

Scientist/Senior Scientist, Formulations

Raleigh, NC USA

Company Summary:

Founded through Flagship Pioneering's venture creation engine, Terrana Biosciences is a cutting-edge agricultural biotechnology company developing innovative RNA-based products to address global agricultural challenges. We are committed to advancing sustainable farming solutions through precision technologies that ensure environmental safety and regulatory compliance.

Position Summary:

Are you a highly motivated and driven researcher who wants to contribute to developing products for sustainable agriculture? We are seeking a determined, impact-driven, full-time Formulations Scientist with an eagerness for innovation to join the Delivery and Transformation team. The successful candidate will be highly organized and comfortable working as an integral member of a highly collaborative and interdisciplinary team in a fast-paced entrepreneurial environment. Excellent analytical, problem-solving, communication, record-keeping, and teamwork skills will be critical.

Key Responsibilities:

- Designing, testing, and optimizing RNA formulations
- Developing formulation strategies to improve ingredient stability and shelf life
- Developing and implementing assays for evaluating functionality, targeting efficiency, and potency of delivery modalities
- Performing analytical formulation characterization and stability studies
- Presenting scientific findings in cross-functional project team meetings, writing protocols and reports, and documenting results in electronic laboratory notebooks
- Providing technical guidance and mentorship to research associates
- Contributing to a dynamic, exciting culture that embraces teamwork and innovation

Qualifications:

- Ph.D. in Chemistry, Chemical Engineering, Biomaterials Science, or a related discipline or an MS in one of these fields and 8+ years of professional laboratory experience

- Demonstrated competency in formulation technology with a proven track record of product development, preferably in agriculture
- Experience formulating and delivering RNA-based molecules or products
- Advanced knowledge of encapsulation technologies
- Strong background in developing diverse agricultural formulations
- Hands-on experience operating analytical instruments to characterize formulations
- Knowledge and experience with scaling up agricultural formulations
- Excellent written and verbal communication skills and ability to work with a diverse interdisciplinary team
- Demonstrated organizational and record-keeping skills

About Flagship

Flagship Pioneering is a bioplatfrom innovation company that invents and builds platform companies, each with the potential for multiple products that transform human health or sustainability. Since its launch in 2000, Flagship has originated and fostered more than 100 scientific ventures, resulting in more than \$90 billion in aggregate value. Many of the companies Flagship has founded have addressed humanity's most urgent challenges: vaccinating billions of people against COVID-19, curing intractable diseases, improving human health, preempting illness, and feeding the world by improving the resiliency and sustainability of agriculture. Flagship has been recognized twice on FORTUNE's "Change the World" list, an annual ranking of companies that have made a positive social and environmental impact through activities that are part of their core business strategies, and has been twice named to Fast Company's annual list of the World's Most Innovative Companies. Learn more about Flagship at www.flagshippioneering.com.

Flagship Pioneering and our ecosystem companies are **committed to equal employment opportunity** regardless of race, color, ancestry, religion, sex, national origin, sexual orientation, age, citizenship, marital status, disability, gender identity or Veteran status.

At Flagship, we recognize there is no perfect candidate. If you have some of the experience listed above but not all, please apply anyway. Experience comes in many forms, skills are transferable, and passion goes a long way. We are dedicated to building diverse and inclusive teams and look forward to learning more about your unique background.

Recruitment & Staffing Agencies: *Flagship Pioneering and its affiliated Flagship Lab companies (collectively, “FSP”) do not accept unsolicited resumes from any source other than candidates. The submission of unsolicited resumes by recruitment or staffing agencies to FSP or its employees is strictly prohibited unless contacted directly by Flagship Pioneering’s internal Talent Acquisition team. Any resume submitted by an agency in the absence of a signed agreement will automatically become the property of FSP, and FSP will not owe any referral or other fees with respect thereto.*