**Title: Scientist/Senior Scientist, Biochemistry**

**Department: Drug Discovery**

**Reports to: Senior Scientist II, Biochemistry**

**Location: Cambridge, MA**

**Casma Overview**

Casma Therapeutics is harnessing autophagy by developing a novel degradation technology to open new target areas for drug discovery and development that will profoundly impact the lives of patients. Autophagy is a conserved cellular process that contributes to overall organismal health, but when autophagy is perturbed, inefficient autophagic flux contributes to numerous diseases. By selectively boosting autophagy, Casma expects to be able to arrest or reverse the progression of several diseases such as neurodegeneration, metabolic disorders, inflammation, and muscle degeneration. Casma was launched in 2018 by Third Rock Ventures and recently completed a Series B financing led by The Column Group with participation by new investors Eventide and Schroeder Adveq.

**The Role**

We are seeking an exceptional Scientist with expertise in biochemistry, biophysics and assay development to establish biochemical/biophysical assays for drug discovery. In this role you will be expected to be an integral part of drug discovery programs and work closely with members of the lead discovery team as well as biology and chemistry partners both internally and externally. At the bench, you will create and validate assays which will be transferred to external partners for high throughput screening (HTS) purposes. Your ability to manage and provide direct support for initial assay concept and design, reagent procurement, assay development, external assay transfer for HTS, data interpretation and hit follow up with orthogonal assays is critical to success. You will also help understand the binding mechanism of small molecule ligands to a variety of target proteins. We are seeking a qualified candidate who will share our excitement about the science, contribute to our culture, and honor our commitment to patients.

**Responsibilities**

* Contribute in the lab to the conceptual design, development, and implementation of biochemical/biophysical assays using HTRF, AlphaLISA, SPR, thermal shift assays, affinity selection mass spectrometry and other state-of-the-art techniques.
* Write detailed protocols and effectively troubleshoot issues, in order to partner with CROs.
* Build positive relationships and work directly with our external partners – both academic and CRO – to transfer biochemical and biophysical assays.
* Translate novel autophagy biology targets into assays for small molecule drug discovery.
* Utilize instrumentation and robotics to aid in high throughput methodologies.
* Independently interpret data, recommend next steps, and engage colleagues for advice/questions.
* Demonstrate the ability to take the lead and prioritize sensitive projects.

**Requirements + Qualifications**

* BS/MS with 5 to 10+ years or PhD with 3 to 5 years of drug discovery experience at a biotech or pharmaceutical company.
* Strong background in biochemistry, enzymology, biophysics, automation and screening technologies, experience with bifunctional compounds/PROTACs a plus.
* Hit-to-lead characterization of small molecule candidates for multiple protein/enzyme classes.
* Experience and capability to work with outside vendors, including CROs.
* Experience incorporating lab automation and liquid handling systems to increase assay throughput.
* Strong interpersonal and collaboration skills.
* Clear and effective verbal and written communication skills.
* A demonstrated ability to think logically and critically.
* Ability to successfully participate in a highly-creative and enthusiastic start-up environment.
* Exemplify a patient-first focus, courage, integrity, drive, and respect for all team members.

**Company Values + Culture**

**C**ourage to listen, learn, lead, **A**wesome science, **S**trength through collaboration,

**M**edical breakthroughs for patients, **A**lways do the right thing

We have created and are sustaining a creative scientific culture where we recognize and reward our “Casmaniacs” for exemplifying our Core Values, and we accelerate our professional growth through coaching, development, and frequent feedback. Our plan of nurturing the fiercest, most talented and diverse Casmaniacs is coming to fruition before our very eyes.

Casmaniacs are provided competitive salaries, stock options, bonus eligibility, and excellent benefits including health, dental and vision insurance, life insurance, long-term disability, 401(k), unlimited vacation, generous parental leave, commuter reimbursement, professional development, philanthropic opportunities, and most importantly a sense of community.

**Equal Employment Opportunity**

Casma provides equal employment opportunities to all employees and applicants for employment without regard to race, color, national origin, religion, sexual orientation, gender, gender identity or expression, age, veteran status, disability, pregnancy or conditions related to pregnancy, or genetics.

**Apply Today!**

If you would like to learn more, please send us your resume and anything else you would like to share to careers@casmatx.com.