

Job Positions at Rosa & Co. LLC

Biological Systems Modeler

Rosa & Co. LLC is seeking Biological Systems Modelers to join our PhysioPD™ consulting practice. PhysioPD is a type of mechanistic quantitative systems pharmacology (QSP) modeling.

Rosa is a drug-disease modeling and simulation company created to provide innovative modeling solutions to its pharmaceutical clients and meaningful equity ownership to its employees. See www.rosaandco.com.

Biological Systems Modelers work with Life Scientists in our PhysioPD practice to develop QSP models and conduct simulations of disease, drug action, and (pre)clinical studies.

Biological Systems Modelers 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 presentations and reports;
- Assisting with client relationship management, and participating in Rosa's business development, depending on the candidate's experience and professional goals.

The ideal Biological Systems Modeler candidate will have:

- A PhD in bioengineering, pharmacology/pharmacometrics, systems biology, chemical engineering, applied mathematics, physics, or a related quantitative field with experience in nonlinear dynamic systems and control theory;
- A minimum of two (2) years of relevant pharmaceutical industry experience in, for example, quantitative systems pharmacology (QSP), mathematical modeling and simulation, or pharmacometrics;
- Proficiency with industry-standard dynamic modeling software such as MATLAB/SimBiology or R;
- Excellent written and verbal communication skills, and ability to work both independently and collaboratively as part of a Rosa-client joint project team;
- An understanding of the pharmaceutical R&D process and experience in applying modeling to support decision-making in that context is highly desirable.

Full and part-time employment and project-based contracting opportunities are available throughout the United States. Interested individuals should email their resume or CV and an introductory letter to hr@rosaandco.com.

Rosa is an equal opportunity employer. Upon hiring, proof of eligibility to work in the United States will be required.



Associate Life Scientist and Senior Life Scientist, PhysioPD

Rosa & Co. LLC is seeking Associate and Senior Life Scientists to join our PhysioPD™ consulting practice. PhysioPD is a type of mechanistic quantitative systems pharmacology (QSP) modeling.

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

Life Scientists are responsible for:

- Data mining and interpretation to support the construction of mathematical models.
- Identifying and implementing realistic laboratory and clinical tests for validating models, and conducting simulations of disease, drug action, and preclinical and clinical studies;
- Defining key issues, presenting results, and developing associated regulatory reports
- Leading overall projects, assisting with client relationship management, and participating in Rosa's business management, depending on the candidate's experience and professional goals.

The ideal Life Scientist candidate will have:

- A post-graduate degree in clinical pharmacology, medicine, physiology, biophysics, biochemistry, or a related field, preferably with a focus on quantitative analysis;
- For Senior Life Scientists, a minimum of five (5) years of relevant industry experience; for example, in pharmacology, physiology, biophysics, biochemistry, or physical chemistry;
- For Senior Life Scientists, an understanding, and preferably some experience, with industry- standard dynamic modeling software such as MATLAB SimBiology or R is ideal;
- Demonstrated ability to address complex drug development problems with an understanding of signaling pathways, homeostasis, physiological mechanisms, and explanatory factors;
- Excellent written and verbal communication skills, and ability to work independently and as part of a collaborative Rosa-client project team.

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