Research Scientist, Vector Construction & Gene Expression

Minneapolis, Minnesota, USA

About us

Calyxt, Inc. is a consumer-centric, food- and agriculture-focused company. Calyxt is pioneering a paradigm shift to deliver healthier food ingredients, such as healthier oils and high fiber wheat, for consumers and crop traits that benefit the environment and reduce pesticide applications, such as disease tolerance, for farmers. Calyxt develops non-transgenic crops leveraging processes that occur in nature by combining its leading gene-editing technology and technical expertise with its innovative commercial strategy. Calyxt is located in Minneapolis-St. Paul, MN, and is listed on the Nasdaq market (ticker: CLXT).

For further information please visit our website: www.calyxt.com

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Job Summary

Calyxt is seeking a highly motivated and result-oriented scientist to join our R&D organization. The successful candidate will have an opportunity to work in a team environment and interact with experts in molecular biology, gene editing, plant transformation and product commercialization. As a Research Scientist at Calyxt, you will supervise a well-trained vector construction team, have responsibility for validation of vectors and gene editing components prior to initiating plant transformation, and perform downstream analysis of expression profiling for gene edited plants. This position holds a key role within the R&D & Innovation team and is responsible for expanding Calyxt's toolbox of genetic elements for vector construction, and will actively participate in the discussion and implementation of new product concepts *and* the strategies to deliver on these concepts.

Key Responsibilities

The focus of this position will be:

- Regulatory element discovery and characterization.
- Development of streamlined transformation vectors compatible with the latest cloning systems.
- Participate in development of new product concepts around gene editing in a variety of crops and gene targets focused on producing higher quality healthy foods.
- Supervision of the vector construction team

- Coordinating workflow with upstream and downstream teams

Qualifications

- Graduate level degree (MS or PhD) with a focus in Molecular Biology or Genetics from an accredited University
- 7 years of experience working in a laboratory environment
- Experience with standard molecular biology tools and techniques
- Strong project management skills and problem- solving skills
- Extensive hands-on experience in promoter analysis and transgene expression
- Experience in plant transformation and design of vectors for high performance transformation platforms
- Experience in vector construction and validation
- Experience in expression tools, both stable and transient expression.

Contact: Please send resume and motivation letter to CLX_RSV_2018-11@calyxt.com