

**Job Profile for Principal/Senior Scientist**

March 2019

QUENCH BIO is a seed-stage biotech company in stealth mode. We are focused on developing novel, small molecule drugs in the auto-inflammation arena. We have solid financial backing by both Atlas Venture and Arix Biosciences plc. We have office space in the Atlas Venture offices in Technology Square, Cambridge, MA and lab space in the highly-collaborative LabCentral just 2 blocks from Atlas Venture .

We seek an experienced immunologist or cell biologist to join our team. This position offers the opportunity to join an immunology/inflammation-focused start-up from its inception, helping us to shape both the team and the drug discovery pipeline. With one program in-licensed from the Max Planck Institute and a goal of bringing 1-2 more programs into the company in the coming 12-24 months, we have a rich foundation on which to build an exciting company. The role requires a self-motivated scientist with superior communication and organizational skills who can work collaboratively as part of a high-performing team.

**Job Requirements:**

- Design, develop and optimize cell-based assays of cytokine expression and release in engineered cell lines and primary human immune cells derived from peripheral blood
- Design, develop and optimize cell-free, biochemical/biophysical assays of receptor binding and function
- Document, analyze, interpret and present experimental data in a clear and concise manner
- Proactively recognize and solve technical and scientific issues to ensure high quality data are generated for the progression of drug discovery projects
- Read and interpret the latest scientific literature involving inflammasome research and techniques – actively summarize and communicate key new publications to larger team
- Contribute to the design and interpretation of rodent models of inflammation and autoimmunity
- Contribute to building a positive, team-oriented biotech culture

**Education, Experience and Characteristics:**

- Extensive hands-on experience with:
  - Cellular assay development including transient and stable transfection of inducible constructs for regulated gene expression
  - Plate-based endpoint assay instruments (e.g., multi-functional fluorescent plate readers, luminometers, Incucyte, high content platforms)
  - ELISA, HTRF, and/or cytometric bead-based (e.g., Lumiex) quantification of cytokines and/or secreted proteins
  - Isolation and purification of immune cells from human blood products (e.g. RosetteSEP purification of CD14+ monocytes from buffy coat preparations)
  - Flow cytometry staining, acquisition, and data analysis
  - Preparation of a wide variety of sample types and application of multiple downstream applications (e.g., protein isolation and Western blotting, RNA isolation for RNAseq and qRT-PCR, membrane preparations for biochemical assays of receptor function)

- Preferred: PhD in immunology or cellular & molecular biology or post-doc research experience in innate immunity/myeloid cell biology
- Demonstrated self-motivation and time management to efficiently conduct multiple laboratory and project tasks efficiently with little oversight
- Ability to work in a team-oriented environment and demonstrate attention to detail and record keeping
- Flexibility to rapidly adapt workplans to changing priorities and deadlines
- Experience with in vivo inflammatory/autoimmune/metabolic or cardiovascular disease models is not necessary but is desired
- Downstream statistical and bioinformatics analysis is desired, but not necessary

Interested candidates please contact:

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Chief Scientific Officer

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