

## PRC Pre-Doctoral Fellowship

### Position Summary:

Pharmaceutical Research Computing (PRC) is a dynamic research group that provides responsive analytic and data management expertise to support health services research across the UMB campus and beyond. PRC is looking to employ a pre-doctoral fellow from 6/1/2020<sup>1</sup> through the completion of his/her final dissertation defense with an assurance of 20 hours/week. The work schedule is flexible, with an ideal commitment of 5 hours/day and 4 days/week.

### Essential Functions:

The PRC Pre-Doctoral Fellow will assist with the following:

- 1) Coordination of research projects by way of task and variable lists
- 2) Data collection, data cleaning & quality assurance
- 3) Programming needs through the use of SAS or R
- 4) Maintenance of database documentation/Administrative support
- 5) Research project protocols/DUAs/IRBs
- 6) Other duties as assigned

### Knowledge, Skills, Abilities:

The PRC pre-doctoral fellow will demonstrate the following job-specific abilities and a working knowledge of the following software applications:

Knowledge, skills, and abilities	Description
Job-specific abilities	<ol style="list-style-type: none"><li>1. Strong organizational and analytical skills</li><li>2. Critical thinking: ability to identify a problem, create inferences on why the problem exists and how it can be solved, collect data/literature to support the proposed solution, organize and sort data/ideas, identify ways to improve upon the proposed solution</li></ol>
Software applications	<ol style="list-style-type: none"><li>1. SAS and/or R</li><li>2. Microsoft Suite: Word, Excel, Outlook, Publisher, Powerpoint, and/or Power BI</li></ol>

### Additional Opportunities:

- Career Opportunities- work day-to-day in a team-based environment which includes expert programmers, a research pharmacist, statisticians, a geospatial analyst and database engineers
- Opportunity to co-author publications stemming from PRC projects
- PRC sponsored-24 months of access<sup>2</sup> to one of the PHSR Community Database datasets (Chronic Conditions Warehouse, IQVIA Health Plan Claims data, Medicare Current Beneficiary Survey) for the purpose of his/her dissertation
- PRC sponsored- 12 months of 100GB PRC server space available following fellowship
- PRC sponsored- 250GB PRC server space available during fellowship dates

1. PRC may accommodate a start date later in the 2020 year if the candidate's program warrants

2. Access is to raw data files only; the fellow is responsible for completion of any additional data analysis

### Application & Employment Timeline:

- Application Open: 2/10/2020
- Application Deadline: 3/20/2020
- Announcement of Award: 4/10/2020
- Employment Start Date<sup>1</sup>: 6/1/2020

### Potential Competency Exposure:

<b>Overarching</b> <ul style="list-style-type: none"><li>• Business &amp; Management</li><li>• Communication &amp; Influence</li><li>• Career Development</li><li>• Observational Methods</li><li>• Statistics and Modeling Methods</li></ul>	<b>Health Economics<sup>3</sup></b> <ul style="list-style-type: none"><li>• Health Economics and Outcomes Research Methods</li><li>• Health System &amp; Payer Expertise</li><li>• Economic Methods</li></ul>
<b>Pharmacoepidemiology<sup>4</sup></b> <ul style="list-style-type: none"><li>• Post Marketing Surveillance</li><li>• Exposure Data</li><li>• Epidemiologic Methods</li><li>• Clinical Pharmacology</li></ul>	<b>Policy</b> <ul style="list-style-type: none"><li>• Policy Relevant Units of Analysis and Measures</li><li>• Policy Database Resources</li><li>• Health Disparities</li><li>• Evaluation Tools/Methods</li></ul>

### Additional Information

- All doctoral students enrolled full-time at a UMB School are welcome to apply. The School of Pharmacy PHSR Department doctoral trainees are strongly encouraged to apply.
- Trainees already committed under a current GRA position should obtain written approval from their current faculty GRA supervisor prior to applying for this opportunity.
- The PRC pre-doctoral fellow is committing to employment for the full fellowship term and may not apply for external funding to replace or otherwise overlap with the 20-hour commitment during the PRC fellowship term. PRC commits to funding the pre-doctoral fellow for the full fellowship term. The PRC pre-doctoral fellow has all the full rights accorded to full-time doctoral students employed at UMB and in accordance with the policies of the UMB Graduate School.
- The PRC pre-doctoral fellow will be mentored by his/her academic/dissertation advisor on record during the term of the PRC assistantship. PRC does not commit to providing academic mentoring that would replace the mentoring provided by the student's academic/dissertation adviser on record. The PRC pre-doctoral fellow will work with his/her academic/dissertation adviser on record in order to ensure that he/she is making reasonable progress on his/her dissertation.
- The PRC pre-doctoral fellowship will cover stipend and fringe benefits as per current University guidelines.

3. ISPOR: HEOR Competencies Framework: <https://www.ispor.org/strategic-initiatives/more/heor-competencies-framework>

4. Pharmacoepidemiology: defining the field and its core content: pharmacoepidemiology and drug safety 2012; 21: 677–689, Published online 10 April 2012 in Wiley Online Library (wileyonlinelibrary.com) DOI: 10.1002/pds.3198