

Position description

EG 427, a French biotechnology company that pioneers a new approach in gene therapy called pinpoint gene therapy, is looking for its:

HSV-1 Gene Therapy Platform R&D Intern

EG427 is an early-stage gene therapy platform biotechnology company that is leveraging non-replicating HSV-1 based viral vectors to develop a novel class of innovative therapeutics. Our initial focus on peripheral nervous system (PNS) disorders is based on the unmet need coupled with the high potential of HSV-1 vectors to provide major clinical benefit in these areas. With headquarter in Paris (Cochin Hospital), our global footprint gives us the prospect to partner with leading organizations around the world, allowing us to deepen our understanding of disease mechanisms and progression.

Our team was built with deep expertise in gene therapy development, allowing us to efficiently advance our programs from pre-clinical to clinical development. Our experience in viral vector design, optimization and gene therapy manufacturing of herpesvirus viral vectors give us an alternative approach to developing gene therapies. Additionally, we are developing proprietary technology to potentially enable innovative gene therapy treatments in variety of indications.

Internship position within our Gene Therapy R&D team provides an opportunity for students who are currently pursuing a life sciences related degree to get hands on experience working with cutting edge tools in Gene Therapy field in a fast-paced research and development environment. Technologies that the intern will get familiarized with include various cell processing platforms, gene delivery tools, gene editing tools and Viral Vector platforms. The intern will contribute to product development initiatives related to gene therapy workflows at EG 427. The position is for 6 to 9 months.

Essential Functions

- Work under the guidance of the scientists to provide experimental support related to Gene Therapy tools for HSV-1 vector development
- Be involved with many aspects of vector and cell line development including experimental design and execution, troubleshooting, performing data analysis, and creating standard operating procedures and reports
- Learn and execute basic molecular biology, cell biology and mammalian cell culture techniques, including transfection, viral transduction, gene editing, PCR, digital PCR, sequencing, Western blotting
- Learn designing and bioprocessing of HSV-1 viral vectors and assist scientific staff in the process development and production of viral vectors, to support programs across the EG 427 portfolio of programs
- Document all experimental details and results in an electronic lab notebook (ELM) or in online tracking sheets
- Present results clearly and concisely at R&D group meetings
- Specific tasks will be tailored to the intern's experience level and abilities

The successful candidate will have the following preferred skills

- Currently pursuing a B.Sc. or rising M.Sc. Degree in Virology, Cell Biology, Biotechnology, Biochemistry, or an equivalent field

- Knowledge of gene therapy and viral gene transfer concepts
- Experience working in a laboratory setting is a plus
- A safety-first mindset and diligent adherence to safety requirements
- An ability to execute tasks independently
- Enjoys working in a dynamic, fast-paced environment and possesses good communication skills
- Ideal characteristics: detail-oriented, team-player, curious and eager to learn
- Strong verbal and written communication skills in English are essential

EG427 is an equal opportunity employer and values diversity within our company. We do not discriminate in any way. We make hiring decisions based solely on your experience and skills.