

## Scientist I II Complex Ex Vivo Systems

### Description

Are you ready to play a pivotal role in critical ex vivo validation experiments and research activities to support Gordian's development of novel drug candidates? We've shown that our platform predicts preclinical and clinical physiological responses from in vivo Mosaic screens. You'll be at the center of a fast-paced team of scientific experts using our platform to run discovery screens for more therapeutic targets than ever before, in the most realistic models of disease! The Destination: Gordian Biotechnology is a therapeutics company whose mission is to cure age-related diseases and ultimately allow people to lead longer, healthier lives. Traditional ex vivo screening methods have failed to produce effective treatments, as age-related diseases have complex causes that include interactions with the aged environment. To address this problem, Gordian's platform is the first and only to enable pooled in vivo tests at scale in our proprietary "patient avatars". We are able to deliver and test hundreds of therapeutics in individual animals, and scale efficacy testing to cover every therapeutic target at the beginning of the drug discovery process (more info on our website). We can choose targets that really impact disease biology, to develop and commercialize therapies for the world's deadliest diseases, and eventually for the processes of aging itself. The Journey: Our mission is audacious, and the path will be full of both challenges and excitement. Two things characterize the Gordian experience: 1) We work as a team, with ownership in our own roles and trust in each other. 2) We strive for extraordinary outcomes, and in doing so grow our skills and capability. Team Relying on each other begins with transparency. We set clear goals, visibly connecting individuals and teams to our company objectives. This empowers each of us to make autonomous decisions about our work, knowing how they will affect the bigger picture. Our communication happens out in the open. We give and receive feedback from a perspective of helping each other grow, share mistakes, and ask for help. Extraordinary Every day, we ask ourselves "How could this process/outcome be even better?". Knowing our overall mission, we do what we think helps us make the most progress, without asking for permission. We don't shy away from big challenges or unknown territory, but find a way to excel. Our colleagues are amazing, both at what they do and as people. They inspire us to keep up, to not let them down, and be inspiring in return. Like any cutting-edge research environment, Gordian doesn't believe in a standard 9 to 5 day. We set ambitious project goals and support each other to meet them, while maintaining the balance individuals need to thrive and achieve excellence. Our team is geared towards helping each other out and maintaining a culture of intellectual and social fun. We like getting things done and keep standing meetings to a minimum. This year, in accordance with our unlimited vacation policy, each member took an average of 4.5 weeks of (offline) vacation, not including major holidays. We unwind with weekly team lunches, and support each others' projects both experimentally and by "pre-mortem" meetings to discuss possible failure modes and experimental design. If this environment sounds appealing, help us bring it to life. We are at the beginning of a long journey, and want both your ability and your personality along for the ride. Our culture is a source of great pride; it represents both who we are, and who we wish to be. You can dive deeper here: <https://www.gordian.bio/culture/About> the Role: Your primary mission as Scientist, Complex Ex Vivo Systems is to design and oversee ex vivo experiments to validate our screen results for our HFrEF & IPF disease programs. Specifically, you will architect experimental designs, set up new assays and evaluate the safety, efficacy, and mechanism of action of potential therapeutic targets. Your focus at Gordian is for the validation or elimination of screen hits to happen as early as possible. Gordian is unique in that our in vivo discovery delivers results at a far greater scale

### Hiring organization

Gordian Biotechnology

### Job Location

South San Francisco, CA

### Base Salary

\$ 95000 - \$ 125000

### Date posted

June 1, 2024

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than even the largest pharma company. This means that we aren't dependent on the success of a single target, but can survey the landscape of disease biology for the most promising target (or combination of targets) before moving to therapeutic development. You'll work closely with our heads of disease biology, managing experimental schedules, and developing assays for in vivo and ex vivo workflows and setting up ex vivo systems to drive forward validation plans for our HFPeF and IPF programs. In your first month you'll become familiar with our technology and workflows, developing a strong understanding of the role of the preclinical team at Gordian. You'll become proficient in our established ex vivo cultures and use your expertise to generate a plan for onboarding one new ex vivo system. Additionally, you'll work with therapeutic area heads and consultants to generate a plan for onboarding human precision cut lung and heart slices. By 2 months, you'll have set up one complex ex vivo system, owning the entire project, both establishing robust culture methods and optimizing the delivery. You will also start to generate pilot data for a second ex vivo system. At 3 months, you'll generate SOPs for one ex vivo system and onboard and train teammates on the method. You'll have established robust culture methods / delivery for the second ex vivo system. Additionally you'll have initiated the validation of 10 targets in one ex vivo system as well and by month 4 you'll have one the same in a second ex vivo system. By 6 months, you'll have completed the first round of target validation for two ex vivo systems. And You: You want a chance to do your best work, immerse yourself and excel, alongside people who will inspire you and whom you'll be excited to spend your days with. You want to play a key role in an early-stage startup: A fast-paced environment full of both uncertainty and new challenges, demanding relentless resourcefulness. You are excited to use cutting-edge technology to find the best therapeutic targets, and turn those into drugs. You have experience in Mammalian cell culture with specific expertise in complex protocols (e.g. iPSC culture, slice cultures, organoids). Ideally you have done long term culture of heart tissues, human iPSCs and ESC culture and differentiation. You have experience in human ex vivo culture systems, specifically, with human cardiomyocytes and with human precision cut lung slices. You're experienced in RT-QPCR for gene expression in cell and tissue samples as well as Cryosectioning tissues. You're experienced with ELISAs, western blot, histology and image analysis (eg: ImageJ) and can effectively interpret the data results. You have deep experience in assay development (experience with hydroxyproline assays is a plus). You have experience managing and collaborating on time-sensitive projects, and are comfortable guiding and collaborating across multiple teams to execute experiments at a scale beyond any single person. Experience working in industry and working with Lentiviruses/AAVs are both pluses. The Details: Gordian aims to provide everything you need to thrive. Beyond our community and science, you'll have enough equity to be a true stakeholder in the company, competitive salary, full health/dental/vision/life insurance, 401k with match, onsite lunch paid for 3 days a week, an onsite gym, whatever vacation you need to be at your peak, remote work flexibility, and access to world-class mentors and advisors to support your professional growth. Our building is in the heart of the biotech capital of South San Francisco. \$115,000 - \$150,000 a year. Please mention the word **\*\*GRATIFIED\*\*** and tag RMjE2LjI0NS4yMjEuOTE= when applying to show you read the job post completely (#RMjE2LjI0NS4yMjEuOTE=). This is a beta feature to avoid spam applicants. Companies can search these words to find applicants that read this and see they're human.

## Contacts

Job listing via RemoteOK.com