

Research Associate/Senior Research Associate, Process Development

Company Overview

GC Therapeutics is the first genome-wide cell landscape exploration company using an integrated synthetic biology and AI-driven platform for cell programming. Its patent-pending and proprietary pluripotent stem cell differentiation technology platform TFome™ was developed in Professor George Church's lab, a pioneer in synthetic biology, and allows for the development of unique cell therapies with significantly streamlined manufacturing, improved cell quality, efficiency, and speed. GC Therapeutics is based in Cambridge, MA. For additional information, please visit www.gc-tx.com.

Job Purpose

We are seeking a talented and detail-oriented individual to join our growing stem cell research group as a research associate. This candidate will be responsible for the maintenance, differentiation, and functional analysis of pluripotent stem cell (PSC) lines and their derivatives to support the development of cell-based therapeutics. The candidate should be familiar with the concept of Design of Experiments (DOE).

Duties and Responsibilities

General Laboratory Roles:

- Participate in the design, planning and execution of experiments.
- Make observations, analyze results, and maintain a detailed laboratory journal.
- Summarize results and create presentations for internal group meetings.
- Work with other members of the research team and within GCTx to accomplish company goals.
- Follow all safe laboratory practices and company policies.

Experimental Techniques:

Cellular Biology:

- Culture PSC lines including maintenance and analysis (e.g. cell culture, transfection, selection, preparation of media, passaging, cryopreservation).
- Perform cell type differentiation, characterization and experimental endpoint analysis including flow cytometry, ELISA and microscopy.
- Perform DOE studies to optimize parameters affecting engineered cell line differentiation and stability.

Molecular Biology:

- Utilize techniques including PCR, molecular cloning, and plasmid isolation.

Qualifications

Essential Qualifications:

- Experience with mammalian cell culture and preferred experience with PSCs.
- BSc with 5+ years or MSc with 3+ years of relevant industry experience in molecular and cellular biology, bioengineering, biochemistry, or related discipline.
- Proven experience in molecular biology laboratory techniques.
- Strong project management and organizational skills and ability to prioritize and multitask.
- Effective communication with excellent organization and interpersonal skills.
- Ability to work in a laboratory environment approximately 75% of the time including weekend hours.

Additional Preferred Qualifications:

- Ability to conduct high quality presentations at internal meetings.
- Authorship on scientific reports and manuscripts.
- Experience in gene expression analysis and next generation sequencing.



GC Therapeutics, Inc.
610 Main St., North
Cambridge, MA 02139
info@gc-tx.com

www.gc-tx.com

- Knowledge of R, Python, Bionano instrument and FlowJo.
- Familiarity with techniques used to measure genome integrity and off target characterization.
- Familiarity with automation and cell cloning.
- Basic knowledge of cell culture manufacturing principles, risk assessments (FMEA), Chemistry, Manufacturing, and Controls (CMC) principles, and tech transfer

Interested? Contact recruiting@gc-tx.com to apply!

Send your CV with the subject "Research Associate/Associate Scientist, Process Development".

Equal Opportunity Workplace: GC Therapeutics is an equal opportunity employer. We provide equal employment opportunities to all applicants for employment and existing employees without regard to ancestry, national origin, place of birth, race, color, gender, sexual orientation, marital status, pregnancy, religion, age, disability, gender identity, results of genetic testing, service in the military or otherwise to the full extent of all federal, state and local laws. GC Therapeutics' equal employment opportunity policy applies to all terms and conditions of recruiting, hiring, placement, training, compensation, transfer, leave of absence, employment, promotion, layoff and termination of employment.