



# Isolere Bio

**Position Title:** Director of Nucleic Acids R&D Program

**Location:** Chesterfield Building, 701 West Main Street, Durham, NC 27701  
(<https://goo.gl/maps/UhgTQ6YJTvdZvcB57>)

**Salary:** Salary is commensurate with experience and includes health care, retirement, and stock options benefits.

**Company Description:** Isolere's mission is to contribute to global health care equality by improving the quality and lowering the cost of biotherapeutics and vaccines. To accomplish this goal, we are completely rethinking traditional purification processes by adapting the power of naturally evolved separations phenomena into scalable, transformative manufacturing technologies.

**Role Summary:** Isolere Bio is seeking a Director to help lead the application of our technology to nucleic acids, such as mRNA and plasmid DNA. The COVID-19 pandemic has put a global spotlight on scalable manufacturing and it has brought mRNA to the forefront of the vaccines field. Isolere's targeted and highly controllable phase separation technology has the potential to significantly improve the production, purification, and modification of mRNA (and other nucleic acids) using processes that can be adapted to fully continuous processing. The Director of Nucleic Acids R&D Program will work closely with Isolere's executives and scientists to bring this concept to life. The ideal candidate has significant experience producing, analyzing, and handling nucleic acids of all shapes and sizes. As a member of a small startup team, this role will require a significant amount of hands on benchwork for the first 9-12 months as we get this program up and running. However, the role also has tremendous potential for growth and development by building a technology and a team from the ground up and managing a complex, evolving research program.

## **Role Responsibilities:**

- » Work with the CSO and CEO to develop an innovative R&D program to apply Isolere's selective phase separation technology to nucleic acids. This will involve identifying critical milestones as well as potential problems that may be encountered and potential solutions.
- » Develop SOPs for producing and analyzing various nucleic acids. This will likely involve coordinating with collaborators and vendors.
- » Design and execute key proof-of-concept experiments to demonstrate feasibility of applying Isolere's technology to mRNA as well as other types of nucleic acids.
- » Design, interpret, and communicate experimental results to employees at all levels within Isolere (technicians through Board of Directors).
- » Train and manage existing and new hires as the Isolere R&D team grows.
- » Communicating R&D strategy effectively to executive's within Isolere Bio and with external strategic partners
- » Work with Isolere executives to set strategic direction of the nucleic acids program and interface with collaborators and strategic partners to advance the technology towards commercialization as appropriate



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**Basic Qualifications:** Candidates of various education level are encouraged to apply, provided they have highly relevant experience and confidence in their ability to take on a challenging role that will require creative problem solving.

PhD + 2 years of experience, MS + 5 years of experience, BS + 7 years of experience. Prior experience with nucleic acid design, development, production, and characterization is required. Expertise in nucleic acid design, folding, structural elements, regulation, modification, synthesis and purification is a plus. Experience with large batch nucleic acid production, purification, and qualification is a plus. Experience in technology transfer and cGMP manufacturing is a plus.

Candidates should highlight how their interests align with Isolere's goal of developing innovative and more efficient ways to manufacture nucleic acid-based products. The candidate should also demonstrate their ability to solve problems independently, communicate effectively, handle multiple projects concurrently, and oversee others through effective team management.

To apply for this opportunity email **kluginbuhl [AT] isolerebio.com** and include the following:

- Resume or CV
- Three personal references from past positions of employ
- Email subject of form → Last Name – “Application for Director of Nucleic Acids R&D Program”

Applications that fail to meet these requirements **WILL NOT** be considered.