COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK

Human Resources
Employment Opportunities

Position Information

Job Title	**Data Analyst - Cardiology**
Location	Columbia University Medical Center - New York - USA
Job Type	Officer Full-Time Regular
Salary Grade	Starting from **$54,100**/year
Duration	At least 1 year (longer commitment preferred)
Advertised Summary Job Description	The Department of Medicine, Division of Cardiology, College of Physicians' & Surgeons is recruiting a Data Analyst to contribute to several on-going research studies exploring risk factors with emphasis on the human microbiome and vascular function in heart failure, LVAD and heart transplant. The general aim of these studies are as follows: i) to study the gut microbiome among other novel risk factors to identify risk factors for adverse outcomes among chronic heart failure, left ventricular assist device (LVAD) and heart transplant patients; ii) to broadly characterize and understand cardiovascular and other risk factors for adverse outcomes among heart failure, LVAD and heart transplant patients. Responsibilities will include, ad hoc epidemiologic design consult; management of multiple databases related to ongoing and previous data collection; integration of clinical and research data bases; coordinating data backup and transfers between research studies; oversee data quality assurance and control; data analysis; manuscript development; assisting in the development and implementation of research proposals and data collection protocols (particularly collection of gut and oral biological samples), preparation and presentation of findings at conferences and meetings. Other duties as assigned.
Minimum Qualifications for Grade Applicant **MUST** meet these minimum qualifications to be considered an applicant	Requires a bachelor's degree or equivalent in education and experience, plus two years of related experience.
Additional Position-Specific Minimum Qualifications Applicant **MUST** meet these minimum qualifications to be considered an applicant	The successful candidate must possess computer proficiency with excellent data management and data analysis skills, including extensive knowledge of SAS and Excel, and a working knowledge of R statistical software packages. Familiarity with epidemiological design and statistical analysis is essential. Excellent written and verbal communications skills are essential.
Preferred Qualifications	Master's in epidemiology and a minimum of two years of research experience. Some experience working with high performance computing clusters is preferable. A basic knowledge of research concepts relevant to human microbiome studies is preferable.
Essential Functions	Write programs and develop algorithms for analyzing clinical data: 25% Interpret analytical output and provide appropriate summaries of the results for investigator review: 25% Create presentations of results and supporting material for scholarly papers and proposals: 25% Contribute to the identification and development of new methods for analyzing and summarizing data: 20% Perform other related duties as assigned: 5%

For further information and application, please contact Francesco Castagna at
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