

DEPARTMENT OF ANAESTHESIA



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Senior Staff Scientist

We are seeking a full-time Senior Scientist with a core competence in Quantitative Clinical Pharmacology and Pharmacokinetics and experience in laboratory management. The successful candidate will conduct and supervise assay development and performance, and modeling of the acquired data.

Our overarching goals are for the PK Laboratory Senior Staff Scientist to conduct and supervise assay development and performance, and modeling of the acquired data. Other important goals include enhancement of departmental research that could involve such data, by teaching, collaboration, and development of research projects. Candidates are highly encouraged to explore their own ideas, and present their work at conferences.

Responsibilities and Qualifications:

Laboratory:

- Ensures laboratory certification based on national standards.
- According to established protocols, good laboratory practices (GLPs) and assigned schedules, supervises and performs a variety of routine laboratory analyses and procedures, utilizing standard laboratory equipment including HPLC, LCMS.
- Maintains equipment and organizes the laboratory's supplies; provides personnel training and guidance on experimental design and experimental approaches.
- Integrates systems and processes to ensure adequate operation of the laboratory, and safe, accurate and timely provision of pharmacokinetic and pharmacometric services.
- Establishes budgetary requirements for the provision of pharmacometrics and pharmacokinetics studies, including staffing requirements and technological needs.
- Supervises and bi-annually evaluates support staff in the laboratory.

Research:

- Participates in collaborative research to improve patient care and advance academic productivity.
- Integrates and enhances interactions between the basic sciences, clinical sciences and pharmacy practice in areas of research, education, and service.
- Translates novel technologies into clinical investigation and collaborates with other basic researchers or clinical investigators.
- Communicates teaching and research activities.
- Keeps abreast of the latest developments in the field; and identifies and utilizes emerging research technologies.
- Helps accomplish the long-term research goals of the laboratory, including assisting in the preparation of grant applications.

Pharmacy:

- Provides consultative pharmacokinetic/pharmacodynamics service in conjunction with the Department of Pharmacy at Boston Children's Hospital. This will include patient specific as well as

population-based queries. Additionally, this Senior Scientist will oversee the development and implementation of pharmaceutical analytic services for dosage form development, stability indicating assays and other biopharmaceutic analyses consistent with current USP standards.

Qualification:

- At least 5 years of experience and PharmD or Ph.D. in pharmacology.
- Postdoctoral experience and strong academic credentials in the discipline of pharmacology.
- Experience in analytical techniques using human, animal, and in vitro samples (e.g., HPLC, LC-MS, bioassays).
- Experience in pharmacokinetic modeling.