



Principal Scientist/Senior Principal Scientist, Downstream Purification Development (CMC)

Job Description

Carmin Therapeutics is an Esco Ventures X company pioneering a powerful new class of drugs based on engineered red blood cells extracellular vesicles (RBCEVs), founded by Esco Ventures and Professors Harvey Lodish, Minh Le and Jiahai Shi. Carmine's proprietary Red Cell EV Gene Therapy (REGENT™) platform is positioned to address some of the technological unmet needs related to the delivery of next generation therapeutic modalities such as nucleic acids. Carmine was awarded the 2019 Bristol-Myers Squibb's Golden Ticket to LabCentral (Cambridge, MA) and has established a research collaboration with Takeda Pharmaceuticals in a deal worth over \$900M USD. The company is well-capitalized to develop next generation non-viral gene therapies that would overcome most of the limitations of AAV-based gene therapy. Carmine is based both in Cambridge, MA as well as Singapore.

The CMC Team in Cambridge is looking for a Principal Scientist or Senior Principal Scientist to develop and implement purification schemes for RBCEVs. Reporting to the VP of CMC, this position will nucleate a downstream purification development team at Carmine and will create phase-appropriate purification processes for RBCEV development candidates.

Responsibilities

- Design and execute experimental plans in coordination with development objectives of the CMC team
- Assist in the recruitment, oversight, and mentoring of a team of scientists and research associates to develop a purification team within CMC
- Stay abreast of the latest scientific and competitive developments for EV purification and apply this knowledge to both team strategy and incoming development candidates
- Regularly communicate results to project teams and senior leadership; prepare presentations, reports, patent filings and external communications as required
- Contribute to building a culture that embraces scientific excellence and integrity with a sense of urgency and collaboration with key stakeholders
- Maintain and manage external CMO relationships with commercial partners
- Support the continued creation and expansion of company's intellectual property
- Perform other related duties incidental to the work described herein

Experience & Qualifications

- An experienced purification scientist with a Ph.D. in bioengineering or a related scientific discipline



Carmine Therapeutics Inc.

www.carminetherapeutics.com

700 Main Street, Cambridge, MA 02139

- Minimum 5 years of experience in purification in an industry setting, with novel modality experience preferred
- Demonstrated record of success with strong publication record or patent filings
- Experience in leading cross-functional teams in a CMC setting
- Knowledge of gene therapy/nucleic acid delivery/extracellular vesicles is an advantage
- Team oriented, highly motivated, execution focused with strong work ethic, ability to thrive in an entrepreneurial and multidisciplinary environment

Interested candidates, please submit a CV to tenzin.gocha@carminetherapeutics.com.