Position Title: Postdoctoral Research Associate
Department: Chemistry
Reports To: Dr. Eric Mintz

The following statements are intended to describe the general nature and level of work to be performed and are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of personnel so classified. All duties listed are essential functions for the position. It is understood that other related duties may be assigned.

General Function (Description):
Overview: Seeking a Postdoctoral Research Associate who will focus on preparing and characterizing polyurethane (PU) foams from biomass derived materials focusing on non-isocyanate PU foams and/or 100% bio-based composites. We are looking for applicants with a demonstrated research background in organic/polymer chemistry synthesis and characterization. Experience in instrumental characterization in several of the instruments identified in the previous paragraph is desired. The Research Associate will also work with a team involving specialists in materials synthesis, processing, characterization, and data science.

Examples of Duties and Responsibilities:
• Work with a diverse team of scientists seeking to advance scientific understanding of advanced structural property relationships of sustainable polymers and materials.
• Carry out synthesis, characterization, and processing of functional polymers and polymer composites.
• Participate in project planning and execution and write progress reports and manuscripts.
• Present research results at meetings/conferences and publish scientific results in peer-reviewed journals in a timely manner.
• Work closely with faculty, graduate and undergraduate students on the execution of projects.

Knowledge, Skills and Abilities:
This position requires knowledge of the general area of Organic Polymer or Materials Science via a background in doctoral level research in the Chemical, Physical, or Materials Sciences. Prior experience of working within a university community is highly desired. Candidates must be computer literate and familiar with laboratory safety and hygiene is necessary. Successful use of advanced scientific instruments (e.g., DSC, TGA, FT-IR, NMR, etc.) is required.

Minimum Hiring Standards:

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<tr>
<th>Education</th>
<th>Earned doctorate in Chemical, Physical, or Materials Sciences</th>
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<tr>
<td>Years of Experience</td>
<td>Two years of research experience, which can include doctoral dissertation research</td>
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<tr>
<td>Years of Management/Supervisor Experience</td>
<td>Not required.</td>
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