

Cell biologist in RNA and protein delivery R&D

Research Scientist Position

Optimeos Life Sciences

Optimeos Life Sciences is pioneering the **next generation of RNA nanotechnology**. We are a venture-backed early-stage company commercializing a process developed in the Prud'homme Lab at Princeton University for the controlled delivery of mRNA, ASOs, MAbs, and proteins – addressing a growing multi-billion dollar industry. We have several programs with biopharmaceutical companies as well as our own NIH/NSF-funded internal programs.

Join a small and dynamic team at our lab space, located at the Princeton Innovation Center BioLabs. Gain invaluable biotech start-up experience and shape the future of Optimeos as we work to enable new therapeutic modalities.

Full-time

Experience Level: PhD (Some industry or post doc experience preferred)

Location: Princeton, NJ

Start Date: Fall 2021 (flexible)

Description:

Incumbent will bring strong biology training and expertise to bear on key challenges in RNA and protein drug delivery. Responsibilities will include leading cell-based characterization studies of formulations, optimizing for internalization, protein expression, and other desired attributes. The role will also entail assessing potential programs and partnerships for feasibility, grant writing, planning and managing outsourced *in vivo* studies, and developing new in-house capabilities. Some hands-on formulation work will be part of the role.

The role will encompass a wide range of tasks including:

- Leading molecular biology and cell biology aspects of the design and characterization of novel RNA and protein formulations
- Advancing Optimeos' capabilities for *in vitro* and *in vivo* evaluation of nanoformulations
- Consolidating and presenting research findings internally and, when possible, externally
- Proposal and patent writing in support of business development aims

Qualifications:

- PhD in a relevant field (Cell or Molecular Biology, Chemistry, Pharmaceutical Sciences, Pharmacology, etc.)
- Expertise in mammalian cell culture (required)
- Proficiency in standard techniques required, which may include microscopy, transfections, flow cytometry, gene expression, PCR/qPCR, etc.
- Experience with small animal studies and protocols (desired)
- Experience with protein, nucleotide, or peptide characterization (beneficial)
- Experience in pharmaceutical research (beneficial)
- Excellent communication and interpersonal skills.
- Self-motivated and self-directed.

If interested, or seeking more information, please contact:

info@optimeos.com