

June 11, 2020

The Foundations of Health Research Center (FHRC) is within Northwestern University's Institute for Policy Research. Through a people-centered lens, we use research to examine the health effects of inequality and identify ways to disrupt health disparities. Our researchers are frequently published in journals like the Proceedings of the National Academy of Sciences, Psychosomatic Medicine, and more. Learn more about our work at www.foundationsofhealth.org.

FHRC is currently accepting applications for a **Research Technologist 3** position for NIH-funded studies that attempt to identify the immune system's role in socioeconomic disparities in health. The technologist will design, conduct, and oversee assessments of immune function in these studies.

This is a **one-year term position**, with the opportunity for renewal. The renewal opportunity will be based on performance and available funding. The start date is immediate though can be adjusted, if needed.

To apply, submit resume and cover letter (optional, though preferred) via Northwestern My HR system at <https://www.northwestern.edu/hr/careers/index.html>. Once you create a profile, search for the Research Technologist 3 position with job ID number 38818. You will be allowed to submit materials here.

The full job description can be found below.

Research Technologist 3

Job ID 38818

Department: IPR - Inst for Policy Res

Salary/Grade: NEX/13

Job Summary:

This position is for a research technologist, who will be involved in NIH-funded studies that attempt to identify the immune system's role in socioeconomic disparities in health. The technologist will design, conduct, and oversee assessments of immune function in these studies. Specific responsibilities include: Participates in design and execution of research lab projects. Conducts experimental tests, procedures, and processes and analyzes data. Reviews and revises existing research methodologies and may develop new methodologies, mathematical and/or computer models for predicting data. May ensure overall lab compliance with all associated rules and regulations.

Specific Responsibilities:

- Following overall research objectives, independently designs, plans, conducts and troubleshoots experiments.
- Evaluates protocols and data obtained from groups of experiments and recommends changes to processes, procedures and techniques to improve quality and validity of results based upon overall project objectives.
- Administration:
 - Observes experiments, collects, records, summarizes, analyzes and interprets research data
 - Collates relevant mathematical results
 - Prepares complex tables reflecting relationships of multiple tests.
 - Draws scientific conclusions.
 - Writes portions of grant applications.
 - Co-authors scientific papers. - Finance:
 - Negotiates purchases with vendors.
 - Maintains and updates portions of grant budgets.
 - Tracks and summarizes lab supply expenses.
 - Verifies accuracy of invoices.
 - Orders and/or maintains inventory of reagent, mice and/or lab supplies. -
- Supervision:
 - Trains and directs other lab EEs and/or students in techniques and procedures.
- Miscellaneous:
 - Performs other duties as assigned.

Minimum Qualifications:

- Successful completion of a full 4-year course of study in an accredited college or university leading to a bachelor's or higher degree in a scientific major or related;

- OR appropriate combination of education and experience and 3 years' lab/bench or other relevant experience required;
- OR successful completion of a full course of study in an accredited college or university leading to a master's or higher degree in a scientific major or related;
- OR appropriate combination of education and experience and 1 year lab/bench or other relevant experience.

Minimum Competencies: (Skills, knowledge, and abilities)

- Demonstrated laboratory experience with ELISA, flow cytometry, molecular biology techniques
- Demonstrated ability to follow detailed instructions as required by research protocols;
- Demonstrated computer skills, including spreadsheets and basic computations;
- Attention to detail and accurate record keeping; - Ability to work independently and in a team environment; - Manual dexterity.

Preferred Qualifications:

- Bachelor's degree,
- 3 years' experience in immunology lab,
- Record of designing/implementing own experiments and training students in laboratory techniques.

Preferred Competencies: (Skills, knowledge, and abilities)

- ELISA,
- Flow cytometry,
- Cell culture,
- qPCR