



RESEARCH SCIENTIST – ANALYTICAL SCIENCES

Columbia, Maryland

Department: Analytical & Product Development Chemistry
Reports To: Executive Director – Analytical Sciences
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 candidate will have the responsibility to develop advanced analytical solutions for thorough characterization of PUFA products to advance product development, assist process improvements and aid discovery science using the state of the art separation and spectroscopy technologies. The successful candidate will closely interact with multiple business and research functions which include fermentation science, process research, microbial biotechnology, regulatory, QA/QC, clinical, marketing, IP and manufacturing to provide valuable insights through critical dialog, thoughtful planning and excellence in execution of analytical science. This position requires a person with proven track record of analytical accomplishments and evidence of strong technical leadership in separation science.

Essential Duties and Responsibilities:

1. Develop timely solutions to complex analytical characterization problems related to brain, eye and heart health product developments, algal biosynthesis issues and new food ingredient developments.
2. Lead a cross-functional team to investigate and evaluate the impact of selected process variables on the lipid composition and down stream product purity issues and recommend right testing strategies.
3. Develop new analytical methodologies as required by business project needs.
4. Support Corporate (Business) Development as required, including developing technical information which will assist customer using our products and evaluating the quality and stability of finished products, and presenting this information to our customers.
5. Create, develop and support intellectual property filings as appropriate.
6. Recommend and implement strategies to create a leading technical position regarding LC-PUPA products and applications. Includes developing an external scientific consulting network, evaluating new instrumentation and procedures, and recommending capital and skill acquisitions.
7. Actively participate in selected scientific conferences, consistent with Martek's desire

- to establish and maintain a leadership position in LC-PUFA product technology.
8. Perform qualitative and quantitative characterization analyses of new internal and external nutrition product concepts as required.

Supervisory Responsibilities:

One Research Associate

Qualifications

1. PhD in analytical chemistry, biochemistry or food science discipline with a minimum of 5 - 10 years of experience in new product development & characterization
2. Proven expertise in LC/MS, GC/MS, NMR, IR techniques in solving complex lipid characterization problems in biological and food matrices
3. Successful track record of accomplishment in Research & Development as individual contributor and leadership positions
4. Specific and extensive knowledge of lipid chemistry is required
5. Prior experience with LC-PUFAs is a strong plus

Additional Duties:

1. Maintain records as necessary to support internal and external scientific papers and reports and intellectual property filings, and author both internal scientific reports and external scientific papers.
2. Maintain a safe working environment in the laboratory.
3. Provide appropriate supervision and leadership for direct reports including developing objectives, monitoring progress, mentoring and teaching new procedures and equipment and providing periodic performance and development feedback.

Requirements:

Physical Demands:

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

Sitting	<u>B</u> %	Standing	<u>B</u> %
Walking	<u>A</u> %	Driving	<u>N</u> %
Bending/Stooping	<u>A</u> %	Climbing	<u>N</u> %
Reach above shoulder	<u>A</u> %	Kneeling	<u>N</u> %
Pushing/Pulling	<u>A</u> %	Crawling/Crouching	<u>N</u> %
Lifting	<u>30</u> lbs		

Computer work
 _____ N/A _____ Minimal X Moderate _____ Significant

Temperature extremes
 _____ N/A _____ Minimal X Moderate _____ Significant

Noise
 _____ N/A X Minimal _____ Moderate _____ Significant

Travel:

Domestic 5 % International 0 %

Other exposures/demands:

Exposure to laboratory chemicals and solvents.

Please submit your resume and/or application (www.martek.com) to Human Resources at jobs@martek.com or fax to 410-772-5811.

Martek Biosciences Corporation is an Equal Opportunity Employer.

M/F/V/D