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 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:

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<tr>
<th>Knowledge, skills, and abilities</th>
<th>Description</th>
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| Job-specific abilities           | 1. Strong organizational and analytical skills  
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 |
| Software applications            | 1. SAS and/or R  
2. Microsoft Suite: Word, Excel, Outlook, Publisher, Powerpoint, and/or Power BI |

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 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\(^1\): 6/1/2020

Potential Competency Exposure:

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<tr>
<th>Overarching</th>
<th>Health Economics(^3)</th>
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<tr>
<td>Business &amp; Management</td>
<td>Health Economics and Outcomes</td>
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<td>Communication &amp; Influence</td>
<td>Research Methods</td>
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<td>Career Development</td>
<td>Health System &amp; Payer Expertise</td>
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<td>Observational Methods</td>
<td>Economic Methods</td>
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<td>Statistics and Modeling Methods</td>
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<th>Pharmacoepidemiology(^4)</th>
<th>Policy</th>
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<tr>
<td>Post Marketing Surveillance</td>
<td>Policy Relevant Units of Analysis and Measures</td>
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<tr>
<td>Exposure Data</td>
<td>Policy Database Resources</td>
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<tr>
<td>Epidemiologic Methods</td>
<td>Health Disparities</td>
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<td>Clinical Pharmacology</td>
<td>Evaluation Tools/Methods</td>
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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](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