

Job description

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

Research Associate/Senior Research Associate Gene Therapy

Full time position
Paris, France

Overview

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, 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.

We are currently seeking a Research Associate/Senior Research Associate in virology to join EG427's team to develop a pipeline of HSV-1-based vectors for gene therapy. The successful candidate will have a strong scientific background in virology/cell biology and will be responsible for HSV-1 vector production and screening of vector candidates using assays to assess vector activity. This role offers ample opportunity for learning and growth in a biotech company that develops novel gene therapy.

Key responsibilities

- Perform day-to-day operations within the BSL2 laboratory
- Execute mammalian cell propagation, cell line expansion and maintenance including biobanking procedures
- Perform quantitative virological, molecular, biochemical, and cellular assays for evaluation of vector candidates (includes fluorescence-based assays, cell imaging assays and cell viability assays)
- Generate and maintain viral vector stocks
- Perform vector infectivity assays (plaque assays, IU titer, TCID50) and viral genome titer according to laboratory protocols and SOPs
- Performing standard molecular biology techniques (cloning, site-directed mutagenesis, gene silencing with siRNA/shRNA, plasmid prep, etc.)
- Conduct a wide range of laboratory experiments with a degree of independence in conducting research on virology, molecular and cell biology. Must be motivated to learn newly-developed experimental techniques. Performs complex techniques or procedures, protein and DNA electrophoresis, DNA and RNA isolation, light microscopy, in vitro culture
- Generate media and buffers, and maintain related laboratory equipment
- Interpret, summarize, and present experimental data, maintain detailed laboratory notebooks, record results in ELN
- May perform other duties as assigned

Requirements

- BSc or MSc degree or the equivalent in Virology, Cell Biology, Biochemistry Microbiology, or a related field
- 5+ years of hands-on cell culture experience and a familiarity with viral vector quantification and vector stock preparation techniques
- At least 1 year of relevant industry experience in the cell and/or gene therapy space
- Strong knowledge and hands-on experience in virus culture and vector characterization (plaque assay, TCID50, virus replication, virus neutralization, cell viability) is required
- Proficiency or familiarity in molecular biology, PCR/qPCR/ddPCR, cloning, gel electrophoresis, western blotting, and ELISA is preferred
- Hands-on experience in molecular biology and recombinant DNA techniques, including transfections and transductions of mammalian cells
- Excellent record keeping and data management skills
- Must have strong work ethic, must be self-motivated, flexible, able to multi-task, and meet timelines efficiently and productively
- Strong focus on technical troubleshooting skills. Able to work independently as well as in a team environment
- Candidate must be fluent in French and English

Complementary information

We look forward to receiving your application (as a single PDF file) including:

- Cover letter
- Resume
- Contact details of three referees
- Miscellaneous documents (if any) to support your application

Please send your application to info@eg427.com

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.