



Photo: Kerry Dykens

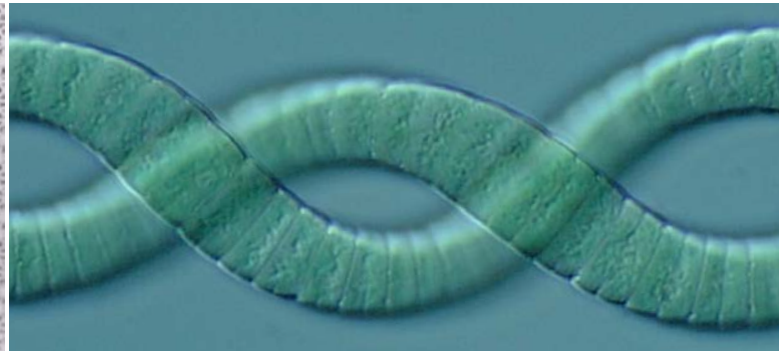


Photo: Pete Countway

Join the Algae Revolution

Tiny organisms. Massive impact.

Microalgae power ocean health, regulate our climate, and produce half of Earth's oxygen. Our mission is to help you **harness their potential**.

At Bigelow Laboratory, our scientists combine decades of expertise in marine ecosystems, algae cultivation, and sustainable food systems with cutting-edge technology and collaborative partnerships. In 2024, we secured \$7 million in funding from the National Science Foundation to accelerate algae-based research **anchored in Maine's thriving blue economy**.

The resulting collaboration is the MAINE Algal Research Infrastructure AND Accelerator, or MARIA. This is your chance to **bridge the gap between research and commercialization** — turning algae into innovation.

Algal Innovation: Novel Solutions from the Natural World

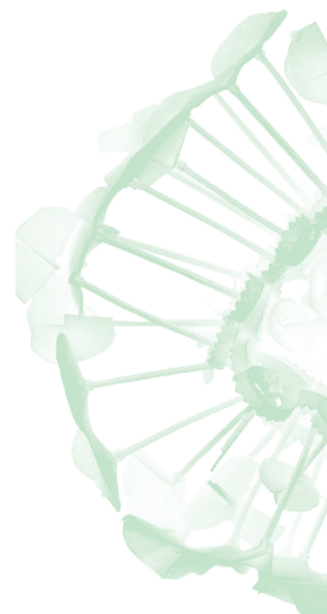
From **valuable compounds** to **innovative solutions** to societal problems, we help our clients and partners unlock algae's full potential. Bigelow Laboratory is home to one of the most genetically diverse collections of marine algae and microbiota in the world — the National Center for Marine Algae and Microbiota (NCMA). This collection is the fuel for MARIA, **helping drive innovation forward**.

Our high-quality, scientifically validated collection of algal strains can be used for a number of commercial and scientific applications, including:

- Aquaculture
- Agriculture
- Biotechnology
- Pharma- and Nutraceuticals
- Environmental solutions
- Sustainable materials



Photo: Greta Rybus



Pathways to Engage with Us

Collaborate

ACADEMIC RESEARCHERS: Apply for our seed grants.

PROFESSIONALS: Take short courses, gain industry insights, and leverage the MARIA network to pursue employment opportunities.

ENTREPRENEURS: Partner with us to pursue competitive funding, identify opportunities, and bring algae-based ideas to market.

Train & Grow

STUDENTS: Participate in internship programs through our partner institutions to gain cutting-edge algal research skills, learn about algal entrepreneurship, or both.

WORKFORCE DEVELOPMENT: Learn core algal research skills and techniques to fuel your career growth in the blue economy.

Connect

EVENTS: Join us for Algae Science Days, where professionals looking for a career transition, entrepreneurs, and investors come together to learn about opportunities for starting and growing businesses in Maine.

NETWORKING: Access our ecosystem of researchers, entrepreneurs, investors, and educators. We can put you in touch with the right institution or partner to help make your vision a reality.



Algal Infrastructure Access

CONSULTING:

- Literature review
- Experiment design

CONTRACT R&D:

- Screening and chemical identification
- Analysis biomass production and delivery
- Product testing on algae
- Pilot-scale harvest
- Greenhouse space rental

ADDITIONAL SERVICES:

- Cryopreservation of biological material
- Pilot-scale biomass harvesting and drying
- Microalgae, macroalgae, and cyanobacteria culturing
- Instrument analysis

DATA ACCESS:

- Traits
- Omics
- Metabolome



Maine's Competitive Edge

ACCESS, SUPPORT, AND SCALABILITY

Maine is home to a collaborative R&D ecosystem with strong life sciences experience, incubator space, and wraparound support. Start here — scale everywhere.

Contact us today to explore your path into the algae revolution

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