
Job Title	Postdoctoral Fellow (2 positions)
PVN ID	CC-2206-004863
Category	Research
Location	The CITY COLLEGE of NEW YORK
Department	Biomedical Engineering
Status	Full Time
Salary	Depends on qualifications
Hour(s) a Week	35
Closing Date	Oct 12, 2022 (Or Until Filled)

General Description

The Williams Immune Nanomedicine Lab of The City College of New York Department of Biomedical Engineering is hiring! (<https://williamslab.ccny.cuny.edu/>) We are looking for up to 2 highly motivated and independent postdoctoral research fellows to study the role of pro-inflammatory cytokines in chronic disease models using fluorescent nanosensors coupled with traditional molecular biology techniques. We are seeking candidates for two positions: 1) Experience with single-walled carbon nanotube (SWCNT)-based optical sensor development; and 2) Experience with in vivo models of chronic inflammatory disease biology. Postdocs are expected to be experts in their field and will collaborate with researchers across basic and clinical science disciplines. If you have specific experience in either position and strive to use nanotechnology to understand inflammation in chronic disease biology, please apply!

In addition to the General Duties, responsibilities include but are not limited to:

- Conducts experimental research in nanosensor design/testing, hydrogel material development, and/or in vivo chronic disease models.
- Prepares papers for publication in peer-reviewed journals, patents, and presentation at conferences;
- Applies for or assists in applying for external research funding related to the research;
- Collaborates with internal and external academic colleagues, and participates in knowledge exchange activities to establish research links with industry;
- Assists in laboratory management, experimental guidance, and mentorship of undergraduate and graduate students as well as technicians;
- Conducts individual and/or collaborative research, and contributes to the development of new research methods and ideas, giving direction to the project;
- Assists in the development and planning of research objectives for specific projects, and contributes to the development of research objectives as part of the wider research program within the group, with guidance from

the academic supervisor, as appropriate;

- Performs other related duties as assigned.

The applicant should have:

- A PhD in experimental biomedical engineering, chemical engineering, chemistry, or bionanotechnology for position (1), and in immunology, pharmacology, molecular or cellular biology for position (2), or related fields.
- Strong hands-on experience with in vivo models of disease, carbon nanotube sensor design/imaging, hydrogel-based biomaterials, molecular biology, immunology, or multiple of these competencies.
- Can demonstrate prior excellence in scientific communication through conference presentations and publication in quality peer-reviewed journals.

Other Duties

Qualifications
