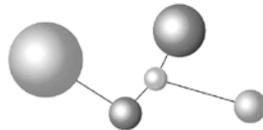


MONTHLY UPDATE

December 2013

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IowaBio Announcements

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IowaBio is Seeking New Executive Director

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Iowa Biotechnology Association (IowaBio) is accepting applications for a new Executive Director, effective immediately. This person will report to the Board of Directors and will have general supervision over the day-to-day operations of the association, subject to the control of the Chair and the Board of Directors. Interested parties can apply for the position and learn more about duties and qualifications by visiting www.iowabio.org/careers.

IowaBio's current Executive Director, Rachel Hurley, recently accepted a position with Monsanto as Manager of Government Affairs. We wish her all the best in her new career and congratulate Monsanto on gaining an invaluable new employee!

Participation Opportunities

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Welcome Back Legislative Reception

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IowaBio would like to extend an open invitation to attend the 2014 Welcome Back Legislative Reception on **January 14, 2014!** Similar to the January 2013 event, this **FREE** event will take place at the **State Historical Building in Des Moines, Iowa**. The event will be held from **5:00pm-7:00pm** with refreshments provided. Last year, there were over 300 registered guests and 100+ elected officials in attendance. Friends and colleagues of attendees are encouraged to come as this is a great opportunity to make new connections and meet with elected officials.

Along with the Iowa Biotech Association, the event will be hosted by the Iowa Association of Electric Cooperatives, the Iowa Institute for Cooperatives, Iowa Telecommunications Association, and Petroleum Marketers and Convenience Stores of Iowa.

To register for this event, please visit www.iowabio.org/welcomereception. We look forward to seeing you there!

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Iowa Student Internship Program: A Resource for Small to Mid-Sized Companies

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Internships are an essential part of the college experience. Not only do they help students gain real-world experience and get acclimated to a professional environment, but they also demonstrate to potential employers that the intern is capable of adding value to their organization.

The Iowa Student Internship Program provides grants to small and medium sized companies in the advanced manufacturing, biosciences, and information technology industries to help support their internship programs. The Iowa Economic Development Authority will accept applications **through April 30, 2014 or until the funds run out.**

Eligibility and Award Information

The program is available to Iowa based companies that meet the following criteria:

- Fewer than 500 employees, with a significant portion employed within the state of Iowa and engaged in one of the following industries: biosciences, advanced manufacturing or information technology.
- Offer the internship to students of Iowa community colleges, private colleges, regent universities or to students who graduated from an Iowa high school and attend a college or university outside of the state
 - An eligible student must be within two years of graduation
- Summer internships will last a minimum of eight weeks (averaging no less than 30 hours per week). Semester internships will last a minimum of 14 weeks (averaging no less than 10 hours per week.)
- Pay the intern at least twice the minimum wage (\$14.50).

Eligible companies can apply for support for up to three internships for fiscal year 2014. The program is managed on a reimbursement basis. The award amount allowable through this program will be in an amount of one dollar for every two dollars paid by the business to the intern, up to \$3,100 per intern.

Companies interested in participating in the Iowa Student Internship Program will find the application at <http://iowaeconomicdevelopment.com/WorkforceTraining/student>

If you have questions about the program, please contact Alana Anderson at 515-725-3196 or Alana.anderson@iowa.gov

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One Health Biomufacturing Summit & Industry Expo – 5th Annual Event

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People, animals, and our environment are all connected -- creating dynamic, profound and unprecedented challenges. The One Health concept is an approach to encourage collaborative, multi-disciplinary efforts locally, nationally and globally to obtain optimal health for humans, animals and our environment.

“The One Health Summit brings together the region’s thought leaders to uncover best-in-class strategies and practices needed to thrive in an increasingly competitive environment.” 2013 attendee

The 2014 Summit is for bioscience industry companies, research enterprises, and supporting organizations. Topics cover human and animal health, manufacturing strategies, regulatory issues, and cell-culture production. Speakers and topics appeal to a broad audience of senior level industry professionals working within manufacturing, process development and product operations, as well as civic leaders and educational professionals with an interest in people, animals and the environment.

The Summit combines podium presentation, panel discussions, and networking to allow subject matter experts to share best practices and lead discussions about some of the most important issues impacting our respective industry sectors. Podium presenters are combined in groups of three or four, and moderators lead the introductions for each speaker and the resulting panel discussions.

Discount Available for IowaBio Members! – As part of the Heartland Bio efforts, BIOKansas is offering discounted rates for IowaBio members interested in being Exhibiting Sponsors. This discount drops the registration cost from \$1200 to \$900 and provides you with a 6-foot table top space, one full-conference pass, and exhibitor listing in the program and on the website.

Registration begins January 15th. Please contact Melissa Moyer at melissa@iowabio.org prior to registration to ensure the proper steps are taken to receive the discount. For more information about the event and sponsorship opportunities, [please click here](#).

Upcoming Events

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Midwest Events

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Welcome Back Legislative Reception

January 14, 2014 / Des Moines, IA

Similar to the January 2013 event, this event will take place at the State Historical Building in Des Moines, Iowa. The event is free and will be held from 5:00pm-7:00pm with refreshments provided. Last year, there were over 300 registered guests and 100+ elected officials in attendance. Friends and colleagues of attendees are encouraged to come as this is a great opportunity to make new connections and meet with elected officials.

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Agribusiness Showcase & Conference

February 11-12, 2014 / Des Moines, IA

The Agribusiness Showcase and Conference is about giving attendees the opportunity to explore the innovative tools they need to grow their business, now and into the future. The industry's innovation and technology will be showcased through featured speakers, presentations, and exhibitors. Workshops and exhibits pertain to everyone in the industry – agribusiness senior management, Certified Crop Advisers, grain professionals, pesticide applicators, and more.

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Pittcon 2014

March 2-6, 2014 / Chicago, IL

Pittcon is the world's largest annual premier conference and exposition on laboratory science. It is organized by The Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, a Pennsylvania not-for-profit educational corporation which is comprised of the Spectroscopy Society of Pittsburgh (SSP) and the Society for Analytical Chemists of Pittsburgh (SACP). Pittcon attracts more than 18,000 attendees from industry, academia and government from 90 countries worldwide and is managed by a committee of volunteers and a 11-person staff.

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One Health Biomanufacturing Summit & Industry Expo

March 5-6, 2014 / Kansas City, KS

The 2014 Summit is for bioscience industry companies, research enterprises, and supporting organizations. Topics cover human and animal health, manufacturing strategies, regulatory issues, and cell-culture production. Speakers and topics appeal to a broad audience of senior level industry professionals working within manufacturing, process development and product operations, as well as civic leaders and educational professionals with an interest in people, animals and the environment.

\$300 Discount for IowaBio Members! [Click Here](#) to learn more

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Global Events

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Molecular Medicine Tri-Conference

*January 9-14, 2014
San Francisco, CA*

13th Annual PepTalk: The Protein Science Week

*January 13-17, 2014
Palm Springs, CA*

BioAsia 2014

*February 17-19, 2014
Hyderabad, India*

5th International Conference on Food Engineering and Biotechnology

*March 12-14, 2014
Penang, Malaysia*

PEGS China

*April 1-3, 2014
Shanghai, China*

Adoptive T Cell Therapy Conference

*May 7-8, 2014
Boston, MA*

All events can be found on our website's [Events Calendar](#)

Iowa Governor's Conference on Public Health

April 1-2, 2014 / Ames, IA

The Iowa Governor's Conference on Public Health is a one-of-a-kind event blending many facets of public health. This unique conference is planned by a group of partners, including: Child Health Specialty Clinics, Iowa Counties Public Health Association, Iowa Department of Public Health, Iowa Environmental Health Association, Iowa Public Health Association, State Hygienic Laboratory at the University of Iowa, and the University of Iowa College of Public Health. Over 500 public and environmental health professionals are expected to attend the 2-day conference.

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Prometheus Awards

April 9, 2014 / Des Moines, IA

The Prometheus Awards have been established as Iowa's largest and most prestigious distinction dedicated to recognizing and celebrating the innovation and brilliance of Iowa's high-tech industry. This ceremony honors both companies and individuals who have demonstrated outstanding leadership and excellence in technology. As one of the sponsors of this event, IowaBio is reserved a table for its staff and members. If you are an IowaBio member and would like to join our table, please email Melissa Moyer at melissa@iowabio.org to check availability.

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Save the Date! — IowaBio 4th Annual Golf Outing

June 5, 2014 / Norwalk, IA

IowaBio will be hosting its Fourth Annual Golf Outing on Thursday, June 5, 2014, at The Legacy Golf Club in Norwalk, Iowa. The outing is for IBA members and affiliates, and is a great opportunity to enjoy some sun, meet other IowaBio members and become more familiar with our vendors, who we thank for generously sponsoring these events. We kindly encourage attendees to bring a member from their Purchasing/Procurement department so they can learn more about IowaBio's vendors and discounts available through our **BioVantage Program**.

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Livestock Biotech Summit

September 16-18, 2014 / Sioux Falls, SD

This unique conference offers a focus on genetic engineering of agricultural animals including benefits, research and development, regulatory system, and challenges to advancing health, food and industrial applications of animal biotechnology.

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Industry News

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News stories containing company logos indicate IowaBio members

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Food & Agriculture



- ❖ Study linking **GM maize** to **rat tumours** is **retracted**
- ❖ **Monsanto** applies for federal permit to **develop new varieties of corn**



- ❖ **The AgAccord®**: Data Use and Compensation Agreement is **Open for Signature**
- ❖ Chinese company worker in **Iowa** accused of **stealing millions in seed technology**
- ❖ **Ghana's Cotton Farmers** Call for **Bt Cotton**
- ❖ Scientists discover wonder **rice gene to increase yields**
- ❖ **London** School of Economics report: Let **biotech** help feed world
- ❖ **Egypt** Hosts 1st International Conference for **Food and Agriculture**
- ❖ Study Measures **Bavarian** Students' Hopes and Fears on **GM**
- ❖ **Russia** to be allowed cultivation of **GMO crops**
- ❖ **Dow AgroSciences** Receives U.S. Patent for **Enlist™ Corn**
- ❖ EU court annuls approval of **BASF's Amflora GMO potato**
- ❖ **Brazil GMO planting to increase** by 6.8 percent this season
- ❖ **Amborella** Genome Sequence Offers Look Back into **Ancient Flowering Plants**
- ❖ **Biotech Crops Alliance** Considers Adding More Commodity Representation
- ❖ **Texas A&M** researchers to study **cowpea drought and heat tolerance**
- ❖ **Hershey** commits to **zero deforestation** for **palm oil**
- ❖ **Gansu** orders separate **GM food sales**
- ❖ Genetic Modification Increases **Tomato Plant Yields**

Food & Agriculture

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Healthcare & Pharmaceutical



- ❖ **CompleWare** Rebrands - **New Website** Highlights Integrated Focus



- ❖ **Braasch** to Push Horizons in **Somatostatin Vaccine** Space



- ❖ Scientists Discover **Genetic Differences** Between **'Identical' Twins**



- ❖ **Sanofi** to file **next-gen insulin** next year
- ❖ A **bioprinting pen** 'draws' living cells onto damaged bone
- ❖ CHMP backs two-dose **Cervarix**
- ❖ **Stem Cells** Turned into **Lung Cells**
- ❖ **Protagen** Selected by **Pfizer** to Support Clinical Drug Development of a **Novel Compound in Autoimmune Diseases**
- ❖ **'Designer Sperm'** Inserts Custom Genes Into Offspring
- ❖ FDA approves **phase 3 stem cell trial** for **metastatic melanoma**
- ❖ **TB Vaccine May Prevent MS**, if Given Early
- ❖ An **Artificial Hand** with **Real Feelings**
- ❖ US firm developing **malaria vaccine for pregnant women**
- ❖ **AbbVie hep C drug** cures 96% of patients in 12 weeks
- ❖ **Breast cancer drug** can also **prevent cancer**, study finds
- ❖ Little **C. elegans** May Hold Key to **Human Life Extension**
- ❖ **23andMe Suspends Health-Related Data** Interpretation for New Customers
- ❖ **Agenus** mounts a comeback on **positive results** for its **brain cancer vaccine**
- ❖ **Teen Gene Discovery** Offers Hope for Mentally Ill Young
- ❖ **Antibiotics** of the Future
- ❖ The **best biomedicine** stories of 2013

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- ❖ **Cargill** to build **wheat-based ethanol** plant in Germany



The miracles of science™

- ❖ **Arcadia Biosciences** and **DuPont Pioneer** to **collaborate on sorghum** technology development
- ❖ **Branstad slams White House** for cutting **renewable fuel** mandate
- ❖ **Iowa City** may be the next **MSW-to-ethanol** project for **Fiberight**
- ❖ **E85 Sales in Iowa** Strong
- ❖ **Iowa** officials seek hearing on **renewable fuel standard changes**
- ❖ **POET's Liberty project** to start commissioning in January
- ❖ Lawmakers propose to **eliminate corn from biofuels mandate**
- ❖ **logen** signs deal to build **biomass-to-ethanol** plant in **Brazil**
- ❖ **Argentina** Boosts **Biodiesel Blend to 10%** After EU Imposes Duties
- ❖ Farmers, local leaders tout the **benefits of ethanol**
- ❖ **McFly! Enerkem** begins commissioning of **garbage-to-fuels** commercial plant in **Alberta**
- ❖ **Evonik** and **LanzaTech** working on **bio-processed** precursors for **specialty plastics**
- ❖ **Concept car** features extensive use of **bio-based materials**
- ❖ **Bamboo** can lower the costs of **ethanol production**
- ❖ Sustainable Refining launches **vegetable oil bio-based vehicle undercoating** system
- ❖ USDA, US Navy unveil **Farm to Fleet program**: Navy "open for business" as **shift to biofuels blends** begins
- ❖ **Biodiesel Toyota** Land Cruiser 200 ready for **Dakar 2014**
- ❖ **Navy** to bulk buy **biofuel**
- ❖ **3D-printed bio-shoes** could repair themselves
- ❖ **Bioplastics demand** to hit 6.2m tons by 2017
- ❖ **Grass** as the new **biofuel**
- ❖ **Algae to crude oil**: Million-year natural process takes minutes in the lab
- ❖ **Isobutanol** approved for use in US **gasoline pumps**

Subscriber Information

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This message was sent to you as a benefit of membership in the IBA and/or a subscriber of our monthly newsletter. If you know of a company that would benefit from the Association's advocacy, financial savings and education/workforce focus, please have them contact the Association at 515-327-9156 or email rachelhurley@iowabio.org. Membership details are also available at www.iowabio.org.

If you would like more information on any topic or no longer wish to receive these messages, please email melissa@iowabio.org or call 515-494-9242.

Speaker Opportunities

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IBA staff members are available to give 15-60 minute speeches to interested groups, such as Rotary Clubs, trade associations, or civic groups. A broad range of topics could be discussed, included biotechnology, healthcare, food vs. fuel, legislative policy, investment and more. Contact Rachel Hurley at (515) 327-9156 or rachelhurley@iowabio.org.