5-1-15 JOB OPENING

RESEARCH ENGINEER, ADVANCED MATERIALS
BASF
Wyandotte, Michigan

Description:
This position is a research scientist within the Global Advanced Materials and Systems research group specializing in High Temperature Polymerization (HTP). Responsibilities include the development of new technology and products for adhesive applications.

Duties:

- Conceptualize, plan and execute polymer synthesis approaches within multi-disciplinary and international teams to develop new products and technology to meet business needs in the area of adhesives.
- Combine synthesis skills with physical-chemical knowledge to develop technology platforms and new products based on structure property relationships.
- Lead HTP technology projects and equipment development projects through the Phase Gate process to explore next technology level.
- Develop and execute project plans to achieve technical goals.
- Propose new project concepts and directions that build the innovation pipeline that are impactful for BASF.
- Establish and maintain a safe and healthy work environment through implementation of company and site safety policies/procedures.
- Interface with other research and development units from different BASF divisions globally in order to broaden the utilization of HTP in BASF.
- Maintain a professional presence in BASF's Polymer community through active publications, presentations and fostering University relationships.
- Present and document research results.
- Maintain detailed laboratory notebook and data base in accordance with scientific and intellectual property principles.
- Observe and evaluate scientific trends and utilize results in research work through literature, seminars, conferences, academia and industry.
- Manage a laboratory team.
- Administrative responsibility for developing performance objectives, performance reviews and career development for 1-2 technicians.
- Responsible to direct activities of assigned technician(s) toward achieving projects.

Requirements:

- PhD in chemical engineering, polymer chemistry, physical chemistry, or material science required.
- Broad expertise and interest in the field of synthetic polymer work and material science.
- Knowledge in the field of polymer chemistry.
- Creative, curious with a high degree of motivation and personal responsibility.
- Excellent communication and interpersonal skills.
- Enjoy working on an interdisciplinary and international team.
- Preferred: Strong background in physical chemistry including kinetics and modeling of chemical processes and reactions.

Contact:

Please apply online at:

https://basf.jobs/north-america-rd/job/Wyandotte-Research-Engineer%2C-Advanced-Materials%2C-Wyandotte-MI-48192/55492501/?feedId=111101