



**RESEARCH ASSOCIATE II,  
FERMENTATION SCIENCES**  
Columbia, Maryland

**Department:** Fermentation Sciences  
**Reports To:** Fermentation Lab Supervisor  
**FLSA Status:** Exempt

**Company:**

Martek Biosciences Corporation (NASDAQ: MATK), a local biotech company, is a leader in the innovation and development of DHA omega-3 products that promote health and wellness through every stage of life. The company's flagship products are life'sDHA™, a sustainable and vegetarian source of the omega-3 fatty acid DHA (docosahexaenoic acid) for use in foods, beverages, infant formula, and supplements; and life'sARA™, an omega-6 fatty acid produced from fungus. ARA (arachidonic acid) is the primary omega-6 fatty acid in the brain and is important for proper infant brain development and physical growth.

**Job Summary:**

The successful candidate will work hands-on as part of a team conducting fermentation process development and continuous improvement activities in the Columbia Fermentation Pilot Lab. Specific focus will be on developing and implementing innovative fermentation process improvements. Secondary focus on providing technical support to improve overall fermentation development, including aseptic design and operation, personnel training and process controls and automation.

**Essential Duties and Responsibilities:**

1. Use scientific methods in experimental designs.
2. Apply technical concepts and experience to complete assigned projects.
3. Conduct laboratory and pilot-scale experiments to evaluate and develop new fermentation technologies.
4. Work with Fermentation lab supervisor, and other associates to ensure execution of experiments in a timely manner.
5. Batching, sterilizing and maintaining the Pilot Lab fermentors.
6. Monitoring fermentor experiments while they are ongoing.
7. Performing a variety of analytical techniques.
8. Collecting data and preparing reports on experimental results.
9. Identify issues and relationships with data when applicable.
10. Apply technical concepts and experience to specific assignments.
11. Use appropriate tools and skill to complete assigned tasks.
12. Support technology transfer.
13. Organize and deliver technical information to internal customers.

**Supervisory Responsibilities:**

None

**Qualifications:**

1. Bachelor's degree in a relevant discipline required with 3-8 years experience or Master's degree with 0-2 years relevant experience

2. Ability to work independently or within a team environment
3. Good working knowledge and understanding of aseptic design is required
4. Excellent oral and written communication skills
5. Must be able to effectively demonstrate interpersonal skills while interacting with all levels of staff
6. Proficiency in Microsoft office (word, excel, power point, access, project, and visio) required
7. Familiar with DCS systems (Delta V, iFIX, etc.) preferred
8. Familiar with BSL-1 and BSL-2 procedures.
9. Good understanding of GMP (good manufacturing practices) required.

**Physical Demands:**

N (N/A) A (1 - 25%) B (26 - 50%) C (51 - 75%) D (76 - 100%)

Sitting	A %	Standing	B %
Walking	A %	Driving	A %
Bending/Stooping	A %	Climbing	N/A %
Reach above shoulder	A %	Kneeling	A %
Pushing/Pulling	A %	Crawling/Crouching	A %
Lifting	<u>75 lbs</u>		

**Computer work**

N/A Minimal  Moderate Significant

**Temperature extremes**

N/A Minimal Moderate  Significant

**Noise**

N/A Minimal  Moderate Significant

**Travel:**

Domestic 5 % International 0 %

**Other exposures/demands:**

Exposure to laboratory chemicals and solvents  
 Handling of microorganisms

Please submit your resume and/or application ([www.martek.com](http://www.martek.com)) to Human Resources at [jobs@martek.com](mailto:jobs@martek.com) or fax to 410-772-5811. **No Recruiters Please.**

Martek Biosciences Corporation is an Equal Opportunity Employer.  
 M/F/V/D