



## What is BIO?

The Biotechnology Innovation Organization (BIO) is the world's largest trade association representing biotechnology companies, academic institutions, state biotechnology centers and related organizations across the United States and in more than 30 other nations. BIO is the premier biotech trade association nationally and globally. BIO members are involved in the research and development of innovative healthcare, agricultural, industrial and environmental biotechnology products that are transforming how we heal, fuel and feed the world. To advocate for our industry, BIO is organized into four different sections to best represent our members and their goals. BIO will celebrate its 25<sup>th</sup> anniversary in 2018.

### **The Biotechnology Innovation Organization Industrial and Environmental Section**

BIO is the world's strongest advocate for the transformative and sustainable innovations in industrial biotechnology and biosciences championed by the Industrial and Environmental Section (IES) staff and members. IES members include Fortune 500 companies, as well as emerging companies because the support we provide helps them grow their businesses and stay abreast of the rapid advances occurring in industrial biotechnology. We work hard to ensure that industrial biotech, renewable chemicals, advanced and cellulosic biofuels, green chemistry and biobased products have the widest possible acceptance and use while helping to open doors for business development and investment opportunities globally.

BIO's Industrial and Environmental Section was formed in 1998 and brings together companies with an interest in utilizing industrial biotechnology to develop sustainable sources of energy and materials, innovative food, health and personal care ingredients, biobased products, renewable chemicals and improved manufacturing processes. IES consists of more than 60 leading industrial biotech companies or companies that are beginning to integrate biotechnology into their business model in some meaningful way (please see page 5 for a list of our member companies).

Below is a summary of many of the resources, structure, and composition of the Industrial and Environmental Section. To learn more about the BIO Industrial and Environmental Section please contact [Brent Erickson](#).

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## **Policy and Advocacy**

We promote the use of industrial enzymes, conversion of biomass to energy and renewable chemicals, and innovative clean up technologies. We work closely with the U.S. Congress, federal agencies, state governments, White House Office of Science and Technology Policy, non-government organizations, and international organizations to develop policies and support initiatives that encourage investment in the development of technologies that make our lives and environment cleaner, safer and healthier. The IES team focuses on consensus building between members and stakeholders to advocate policies with one unified voice.

BIO's IES team includes global experts on biotechnology policy and the uses of biotechnology in biomanufacturing, the chemical industry and bioenergy production. We provide services in three general areas: policy and advocacy, public relations and communications, and technical and business development conferences. These collectively build the biobased economy.

## **Communications Team**

BIO's Communications Department provides an overarching framework for advocacy and media relations work by BIO on behalf of its members. It provides a message framework for our members to speak with a unified voice as an industry that enables our members to work cooperatively on shared media opportunities.

## **The BIO World Congress on Industrial Biotechnology**

The BIO World Congress on Industrial Biotechnology was founded fifteen years ago and is now the largest international industrial biotechnology event bringing together business, academia and government to share knowledge, build bridges and to develop new value chains that integrate agriculture, chemistry and biotechnology. The BIO World Congress hosts unique business partnering functions through the BIO One-on-One Partnering™ System, which is considered the hub where initiations of new business relationships are discussed, partnerships are formed, and transformational deals are sealed. High level plenary sessions and breakout programming is designed to gain a deeper understanding of the critical issues facing the industry. Lastly, the conference organizes the GreenTech Investor Sessions, a forum for entrepreneurs, innovators, investors and financiers to discuss novel technologies. The [2018 BIO World Congress on Industrial Biotechnology](#) will be held July 16-19, 2018 in Philadelphia, PA.

## **Cost Savings Program and Business Discounts**

BIO Business Solutions® is the largest cost savings purchasing program for the biotech industry operated by BIO. Companies of all sizes save substantial money each year through its group savings program. BIO Business Solutions® offer members the opportunity to save on items they need to run a successful biotechnology enterprise - from lab products, business insurance, office supplies, shipping needs, and more.

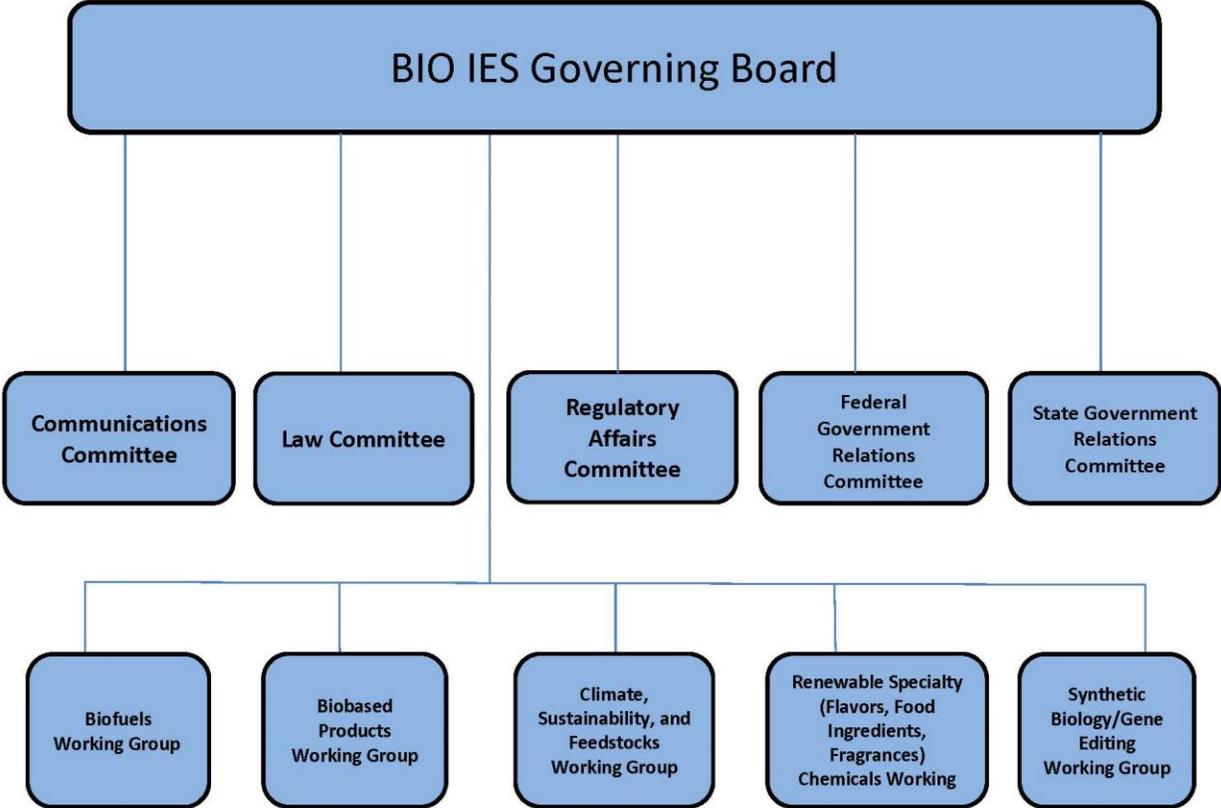
Participating Programs: Illumia • UPS • American Laboratory Trading (ALT) • BioSpace • VWR International • Chubb • Office Depot • Business Wire • Aon Risk Services • UniFirst • UniClean • Clean Harbors • ShareVault • Airgas • Humboldt • Nikon Instruments

## **BIO Member Benefits**

BIO member benefits are designed to help our members achieve their business objectives. As a member of the IES your company will enjoy:

- On call policy and advocacy expertise
- Proactive advocacy at the international, national and state levels
- On call communications and public relations expertise
- Business, policy and legislative intelligence
- Discounts to world class conferences
- Exposure for your company and your brand
- Identification with a positive industry sector
- BIO Business Solutions®
- Membership in an exclusive club of innovative companies

**BIO IES Committee and Working Group Structure**



## BIO Senior Staff

*Brent Erickson, Executive Vice President, Industrial and Environmental Section*

Brent Erickson is the Executive Vice President in charge of the Industrial and Environmental Section at the Biotechnology Innovation Organization (BIO). Mr. Erickson has led the Industrial and Environmental Section at BIO for over fifteen years and has significant policy and advocacy experience. Prior to coming to BIO he was at the American Petroleum Institute and the United States Senate.

*Rina Singh, PhD., Managing Director, Industrial and Environmental Section*

### **Biobased Products Working Group**

Deals with developing policy initiatives to advance the biobased products industry.

### **Renewable Specialty (Flavors, Food Ingredients, Fragrances) Chemicals Working Group**

Improve acceptance of and enhance the use of biotechnology and bio-based processes in pharmaceutical intermediates, fine chemicals, food additives, flavors, fragrances, personal care and nanotechnology.

### **Synthetic Biology and Gene Editing Working Group**

The Synthetic Biology and Gene Editing working group develops and implements strategies to highlight the significant contributions of Synthetic Biology and Gene Editing to the industry and society. Current priorities are to: 1) Monitor and participate in public policy decisions affecting synthetic biology and gene editing and 2) Enhance communication with, and educate, policy makers and the public to ensure the continued growth and success of the industry.

*Stephanie Batchelor, Director, State and International Policy, Industrial and Environmental Section*

### **Climate, Sustainability, and Feedstocks Working Group**

Guides engagement with industry sustainability certification efforts and development of policy options for climate legislation to enhance the uptake of all forms of industrial biotechnology.

### **State Government Relations Committee**

For lobbyists and those involved in state government affairs for industrial biotechnology products and processes.

### **Sustainable Supply Chain Task Force**

To address the sustainable feedstock supply chain and lack of consensus on which feedstocks are perceived as acceptable by consumer packaged goods companies and retailers for use in the production of bioplastics and biochemicals. This task force reports to the Climate, Sustainability, and Feedstocks Working Group.

*Erick Lutt, Director, Biofuels, Industrial and Environmental Section*

### **Biofuels Working Group**

Develops and supports policy initiatives to help grow the market for advanced and cellulosic biofuels and provide policy certainty to spur investment in the sector.

### **Federal Government Relations Committee**

For lobbyists and those involved in government affairs for IES member companies. Advocates and achieves BIO Industrial and Environmental Section's federal policy priorities.

*Kate Shenk, Manager, Regulatory Affairs, Industrial and Environmental Section*

### **Regulatory Affairs Committee**

To address the implementation of several regulations which will impact our members. The Committee's current top three policy issues are: Toxic Substances Control Act (TSCA), bioengineered food disclosure legislation and regulations, and the EPA regulations affecting algae production systems.

*Paul Winters, Director, Communications*

### **Communications Committee**

For those involved in all aspects of press and communications work dealing with industrial biotechnology.

## Industrial and Environmental Section Member Companies

Aequor, Inc.	Elevance Renewable Sciences, Inc.	Novozymes
Agrivida, Inc.	Enevolv, Inc.	Nucelis, LLC
Amyris, Inc.	Epygen Labs FZ, LLC	Phytonix Corporation
Anellotech, Inc.	Evolve	POET, LLC
Arzeda Corporation	Genomatica, Inc.	POET-DSM Advanced Biofuels, LLC
BASF Enzymes, LLC	Gevo	Praj Matrix - The Innovation Center
Biobased Technologies	Global Bioenergies	Primordial Genetics Inc.
BioBlend Renewable Resources, LLC	Green Biologics	ProteoNic BV
BioFiber Solutions International, Inc.	Green Life Can, LLC	Renmatix
Calysta	ICM, Inc.	Rennovia, Inc.
Cargill, Inc.	Industrial Microbes	Reverdia
ChemDiv, Inc.	Inscripta	Spruce Capital Partners
Corbion	Intrexon Corporation	Succinity GmbH
Danimer Scientific	Itaconix Corporation	Syngenta
DEINOVE	LanzaTech	Syngulon
DMC Biotechnologies, Inc.	Lumen Biosciences	Synthetic Genomics, Inc.
Domtar	Manus Biosynthesis	Treyls, Inc.
DSM, NV	Modern Meadow, Inc.	Twist Bioscience
DuPont	Modular Genetics, Inc.	Velocys
Dyadic International, Inc.	Monsanto Company	Verdezyne, Inc.
Earth Energy Renewables, LLC	National Corn-to-Ethanol Research Center	Virent
Edeniq Inc.	NatureWorks, LLC	Zymergen
	NexSteppe	
	NouriTech	

## BIO Membership Value Summary

- Access to policy committees and working groups
  - The most effective avenue to influence BIO's policy agenda
  - Keep abreast of important policy, regulatory, and political developments critical to your business
- Discounts at BIO conferences & events
  - Member discounts on registration, presentation, and exhibition fees
- Savings via BIO Business Solutions
  - The largest cost-savings program for the life sciences industry
  - Discounts up to 75% on an array of products and services from over a dozen popular suppliers
- Free subscription to BIO SmartBrief
- Access to BIotechNOW, timely newsletters, and other publications
- Company listing/website link in online Member Directory