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PI, Foy Lab: www.foylab.xyz/

UW Medicine
LABORATORY MEDICINE & PATHOLOGY

The Foy Lab (www.foylab.xyz/) at the University of Washington has an outstanding opportunity for a 1.0 FTE Postdoctoral Scholar. This position will focus on development of computational methods for enhancing and personalizing interpretation of routine blood tests, to enable earlier and more accurate disease detection in outpatient settings. This full-time, 12-month position has immediate availability for an initial one-year appointment. The position will be renewable annually contingent on performance and available funding. The base salary range for this position will be $5,705-$7083 per month ($68,460-$85,000 annually), commensurate with qualifications and experience.

The University of Washington, Department of Laboratory Medicine and Pathology is a broad and dynamic department that strives for a consistent level of high achievement in all of its activities. The Department offers full diagnostic services in all areas of Laboratory Medicine and Pathology, is a top ranked research organization as measured by research awards from the National Institutes of Health and offers an array of specialized educational training programs. Postdoctoral scholars are represented by UAW 4121 and are subject to the collective bargaining agreement, unless agreed exclusion criteria apply. For more information, please visit the University of Washington Labor Relations website.

General Duties:

The postdoctoral scholar will contribute to an exciting research program within the Foy Lab (https://foylab.xyz/), focused on developing computational methods to enhance how we collect, analyze and use clinical blood samples to advance patient care. This role will involve developing computational models (statistical, machine learning, etc.), and using them to perform high throughput analysis of clinical data. The chosen candidate will collaborate with clinicians to drive impact from these models, and use them to benefit patient care through active deployment into the clinic.

General duties:

- Develop multi-modal statistical and machine learning methods for analysis of health record data for patient diagnosis and outcome prediction.
- Perform large-scale querying and analysis of clinical health record databases.
- Engage with clinical collaborators, patient advocates, and other stakeholders, to place the analysis in patient-centered contexts.
- Contribute to lab culture, and to dissemination of academic findings.

Requirements:

Education requirement, minimum: PhD in Computer Science, Biomedical Engineering or equivalent.

The ideal candidate will additionally have experience in:

- Building and validating computational models (statistical, epidemiologic, machine learning, etc.).
- Working with large, multi-modal datasets.
- Performing complex statistical analyses.

While not essential, preference will be given to candidates with experience in clinical health record analysis, time series analysis, and applications in hematology or laboratory medicine.

Interested candidates should email Dr Brody Foy (brodyfoy@uw.edu), with a brief overview of their skillsets and interests, a copy of their CV, and copies of 1-2 of their most significant publications.