



**RESEARCH ASSOCIATE II – FERMENTATION  
SCIENCES/PHYSIOLOGY**  
Columbia, Maryland

**Department:** Fermentation Sciences/Physiology  
**Reports To:** Director  
**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 Physiology Group. The specific focus will be on screening, characterizing and optimizing the growth of various microorganisms at shake flask scale. The candidate will also be expected to interact with personnel in the Pilot Lab to communicate experimental results so that they can be applied to larger scale fermentation systems.

**Essential Duties and Responsibilities:**

1. Use scientific methods in experimental designs.
2. Apply technical concepts and experience to complete assigned projects.
3. Conduct bench-scale experiments to evaluate and develop new fermentation technologies.
4. Prepare culture media, inoculate, harvest and analyze the results of shake flask experiments.
5. Perform a variety of analytical techniques, including electronic cell counts and fatty acid analyses.
6. Collect data and prepare reports on experimental results.
7. Identify issues and relationships with data when applicable.
8. Apply technical concepts and experience to specific assignments.
9. Use appropriate tools and skill to complete assigned tasks.
10. Support technology transfer.
11. 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 with 0-2 years.
2. Ability to work independently or within a team environment.
3. Excellent oral and written communication skills.
4. Demonstrate effective interpersonal skills while interaction with all levels of staff is required.
5. Good working knowledge and understanding of aseptic design is required.
6. Proficiency in Microsoft office (word, excel, power point, access)

**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>50 lbs</u>		

**Computer work**

N/A	Minimal	<input checked="" type="checkbox"/> Moderate
Significant		

**Temperature extremes**

N/A	Minimal	X Moderate
Significant		

**Noise**

N/A	Minimal	<input checked="" type="checkbox"/> 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