

**Job Title:** Associate Biomedical Modeler

**Department:** Pharmaceutical Sciences

**Job Number:** 32698

**Location:** Memphis, TN

St. Jude Children's Research Hospital is a world-renowned institution that is recognized as one of the best places to work in the nation. As a premier center for research and treatment of childhood catastrophic diseases, we employ a diverse team of scientific and healthcare professionals dedicated to the promise of hope. Children from all 50 states and from around the world have come through the doors of St. Jude for treatment, and thousands more have benefited from our research.

The Associate Biomedical Modeler performs mathematical modeling and statistical analysis for clinical and laboratory research projects. Knowledge of contemporary mathematical methodologies applicable to pharmacokinetic (PK) and pharmacodynamic (PD) modeling (i.e., pharmacometrics) is important. Familiarity with standard PK and PD modeling software and coding languages is essential. This position is responsible for data handling, conducting modeling and application projects, developing software applications as needed, and for providing direction and training to post-doctoral fellows and graduate students on the projects involving mathematical modeling. There is dual reporting relationship to the PK Shared Resource Biomedical Modeler/Pharmacometrician.

**EDUCATION/EXPERIENCE REQUIREMENTS:**

- Master's degree in biomedical science, mathematics, computer science or other related field plus four (4) years' experience in an academic or industrial staff position or substantial participation in mathematical modeling required.
- PhD in biomedical science, mathematics, computer science or a related field preferred. No experience required with a PhD.
- Advanced training in systems modeling and/or data handling and analysis required. Experience with pharmacometric and/or biomedical modeling projects is preferred.

**LICENSURE REQUIREMENTS:** None

**OTHER CREDENTIAL REQUIREMENTS:** None

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