

## **Job Posting: Research Scientist, Microencapsulation and Controlled Release**

Do you possess a strong drive and passion for advancing sustainable and innovative products through cutting-edge microencapsulation and controlled release technologies? Aries Science & Technology, LLC seeks a skilled and motivated Research Scientist to join our team. As a company dedicated to pioneering biobased products and aiding our clients in achieving their sustainability objectives, we strive to create a better and more environmentally conscious future.

**Position:** Research Scientist, Microencapsulation and Controlled Release

**Location:** Columbus, Ohio, USA

### **Responsibilities:**

- Design and conduct experiments to develop novel microencapsulation techniques for various active substances, such as pharmaceuticals, nutraceuticals, biologics, and functional materials.
- Explore and optimize controlled release mechanisms to achieve targeted and sustained release profiles for specific applications.
- Utilize state-of-the-art characterization techniques, including spectroscopy, microscopy, and particle analysis, to analyze and evaluate microcapsule formulations.
- Collaborate closely with cross-functional teams, including formulation scientists and pharmacologists, to integrate microencapsulation technologies into product development projects.
- Stay up-to-date with the latest advancements in microencapsulation and controlled release research, identifying opportunities for innovation and potential research collaborations.
- Analyze, interpret, and present research data clearly and concisely through technical reports, scientific publications, and internal presentations.
- Maintain a safe and organized laboratory environment, adhering to all safety protocols and industry regulations.
- Mentor and guide junior researchers, fostering a collaborative and learning-oriented research environment.

### **Requirements:**

- Ph.D. in Chemistry, Materials Science, Chemical Engineering, or a related field, with a strong background in microencapsulation and controlled release technologies.
- Proven experience in designing and conducting microencapsulation and controlled release experiments.
- Expertise in various microencapsulation techniques, such as spray drying, coacervation, and in-situ polymerization.
- Solid understanding of controlled release mechanisms, kinetics, and the relationship between microcapsule properties and release behavior.
- Proficiency in using analytical instruments and software for microcapsule characterization and data analysis.

- Strong track record of scientific publications and contributions to the field of microencapsulation and controlled release.
- Excellent written and verbal communication skills to effectively communicate research findings and collaborate with team members.
- Ability to work independently and collaboratively within a fast-paced, multidisciplinary research environment.

**Preferred Qualifications:**

- Experience in industrial or academic research related to microencapsulation and controlled release applications.
- Familiarity with regulatory requirements and quality standards
- Knowledge of formulation development and active substance delivery principles.

Join our team of dedicated researchers and contribute to cutting-edge solutions through microencapsulation and controlled release technologies! We offer a competitive salary, a comprehensive benefits package, and an intellectually stimulating work environment that encourages professional growth and innovation.

To apply, please submit your resume to [career@ariesst.com](mailto:career@ariesst.com). We are excited to receive your application and explore the potential of having you at Aries.

ABOUT US

WHO WE ARE

Aries Science & Technology is committed to delivering personalized encapsulation solutions to clients in specialized manufacturing industries. We understand complex industrial issues require customized approaches, so we work closely with each team to meet their unique needs.

HOW WE HELP

We listen carefully and assess challenges from a holistic perspective, creating tailor-made solutions that go beyond surface-level problems.

EXPERIENCE THE DIFFERENCE

With more than two decades of experience in providing innovative solutions to intermediaries in specialized manufacturing industries, we offer unparalleled, eco-friendly, and cost-effective solutions.

<https://ariesst.com/career>