Description:

A Post-Doctoral Research Associate is sought to formulate and study novel protective coatings for metal substrates. Experience with epoxy resins, surface modification, waterborne coating technology and the analysis and characterization of polymeric materials in general and coatings in particular are desired qualifications. While the initial duration of this position is anticipated to be one year and is contingent upon funding, the success of the work and/or other efforts to obtain support more generally may enable this time to be extended. Anticipated hiring range is $35,000 - $45,000.

Duties:

The principal role of the Post-Doctoral Research Associate will be to ensure the progress of the aforementioned work with guidance from the Director as well as the sponsoring entity. A critical feature of the role of the position will also be to a) communicate findings in the form of reports and presentations and b) perform major research functions related to the smooth progression of the work.

Requirements:

- An earned PhD in Polymer Science, Polymer Engineering, Materials Science, Engineering, Chemistry, Chemical Engineering, or a related field by the time of the appointment, anticipated for Jan. 2015.
- Knowledge of the principles and techniques of the subject discipline
- Knowledge of modern research methods, data collection and analyses
- Knowledge of the formulation, processing and analysis of epoxy resins
- The ability to work effectively with diverse individuals and groups
- Knowledge of the application and analysis of polymeric coatings
- Ability to work effectively and independently in a lab setting
- Strong technical report writing and communication skills
- Understanding of and commitment to lab safety
- A relevant publication record
- Experience working with industry or on industrially sponsored projects
- Ability to effectively communicate, both verbally and in writing
- Skill in analyzing and evaluating data
- Ability to work under pressure and adhere to strict deadlines

Contact:

Please apply at: [https://jobs.uml.edu/applicants/jsp/shared/frameset/Frame.jsp?time=1418652570703](https://jobs.uml.edu/applicants/jsp/shared/frameset/Frame.jsp?time=1418652570703)

You will need to supply a cover letter with curriculum vitae, names and contact information of three references, a list of publications, and sample of scholarly work/publication.