Yale University Program of Applied Translational Research: Junior Biostatistician

The Program of Applied Translational Research at Yale (patr.yale.edu) is a vibrant environment dedicated to improving the health of patients by discovering and validating novel biomarkers in serum and urine for several human diseases that involve the kidney (acute kidney injury, kidney transplantation, diabetic kidney disease, etc). We have access to large biorepository that has biosamples from multi-center clinical trials. The Program is looking for an experienced biostatistician with a strong interest in academic scholarship and publication as well as tremendous skill in managing, programming and analyzing data from multiple sources. The successful candidate will work with investigators, database administrators, research coordinators and post-graduate fellows to complete various translational and clinical research projects using a variety of statistical techniques. In addition, the successful candidate will get an opportunity to collaborate with other experienced statisticians and supervise junior trainees who are enrolled in Yale University graduate programs.

Principal Responsibilities

- Performs a variety of duties involving the application of statistical skills to the design of research studies. Works as a member of a research team/study team to provide appropriate statistical input in the design, execution and analysis of studies.
- Participates in the development of operations and procedures for the collection, editing, verification and management of statistical data.
- Operates one or more systems of computer hardware and statistical analysis software for the management and analysis of data. Evaluates the statistical methods and procedures used to obtain data to ensure validity, applicability, efficiency, and accuracy.
- Analyzes and interprets statistical data to identify significant differences in relationships among sources of information.
- Processes large amounts of data for statistical modeling and graphic analysis, using computers.
- Investigates, evaluates and prepares reports on applicability, efficiency, and accuracy of statistical methods used in obtaining and evaluation data.
- Participates in the preparation of written and oral presentations that summarize the analysis of data, interprets the finding and provides conclusions and recommendations.
- May perform other duties as assigned.

Required Education and Experience

Master’s degree in Statistics, Biostatistics, Epidemiology or related field or equivalent combination of education and experience.
Required Skill/Ability

- Knowledge of multiple statistical packages (SAS, R, SPSS or STATA)
- Experience with large administrative databases like Medicare (desired, though not required)
- Ability to become well versed with medical terminology (kidney and heart diseases)
- Well-developed analytical, organizational, and oral and written communication skills
- Ability to manage and prioritize multiple projects to ensure on-time delivery as well as meticulous quality

Interested candidates: Please email Joseph.Ficek@Yale.edu