

10-12-09 JOB OPENING

**POLYMER PHYSICIST
ExxonMobil
Annandale, NJ**

Description:

ExxonMobil's Corporate Research Laboratory is a facility of over 200 scientists and engineers involved in fundamental and process-oriented research in diverse scientific disciplines related to ExxonMobil's Upstream, Downstream, Chemicals, and Corporate sectors. The Lab features excellent support and analytical facilities, an international staff, and is strongly integrated with the external scientific community. Its location, in pastoral western New Jersey, provides excellent public schools and convenient access to New York City and Philadelphia. ExxonMobil offers an excellent working environment and a competitive compensation and benefits package. ExxonMobil is an Equal Opportunity Employer.

Duties:

- Conduct original research in experimental polymer physics and material science, using advanced structural probes, e.g. x-ray, light, neutron scattering, microscopy, spectroscopy, fractionation), rheological and/or mechanical property instruments, e.g. stress and strain rheometer, extensional rheometer, tensile testing.
- Combine experiments with molecular theory and modeling from the molecular to macroscopic scales to "write-the-rules" of polymer, polymer blend, and polymer composite performance.
- Ability to understand and predict the effects of processing on polymer structure and morphology developments with respect to performance of polymer products, blends and composites, from knowledge of their backbone structure, phase blending, self-assembled meso-structure, and solid state morphology.

Requirements:

- A Ph.D. in Polymer Engineering, Materials or Polymer Science, or Chemical Engineering.
- Demonstrated expertise in the study of polymeric systems by rheology, scattering, or other techniques.
- Demonstrated contribution to research in a results-oriented team environment.
- A strong track record of external publications and presentations and desire to publish and participate in external technical meetings.
- Strong communication, organizational, and interpersonal skills.

Contact:

Please submit your resume with cover letter to www.exxonmobil.com/ex or contact:

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