
Job Title	Postdoctoral Research Fellow
PVN ID	CC-2203-004632
Category	Research
Location	The CITY COLLEGE of NEW YORK
Department	MCBS
Status	Full Time
Annual Salary	\$50,600.00 - \$50,600.00
Hour(s) a Week	35
Closing Date	May 11, 2022 (Or Until Filled)

General Description

Seeking a highly motivated postdoctoral fellow with experience in molecular and cellular immunology to join the laboratory of Dr. Linda Spatz at the CUNY School of Medicine at The City College of New York. Salary is guaranteed for one year with the opportunity of applying for funding for an additional one or two years. The laboratory is interested in the role of the Epstein Barr virus (EBV) in the autoimmune disease, Systemic lupus erythematosus (SLE). In particular, we are focused on understanding how an EBV viral protein (EBNA-1) can use molecular mimicry to elicit the production of antibodies to double stranded DNA (dsDNA) which are the hallmark of SLE. We will be using X-ray crystallography to determine how EBNA-1 can structurally mimic dsDNA and bind to anti-dsDNA antibodies. The candidate must be experienced in molecular biology techniques, protein expression and purification, site directed mutagenesis, ELISAs, flow cytometry, sterile tissue culture with mammalian cells, immunohistochemistry and immunofluorescent microscopy. The candidate must also be comfortable working with mice and must be willing to learn how to perform X-ray chromatography.

Other Duties

Job duties include planning, directing and conducting experiments, evaluating and analyzing data, presenting research findings at scientific meetings, and writing manuscripts. In addition, the candidate will be involved in training undergraduate students.

Qualifications

- PhD in immunology, molecular biology, biochemistry, cell biology, pathology, or a related field pertinent to the research area, as evidenced in areas of study
- Teaching, publication and/or research background; knowledge of cutting-edge research in the field

- Ability to comprehend and act on assignments of varying complexity
- Ability to handle multiple assignments
- Ability to work on a team as well as independently
- Ability to use effectively all research equipment and devices standard to the field; ability to use and manage web-based technology, as needed.
- Ability to operate in the computer/statistical environment of the research project