital field tools for adequate sampling protocol procedures and adequate signal to noise ratio prior to release to seed production field teams
- Production and titering of HIV stocks to support early discovery programs
- Preparation and/or sourcing of plasmid DNAs and reagents to support virus production
- Maintain virus stock/plasmid database
- Document work clearly

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- Production shift work, 12 hour night shift schedule working various days of the week
 - Requires the ability to lift and carry up to 80 pounds while wearing personal protective equipment, including respirators, for an extended time
 - Customer interaction potentially elevates the responsibilities of this position
 - Laboratory knowledge and / or experience in Organic Chemical synthesis and associated analytical techniques
 - With directional oversight, demonstrate potential for technical proficiency and scientific creativity
 - At all times, treat others with respect, create a positive work environment, and communicate effectively with all other co-workers to facilitate development activities