

Laboratory Consultant Opportunity Kansas City, Kansas

Description of Responsibilities:

- Operate a microencapsulation process with wide range of materials for specific control release properties. Studies include:
 1. Identification of processing conditions, materials, and particle sizes
 2. Characterization of flow performance (dissolved and melted)
 3. Nozzle design (e.g. tubing diameter, annular spacing, orifice size, etc.) based on observed flow characteristics
 4. Characterization of the effect of process variables (e.g. flow rates, temperature, nozzle orientation, acoustic frequency, acoustic power, etc.) on the microcapsule size and uniformity and the intended control release properties
 5. Characterization of microparticles and microcapsules including size, size distribution, and morphology
- Identify and make process improvements
- Familiarity with complex coacervation a plus

Qualifications:

- Minimum of 5 years work experience in particle fabrication with preference given to those with experience in any of the following industries
 - Animal health
 - Pharmaceuticals
- BS in engineering or related discipline (or appropriate experience)
- Demonstrated skills in process design
- Experience with scale-up and related industrial processing
- Self starter and comfortable with ambiguity

Company Profile:

Orbis Biosciences (<http://www.orbisbio.com/>) offers the ability to control the size, shell thickness, porosity, and uniformity of nearly any material with a level of scalability previously unrealized. From drug formulations to agricultural compounds to novel food processing techniques, Orbis Biosciences provides solutions for controlled release. Headquartered in Kansas City, Orbis Biosciences licenses technology to clients and develops proprietary products for commercialization.

Contact:

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Closing date for applications is September 28, 2009.