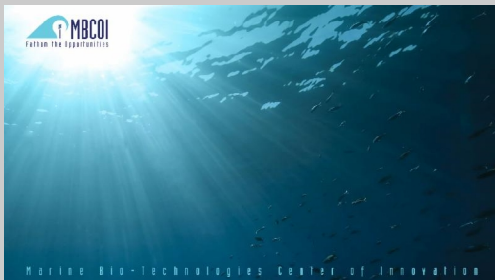


**From:** Marine Bio-Technologies Center of Innovation (MBCOI)  
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**Sent:** Thursday, July 16, 2015 3:16 PM  
**To:** mmiller@mbcoi.net  
**Subject:** Fathom the Opportunities 2nd Edition - July 2015

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Hi, just a reminder that you're receiving this email because you have expressed an interest in Marine Bio-Technologies Center of Innovation. Don't forget to add mmiller@mbcoi.net to your address book so we'll be sure to land in your inbox!

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## A Nexus for Marine Biotechnology Supporting the Blue Economy

### FATHOM THE OPPORTUNITIES

July 2015

**MBCOI and the North Carolina Biotechnology Center Southeastern Office (NCBiotech)** have secured North Carolina as the **first site in the US** for the **6th BioMarine International Business Convention** to be held in Wilmington, October 12-14, 2015. MBCOI has been working closely with the Governor's office, the Department of Commerce, the Economic Development Partnership, and the City of Wilmington, amongst others, to make this event a worthwhile investment for all attendees.



**Have you REGISTERED for BioMarine 2015 yet?**

The 2015 BioMarine Convention offers an unparalleled opportunity to showcase **marine related assets** to **~300 C-level executives** from around the world. Key features include:

- **Investment Track** - *new* this year
- **BioMarineTV** all sessions & CEO interviews streamed live
- **1:1 Partnering** meetings
- **Sponsorship** opportunities
- **Business & Innovation Tour** - Sponsored by University of North Carolina Wilmington (**UNCW**)

**Key Topics:** BioMarine's program includes sessions on marine biotechnology, commercial trends for marine compounds, algal biomass, aquaculture development, seaweed applications, bioplastics, and many others.

**Investment Track:** ~15 Small/Medium Enterprises (SMEs) will be selected to present to investors and industry representatives. For more information, contact **Greg Rall** ( [Greg.Rall@biomarine.org](mailto:Greg.Rall@biomarine.org)).

**Sponsorship Packages:** MBCOI will work with you to find an option that will give your organization the appropriate visibility at this convention. For more information, contact **Deb Mosca** ([dmosca@mbcoi.net](mailto:dmosca@mbcoi.net)).

### Trending News

**Aquaculture** - the fastest-growing sector of animal food production across the globe, outpacing combined growth rates of poultry and livestock by three times over the past 40 years. North Carolina is a global powerhouse for biotechnology industries and has a vibrant aquaculture industry.

**MBCOI** was recently awarded a **\$12,500 grant** from the Kenan Institute of Engineering, Technology & Science (**KIETS**) to conduct an **assessment of North Carolina's aquaculture assets**.

USDA SBIR program for aquaculture-related projects is now open. If you would like assistance with establishing industry/academic collaborations, please contact Roy Carter ([rcarter@mbcoi.net](mailto:rcarter@mbcoi.net)).

Marine Algae Industrialization Consortium (MAGIC), Duke University, Durham, NC Duke University was one of six awardees from the Dept. of Energy and will receive up to \$5.2 million to lead a consortium including the University of Hawaii, Cornell University, Cellana and others to produce protein-based human and poultry nutritional products along with hydrotreated algal oil extract.

Unlocking Marine Biotechnology: Marine organisms as a source of bioactive compounds with untapped potential as pharmaceutical agents.

Office of Energy Efficiency and Renewable Energy accelerates development and facilitates deployment of renewable energy technologies and market-based solutions that strengthen U.S. energy security, environmental quality, and economic vitality. Learn more about EERE's work with industry, academia, and

national laboratory partners on a balanced portfolio of research in biomass feedstocks and conversion technologies [here](#).

## Technology Platforms

**Technology Platforms:** MBCOI has secured exclusive partnerships to provide access to several exciting platforms that will expedite translation of research into new products and services in the areas of [Genomics](#), [Imaging](#), and [Literature Informatics](#). In this newsletter, we highlight the key features of the **Genomics** platform :

- Unprecedented Speed: The Motif Fingerprinting Technology (MF) processes at a speed which is approximately 30 times faster than other traditional heuristic methods.
- Unparalleled Accuracy: Demonstrated 100% accuracy in detecting the desired genetic sequence (motif), compared with traditional genomic analysis tools, for which the false positive rates could be as high as 80% and the false negative rates are around 25%.
- Discovers "unknown" DNA Sequences: As part of the MF, short DNA sequences are compared against the entire (pre-established) motifs database to generate greater insight into the unknown yet potentially important DNA sequences, which may be overlooked using traditional processing methods.
- Easily Scalable: The MF supports easy scalability for client requirements. MF is not limited by the size or quantity of genomic data to be processed.
- DOD-quality Data Security: The MF has been used for evaluating pathogens and potential bio-weapon samples for the US Department of Defense and Homeland Security, indicating compliance with highly secure data protection protocols.

Interested in learning more about our portfolio of technologies? Download **brochures** on [Genomics](#), [Imaging](#), [Literature Informatics](#), or [Aquaculture](#) or contact Roy Carter ([rcarter@mbcoi.net](mailto:rcarter@mbcoi.net)).

## MBCOI Welcomes Two New Board Members

**Ann Borden - President, EOS Remediation, Solutions-IES, Raleigh-Durham, NC**



Ms. Borden founded [Solutions-IES, Inc.](#) and [EOS Remediation, LLC](#) and continues to serve as President and CEO of both organizations. In addition to her technical expertise in contaminant hydrogeology and remediation, Ms. Borden has successfully developed and managed complex organizations in the state government and the private sector.

## Joseph Holmes - CEO, Acuity Edge, Research Triangle Park, NC



Mr. Holmes is the CEO of [Acuity Edge](#), a 50-person consultancy founded in 2000 which provides business strategy and innovation management services to corporate, university, government, and private equity clients including product development, investor due diligence, technology marketing, intellectual property valuation, deal negotiations, and startup management. As an Adjunct Professor within Duke University's Master of Engineering Management (MEM) program, Mr. Holmes secures practicum partnerships with companies including Cisco, Deutsche Bank, Hill Rom, IBM, Lenovo, Microsoft, Nokia, and Parsons.

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**MBCOI extends a special note of thanks to *Daniel G. Baden, PhD*, Director of the Center for Marine Science, William R. Kenan, Jr. Distinguished Professor of Marine Sciences for his dedicated service on our board of directors, and his invaluable help and continued support of our mission.**

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