Class Code:.....0856E
Pos #:(PSA).....106889
Developed by:.....DS
Reviewed by:.....SG
Approved by:.....LK
Date:.1/3/12; 9/13; 12/13

UNIVERSITY OF RHODE ISLAND

Position Description

TITLE: Research Associate/Data Analyst II

DIVISION: Academic Affairs (CELS/CMB–Institute for Immunology and Informatics, Providence)

REPORTS TO: Principal Investigators and/or Research Staff

GRADE: 11

SUPERVISES: Assist in supervision of others assigned to the project

BASIC FUNCTION:

Work with the Institute for Immunology and Informatics (iCubed) researchers to develop new immunoinformatics tools, and to apply and extend the EpiMatrix suite of vaccine design tools currently in use at iCubed.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Lead immunoinformatics projects related to ongoing and new research.

Interface and participate in project planning with the Institute’s principal investigators.

Develop software (potentially using GPU computing) and build databases.

Develop ways to analyze large biological datasets.

Assist with software training and in making presentations to internal staff and external researchers.

OTHER DUTIES AND RESPONSIBILITIES:

Perform other duties as assigned.

LICENSES, TOOLS AND EQUIPMENT:

Personal computers software, including, but not limited to, relational databases, spreadsheets, workflow, and project management.

ENVIRONMENTAL CONDITIONS:

This position is not substantially exposed to adverse environmental conditions.

QUALIFICATIONS:

Required: Bachelor's degree; minimum of two years of experience in computer programming or computational biology or immunoinformatics; demonstrated experience in computational immunology; demonstrated ability to in a fast-paced environment; demonstrated organizational, interpersonal, verbal and writing skills; demonstrated ability to collaborate in a team setting; demonstrated ability to work with diverse groups of people.

Preferred: Demonstrated knowledge of basic statistics or statistical packages such as SAS or SPSS; demonstrated experience with project management; demonstrated familiarity with immunological laboratory-based experiments, i.e., ELISA, ELISpot, Flow Cytometry.

ALL REQUIREMENTS ARE SUBJECT TO POSSIBLE MODIFICATION TO REASONABLY ACCOMMODATE INDIVIDUALS WITH DISABILITIES.