Bioinformatics Scientist
Recombine - New York, NY

Join the Recombine Team as a Bioinformatics Scientist (New York, NY)

Want to be a part of clinical and translational research studies that could lead to the development of new and innovative genetic testing products? Are you process-oriented and take pride in your analyses? Are you comfortable working both independently and in collaboration with others developing quantitative models and algorithms? If yes, come work with us as a Bioinformatics Scientist!

What is Recombine?
Recombine seeks to develop the most comprehensive and cost-effective patient-and-doctor friendly approach to genetic testing. Our first product, the CarrierMap, helps identify couples at risk of passing a genetic disease to their children by testing before pregnancy. Our newest product, FertilityMap, is in the midst of a multi-center validation study and strives to provide personalized genomic information about infertility and recurrent pregnancy loss. Our company was founded by experts in fertility, clinical genetics, bioinformatics and computer science brought together with one goal in mind: to improve health outcomes based on accessible and actionable genetic testing.

Why Work at Recombine?

• Above all, you will be working on a team with some of the most passionate and intelligent scientists in the fields of fertility and genetics.
• Our office located in the heart of the Flatiron District in New York City. You will be a part of an enthusiastic and collaborative team that is focused on bringing genetic testing to a wide audience.
• We find the right people to help us find the best solution to every problem. In your position, you will have the opportunity to help grow Recombine and build the culture that will revolutionize genetics.
• We have partnered with some of the top IVF Clinics in the country. Our team and advisors are routinely recognized for their work in reproductive genetics. We work with and employ many of the luminaries in this field.
• We love to solve difficult problems, and we are constantly looking to innovate. This culture of continual innovation is one of the greatest fulfillments of the job.

What Role Will I Fill?

• Extract actionable insights from large volumes of genomic data collected during the duration of the study form chip genotyping and sequencing pipelines.
• Collaborate with the bioinformatics and clinical study teams to integrate genomic information with medical history.
• Develop computational and statistical analyses that investigate the association between infertility and genetic variants, including (but not limited to) machine learning algorithms
• Aid in maintaining our database and curating disease models.
• Participate in variant interpretation and phenotype analysis, assist with preparation of manuscripts, and guide clinical study design and data collection implementation.
• Prepare reports and presentations for clinical partners and the medical/scientific community on study progress, results and next steps

What Qualifications, Skills & Abilities Should I Have?

• Advanced degree (Ph.D. preferred) in Statistics, Math, Engineering, Physical Sciences, Computer Sciences or another quantitative discipline
• Previous experience integrating human genomic and disease phenotypic data to predict associations between genetic variants and disease diagnoses
• Working knowledge of Illumina chip genotyping and sequencing pipelines
• Fluent in modern advanced analytical tools and programming languages (e.g. Python, R, Ruby, etc.)
• Previous practical experience implementing statistical principles and machine learning algorithms to large genomic datasets
• Curious and pragmatic. We want you to be excited about the project and able to ask the right questions
• Comfortable with problem-solving and the ability to identify and resolve issues quickly
• Strong verbal communication skills and ability to discuss data, modeling, and analytics with technical and non-technical audiences
• Experience analyzing data generated by clinical research studies

If you are excited to join a fast-paced and collaborative team in New York City, please send your resume or CV to sara@recombine.com.