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Compbio Data Scientist

South San Francisco, CA

Apply

The Opportunity

State-of-the-art technologies that measure multiple cellular aspects are at the heart of Insitro's efforts to accelerate drug development. Computational biology is key to translate measurements into actionable outcomes through clinically relevant insights derived from rich datasets generated in-house.

We are looking to hire a new team member with expertise in omics-based analyses, including deep understanding of single cell transcriptomics (e.g. perturbation screens), and fluent with state-of-the-art analysis techniques (e.g. large scale atlas integration). Your expertise will help the team navigate the complexities of transcriptomics data and ensure that the tools being developed are accurate and effective, and that the analyses are performed to the highest rigor and in line with best practices in the field.

In this role, you will directly impact all target prioritization efforts, advance our understanding of diseases and aid the development of new treatments. In general, as a computational biologist at insitro, you will be in charge of performing analysis of large scale datasets with an emphasis on multimodal measurements and data integration. You will utilize diverse machine learning and bioinformatic methods to perform downstream analysis and integrate omics, imaging, and human cohort data in order to extract insights about disease mechanisms. You will be part of a cross-functional team of life scientists, data scientists, bioengineers, software engineers, and machine learning scientists that strive to identify therapeutic targets and develop drugs of high efficacy and low toxicity.

You will be joining a vibrant biotech startup that has long-term stability, due to significant funding, and is in a high growth phase, and you will have many opportunities for significant impact. You will work closely with a very talented team, learn a broad range of skills, and help shape insitro's culture, strategic direction, and outcomes. Join us, and help make a difference to patients!

Responsibilities

- Ph.D. in computational biology, systems biology, engineering, machine learning, or a related discipline, with 3+ years of working experience post graduation.
- Extensive hands on experience analyzing single-cell and bulk RNA-seq data
- Experience with spatial transcriptomics and/or proteomics
- Some understanding of human physiology or disease biology (e.g. neurosciences, cancer biology).
- Experience analyzing data from CRISPR-based experiments (i.e. perturb-seq)
- Strong programming skills in scientific programming languages (i.e., Python)
- Committed to writing well-commented code and documentation, and familiarity with coding best practices (i.e. version control, code review)
- Ability to communicate effectively and collaborate with people of diverse backgrounds and job functions
- Publication record of meaningful contributions to high-quality work in relevant computational biology, systems biology, life sciences, or biomedical venues
- Passion for making a difference in the world

About You

- Experience working with diverse functional genomic assays data (RNA/ATAC/ChIP-seq, etc)
- Hands on experience working with microscopy data or similar biomedical or biophysical imaging modalities
- Understanding of systems biology approaches, including network analysis
- First-hand experience studying diseases using omics or imaging data
- Experience with proteomics and/or metabolomics data generated through mass spectrometry
- Passionate about troubleshooting, asking questions and learning independently
- Experience with modeling time-series datasets
- Familiarity with cloud computing services (e.g., AWS or azure)
- Demonstrated ability to write software in a team, industry experience or substantial involvement with open source projects.
- Experience building infrastructure for data processing

Compensation & Benefits at insitro

Our target starting salary for successful US-based applicants for this role is \$200,000 - \$225,000. To determine starting pay, we consider multiple job-related factors including a candidate's skills, education and experience, market demand, business needs, and internal parity. We may also adjust this range in the future based on market data.

This role is eligible for participation in our Annual Performance Bonus Plan (based on company targets by role level and annual company performance) and our Equity Incentive Plan, subject to the terms of those plans and associated policies.

In addition, insitro also provides our employees:

- 401(k) plan with employer matching for contributions
- Excellent medical, dental, and vision coverage (insitro pays 100% of premiums for employees on our base plans), as well as mental health and well-being support
- Open, flexible vacation policy
- Paid parental leave
- Quarterly budget for books and online courses for self-development
- Support to occasionally attend professional conferences that are meaningful to your career growth and development
- New hire stipend for home office setup
- Monthly cell phone & internet stipend
- Access to free onsite baristas and cafe with daily lunch and breakfast
- Access to free onsite fitness center
- Commuter benefits

insitro is an equal opportunity employer. All applicants will be considered for employment without attention to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran or disability status.

We believe diversity, equity, and inclusion need to be at the foundation of our culture. We work hard to bring together diverse teams—grounded in a wide range of expertise and life experiences—and work even harder to ensure those teams thrive in inclusive, growth-oriented environments supported by equitable company and team practices. All candidates can expect equitable treatment, respect, and fairness throughout the interview process.

About insitro


insitro is a drug discovery and development company using machine learning (ML) and data at scale to decode biology for transformative medicines. At the core of insitro's approach is the convergence of in-house generated multi-modal cellular data and high-content phenotypic human cohort data. We rely on these data to develop ML-driven, predictive disease models that uncover underlying biologic state and elucidate critical drivers of disease. These powerful models rely on extensive biological and computational infrastructure and allow insitro to advance novel targets and patient biomarkers, design therapeutics and inform clinical strategy. insitro is advancing a wholly owned and partnered pipeline of insights and therapeutics in neuroscience, oncology and metabolism. Since launching in 2018, insitro

has raised over \$700 million from top tech, biotech and crossover investors, and from collaborations with pharmaceutical partners. For more information on insitro, please visit www.insitro.com.

Apply for this job

* indicates a required field

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Last Name *

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Phone *

Resume/CV *
[Attach](#), [Dropbox](#), [Google Drive](#), or [enter manually](#)
Accepted file types: pdf, doc, docx, txt, rtf

Cover Letter
[Attach](#), [Dropbox](#), [Google Drive](#), or [enter manually](#)
Accepted file types: pdf, doc, docx, txt, rtf

LinkedIn Profile

Website

Voluntary Self-Identification

For government reporting purposes, we ask candidates to respond to the below self-identification survey. Completion of the form is entirely voluntary. Whatever your decision, it will not be considered in

the hiring process or thereafter. Any information that you do provide will be recorded and maintained in a confidential file.

As set forth in insitro’s Equal Employment Opportunity policy, we do not discriminate on the basis of any protected group status under any applicable law.

Gender

Select...

▼

Are you Hispanic/Latino?

Select...

▼

[Race & Ethnicity Definitions](#)

If you believe you belong to any of the categories of protected veterans listed below, please indicate by making the appropriate selection. As a government contractor subject to the Vietnam Era Veterans Readjustment Assistance Act (VEVRAA), we request this information in order to measure the effectiveness of the outreach and positive recruitment efforts we undertake pursuant to VEVRAA. Classification of protected categories is as follows:

A "disabled veteran" is one of the following: a veteran of the U.S. military, ground, naval or air service who is entitled to compensation (or who but for the receipt of military retired pay would be entitled to compensation) under laws administered by the Secretary of Veterans Affairs; or a person who was discharged or released from active duty because of a service-connected disability.

A "recently separated veteran" means any veteran during the three-year period beginning on the date of such veteran's discharge or release from active duty in the U.S. military, ground, naval, or air service.

An "active duty wartime or campaign badge veteran" means a veteran who served on active duty in the U.S. military, ground, naval or air service during a war, or in a campaign or expedition for which a campaign badge has been authorized under the laws administered by the Department of Defense.

An "Armed forces service medal veteran" means a veteran who, while serving on active duty in the U.S. military, ground, naval or air service, participated in a United States military operation for which an Armed Forces service medal was awarded pursuant to Executive Order 12985.

Veteran Status

Select...

▼

Voluntary Self-Identification of Disability

Why are you being asked to complete this form?

We are a federal contractor or subcontractor. The law requires us to provide equal employment opportunity to qualified people with disabilities. We have a goal of having at least 7% of our workers as people with disabilities. The law says we must measure our progress towards this goal. To do this, we must ask applicants and employees if they have a disability or have ever had one. People can become disabled, so we need to ask this question at least every five years.

Completing this form is voluntary, and we hope that you will choose to do so. Your answer is confidential. No one who makes hiring decisions will see it. Your decision to complete the form and your answer will not harm you in any way. If you want to learn more about the law or this form, visit the U.S. Department of Labor's Office of Federal Contract Compliance Programs (OFCCP) website at www.dol.gov/ofccp.

How do you know if you have a disability?

A disability is a condition that substantially limits one or more of your "major life activities." If you have or have ever had such a condition, you are a person with a disability. **Disabilities include, but are not limited to:**

- Alcohol or other substance use disorder (not currently using drugs illegally)
- Autoimmune disorder, for example, lupus, fibromyalgia, rheumatoid arthritis, HIV/AIDS
- Blind or low vision
- Cancer (past or present)
- Cardiovascular or heart disease
- Celiac disease
- Cerebral palsy
- Deaf or serious difficulty hearing
- Diabetes
- Disfigurement, for example, disfigurement caused by burns, wounds, accidents, or congenital disorders
- Epilepsy or other seizure disorder
- Gastrointestinal disorders, for example, Crohn's Disease, irritable bowel syndrome
- Intellectual or developmental disability
- Mental health conditions, for example, depression, bipolar disorder, anxiety disorder, schizophrenia, PTSD
- Missing limbs or partially missing limbs
- Mobility impairment, benefiting from the use of a wheelchair, scooter, walker, leg brace(s) and/or other supports
- Nervous system condition, for example, migraine headaches, Parkinson's disease, multiple sclerosis (MS)

- Neurodivergence, for example, attention-deficit/hyperactivity disorder (ADHD), autism spectrum disorder, dyslexia, dyspraxia, other learning disabilities
- Partial or complete paralysis (any cause)
- Pulmonary or respiratory conditions, for example, tuberculosis, asthma, emphysema
- Short stature (dwarfism)
- Traumatic brain injury

Disability Status

Select...



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