



Engineer, PhysioPD™

Engineers work with Scientists in our PhysioPD practice to develop physiologically-based, dynamic mathematical models and conduct simulations of disease, drug action, and (pre)clinical studies.

Engineers are responsible for:

- Developing physiologically-based dynamic mathematical models and conducting simulations of disease, drug action, and (pre)clinical studies;
- Working in conjunction with Rosa Scientists to cultivate data in support of model construction and interpretation;
- Defining key issues, presenting results, and developing associated reports;
- Leading projects, assisting with client relationship management, and participating in Rosa's business management, depending on the candidate's experience and professional goals.

The ideal Engineer candidate will have:

- A post-graduate degree in chemical engineering, control systems, applied mathematics, physics, statistics, bioengineering, or a related quantitative field with emphasis on nonlinear dynamic systems and control theory;
- A minimum of two (2) years of relevant industry experience in, for example, mathematical modeling and simulation, control system modeling, or pharmacometrics;
- Experience or a strong interest in applying modeling to life sciences or drug development;
- Proficiency with industry-standard dynamic modeling software such as MATLAB/SimBiology;
- Demonstrated ability to address complex drug development problems with incisive modeling approaches, excellent written and verbal communication skills, and ability to work both independently and collaboratively as part of a Rosa-client joint project team.

Rosa is a virtual office company. Relocation is not required.

For more information, contact Christina Friedrich, Chief Engineer, hr@rosaandco.com