

# Associate Director, Epidemiology and Quantitative Analysis

Johns Hopkins Transplant Research Center  
Associate Director, Epidemiology and Quantitative Analysis

## **General Summary/Purpose:**

The Johns Hopkins University Transplant Research Center (TRC) is seeking an Associate Director of the Epidemiology and Quantitative Analysis Core.

The mission of the TRC is to develop innovative strategies to mitigate the organ shortage and improve outcomes after transplantation while training future leaders in transplantation research. The TRC is currently leading high impact studies leveraging national registry data as well as multicenter clinical trials focused on innovations in transplantation, such as HIV-to-HIV transplantation, hepatitis C transplantation, and novel COVID-19 vaccination strategies for transplant recipients.

The TRC has a robust, well-funded research portfolio and the team includes >30 full time research staff including data analysts, research coordinators, research nurses, and trainees in medicine and surgery. The TRC integrates 4 research cores: Clinical Trials and Studies, Epidemiology and Quantitative Analysis, Ethics and Qualitative Research, and Translational/ Basic Science. Leadership includes 4 overall Directors (Medical, Surgical, Operations, Strategy) and each Research Core has two Associate Directors.

The Associate Director of Epidemiology and Quantitative Analysis will work closely with the TRC Directors and their co-Associate Director who is an MD faculty member in the Division of Infectious Diseases with a PhD in Clinical Investigation. Expected benefits of the position include the opportunity to publish a significant number of high-profile studies each year and to present at national and international meetings in transplantation and infectious diseases.

The Associate Director will provide support and oversight in epidemiologic methods and applied statistical practice to faculty, research staff and students in the TRC. They will contribute to clinical trials, observational studies, statistical analysis plans, and grant applications, in collaboration with TRC faculty and external collaborators. Additional responsibilities include mentoring and teaching data analysts and trainees. Candidates may maintain teaching responsibilities if desired.

This role requires expertise and practical experience in epidemiologic methods and applied statistical analysis as well as leadership and mentorship skills. Specific expertise in transplantation is not required. Funding for this position is expected for a minimum of 3 years.

## **Specific Duties/Responsibilities:**

- Responsible for the scientific development of the Epidemiology and Quantitative Analysis research portfolio.

- Oversees design and implementation of epidemiologic methods for clinical trials and cohort studies including sample selection, statistical power calculations, selection of outcome measures, and analysis methods.
- Contributes to the interpretation of results, drafting study reports, grants, and manuscripts.
- Implementation of novel analytic methods when appropriate.

**Administration:**

- Identifies data management and data analysis personnel needs and works with TRC leadership to recruit, interview and hire these staff.
- Provides input on the feasibility of conducting studies, any conflict with ongoing trials, and logistical and administrative issues.

**Supervision:**

- Hires, supervises and evaluates research data analysts
- Informs content of the education of trainees with interest in analytical methods

**Qualifications:**

- Ph.D. with training and experience with practical experience in the design and conduct of clinical research.
- Two or more years of experience in applied statistical analyses of prospective and retrospective data, including longitudinal, multi-level/hierarchical data, survival analysis, methods for classification and prediction and approaches to missing data. Experience with statistical analysis of clinical trial data is preferred.
- Expertise with standard statistical packages, such as R, Stata and SAS.

**Interested candidates should send a letter of interest and CV to the TRC Epidemiology and Quantitative Analysis Core Lead, Dr. William Werbel at [wwerbel1@jhmi.edu](mailto:wwerbel1@jhmi.edu).**

Status: Full Time

Type: This is a non-tenure track research faculty position though qualified candidates with a strong motivation to join tenure track faculty will be considered in certain circumstances.

Location: SOM Campus – Baltimore, MD

Department: School of Medicine

Personnel area (School): SOM – School of Medicine