Role - Modeling and Simulation Scientist/Computational Biologist

Role Description
We’re looking for a lead systems’ biology expert with a deep knowledge in pharmacokinetics and associated mathematical models. He/she will eventually be in charge of a group of engineers and computational biologists to build a proprietary drug discovery platform that has the potential to disrupt the existing drug discovery process, including clinical trials.

Necessary Skills and Experience
Over 3 years of experience with mathematical modeling and simulation.
Strong skills in developing/implementing mathematical models to solve complex biological problems
In depth knowledge of numerical methods, optimization and programming (Matlab, C and Python)
Solid competences in PK/PD modeling techniques and population approaches
Proficient in mathematics, have a general knowledge of biology, biochemistry, lipid biochemistry, immunology, and/or toxicology,
Good competences in data analysis: regression, statistics, and classification algorithms. Ideal candidates will have a Ph.D. or equivalent degree in engineering, pharmaceutical sciences, or other life science areas with 3+ years of experience in the pharmaceutical or CRO space, or a M.S. or equivalent degree with 7+ years of experience. They will have experience with appropriate software platforms in each of these areas (e.g. MATLAB, GastroPlus™, SimCYP, C++ programming). Finally, they will have an extensive knowledge of the drug development process and how to apply modeling and simulation to the process for maximum impact.

Annual starting salary range: $100K - $120K with company equity

Interested candidates email at: info@verisimlife.com

About us
VeriSIM Life, a Venture backed startup is building AI enabled biosimulation models to tackle one of the biggest obstacles of drug development: animal testing for drug development. Animal testing is slow, ethically questionable, and doesn't act as much of a filter: 92% of all drug candidates that pass this preclinical testing never make it to market. VeriSIM's solution is to create disease-specific biosimulation models, which allow researchers at pharma companies to model in software how a drug will interact in animals/humans. This will allow researchers to test 1000x more potential candidates in the same unit of time, ensuring that drugs that do make it to (human) clinical trials are far more likely to work, and therefore saving millions in annual costs.

To learn more, visit our podcast:
VeriSIM Life launched How Technology Is Changing Drug Development -
https://soundcloud.com/venturestories/episode-19-how-technology-is