

Position: Research Engineer
Division: OC
MRF Reference No.: FY15041/OC

Main Duties and Responsibilities:

- Conduct experiments to develop methodologies for particle conjugation
- Synthesis engineered particles for specific functions
- Optimize operating conditions to assemble particles
- Perform characterization for organic compounds and synthetic polymers
- Perform literature searches on new synthetic methodologies and polymer engineering

Minimum Requirements:

- Bachelor/Master in Chemistry (Organic and / or Physical Organic Chemistry)
- Organic synthesis, emulsion polymerization, Janus particles formation, particle mechanics and characterization
- Good communication, writing and time management skills
- Safe laboratory practices
- 3 years of working experience in wet chemical research laboratory
- Knowledge of characterization techniques such as SEM, TEM, NMR