

Scientist / Sr Scientist: Lentivirus production

Obsidian Therapeutics is a biotechnology company developing next-generation cell and gene therapies with pharmacologic operating systems. Based upon founding work on destabilizing domains by Professor Thomas Wandless, a leading researcher in chemical and systems biology, Obsidian's lead programs are CAR-T products that incorporate controllable functions for enhanced safety and efficacy. We are looking for a highly talented, flexible, collaborative, dynamic scientist to be a key driver of our preclinical research efforts.

This role is a unique opportunity to be a partner and scientific contributor in a well-funded startup with blue chip investors, field-leading founders and advisors, and a highly experienced startup team. You will help us build a dynamic, passionate, collaborative, transparent and successful organization focused on delivering transformative therapies in oncology and other areas of greatest clinical need. Located in an energetic environment in the heart of Cambridge, Obsidian is an equal opportunity employer offering a competitive salary and benefits package. Resumes can be sent to jobs@obsidiantx.com.

Primary responsibilities

- Lead the gene delivery efforts to provide viral vectors for in vitro and in vivo use
- Lentivirus and retrovirus vector production, titration and quality control
- Viral transduction of diverse cell lines, especially primary cells
- Optimize and standardize current production/transduction protocols, adopt new techniques to improve yields, transduction efficiency, cost-effectiveness and scale production as needed
- Analysis of cell lines using quantitative PCR, western blot, ELISA, and FACS
- Design, plan, and execute experiments both independently and as part of a multidisciplinary team of researchers
- Interpret results, troubleshoot technical hurdles, and propose solutions to the team
- Enthusiastic team worker with strong interpersonal skills and commitment to work collaboratively in fast paced environment

Required Qualifications and skills

- PhD with 2+ yrs or BS/MS with 5+ yrs experience in mol/cell biology in biotech/pharma setting, with at least 2-3 yrs experience with all aspects of lentivirus and retrovirus production and stable cell line production (experience with transducing primary cell cells a plus)
- Experience in immunology / immuno-oncology is strongly preferred
- Experience in general molecular/biochemical assays for cell line analysis (quantitative PCR, western blot, ELISA, and FACS)
- Strong analytical, troubleshooting and communication skills, highly organized with flawless record keeping and multi-tasking abilities
- Highly collaborative working style and ability to adapt in a fast paced, rapidly developing environment