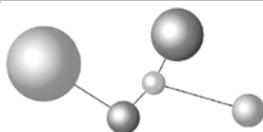


MONTHLY UPDATE

August 2013

Inside This Issue

- | | | | |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------------------------|
| 1-2 | <u>Participation Opportunities</u>
IowaBio Members: Receive 30% Off
Registration for the BIO
Convention in China
IowaBio is Now on LinkedIn | 6-8 | <u>Industry News</u>
Food & Agriculture
Healthcare & Pharmaceutical
Industrial & Environmental |
| 2-3 | <u>New Member Spotlight</u>
The State Hygienic Laboratory at
University of Iowa | 9 | <u>In Other News</u>
Fall 2013 Issue of ISU's
"Educator" Released |
| 4-5 | <u>Upcoming Events</u>
Midwest Events
Global Events | 9 | <u>Subscriber Information</u> |
| | | 9 | <u>Speaker Opportunities</u> |



Participation Opportunities

[\(Return to Index\)](#)

Discount Opportunity for IowaBio Members to Attend the BIO Convention in China

[\(Return to Index\)](#)

China has designated our industry, biotechnology, as one of the seven pillar industries in its 12th Five Year Plan. Now in its 4th year, the Chinese government is dramatically expanding its resources for innovative biopharma R&D.

This focus on innovative R&D has been reflected in a dramatic expansion of Chinese company's in-licensing of Western-originated projects. In fact, the number of in-licensing projects this year has already exceeded the number of in-licenses, JVs and M&A during 2012. Further, several Chinese companies have created venture capital arms and are investing in Western companies.

To ensure we are creating opportunities for our members to gain a presence in the burgeoning Chinese pharmaceutical market, we have partnered with BIO to re-launch the '**Pay it Forward**' program. You may recall this program was initially launched last spring, before the BIO International Convention, and allowed state affiliates to nominate candidates for special Convention pricing.

Continued on Page 2

MONTHLY UPDATE

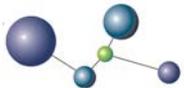
August 2013

We recognize that a trip to China can be expensive. To reduce this burden, we are **pleased to offer IowaBio members 30% off the BIO Member and Non-Member registration rate**—a cost of only \$907 (Member) and \$1,117 (Non-Member—an approx. \$400 value). This will provide each attendee with access to Program Sessions, Keynotes, Food & Beverage, Gala Reception, and access to the BIO One-on-One Partnering System.

There are no set criteria or restrictions to qualify for this pricing benefit other than to be an IowaBio member. You can learn more about the [2013 BIO Convention in China](#) (November 11-13, 2013) and view session details in the [digital brochure](#).

Don't miss the opportunity to make new connections. **If you are interested in attending the event and receiving the 30% discount, please contact Melissa Moyer at melissa@iowabio.org** to receive the designated Promo Code.

###



Follow IowaBio on LinkedIn!

[\(Return to Index\)](#)

IowaBio recently created a company page on LinkedIn in hopes of continuing to connect our members and industry partners in their endeavors. The company page highlights benefits and services available to IowaBio members and also features two groups – IowaBio Members and IowaBio Board Members. We encourage everyone to [click here](#) and follow our company page. Applicable persons can also request to be added to our [IowaBio Member group](#) and/or [IowaBio Board Member group](#).

We look forward to exploring this new media as a chance to keep the industry connected and growing!

New Member Spotlight

[\(Return to Index\)](#)

The State Hygienic Laboratory at the University of Iowa

[\(Return to Index\)](#)



Since 1904, the State Hygienic Laboratory (SHL) has been at the forefront of public and environmental health issues in Iowa. As the state's public health and environmental laboratory, SHL serves all of Iowa's 99 counties and several other states through disease detection, environmental monitoring, and newborn and maternal screening. As an academic department, SHL also provides extensive education, training and research programs throughout Iowa and the nation. This spotlight focuses on the service mission of SHL.

Continued on Page 3

MONTHLY UPDATE

August 2013

Disease Detection and Control

The primary mission of Disease Control Division of the State Hygienic Laboratory is to provide testing of human specimens and food or water samples for diseases of public health significance. SHL performs unique testing that is important to prevent the spread of disease in Iowa. In its early years, the Hygienic Laboratory tested for typhoid, diphtheria, rabies and tuberculosis. Today, the Laboratory also quickly responds to other infectious disease threats, including mumps, whooping cough, Salmonella and global threats such as HIV and tuberculosis. The Lab's mission has also expanded to address bioterrorism and chemical terrorism response and readiness.

The testing services focus on the diagnostic tests needed to identify Iowans stricken with a disease and environmental testing of food and water for microbial pathogens. The diagnostic testing includes detection of infectious germs, newborn screening for genetic disorders and maternal screening. For newborn screening, the laboratory performs tests for more than 40 genetic disorders.

In the area of infectious diseases, the Laboratory is divided into the classic microbiology sections of virology, bacteriology, parasitology, mycology, and environmental microbiology. Both traditional culture methods and molecular test methods are employed. In outbreak situations in Iowa, such as the recent Cyclospora outbreak, the Hygienic Lab is called upon to test samples for the physicians and epidemiologists. The Laboratory works in partnership with all of the clinical labs in Iowa where many of the pathogens are first detected. These labs then send samples to the Hygienic Laboratory for further characterization.

Environmental Monitoring

As an Environmental Protection Agency-certified facility, the Hygienic Laboratory conducts testing of drinking water as mandated by the Safe Drinking Water Act. The staff also works with the Iowa Department of Natural Resources to monitor waterways throughout the state for contaminants and to assess air quality in real-time and through lab testing.

The Environmental Health Program performs diverse sample testing of everything from air to wastewater, including clinical specimens (blood, hair, teeth, urine, etc.), fish, foods (spinach, orange juice, etc.), soil and sediment, water (drinking water, groundwater, wastewater, and surface water, and the unusual (athletic shoes, beehives, mail, various unknown powders, etc.). These samples may be analyzed for analytes literally from A – Atrax (atrazine) to Z – zirconium. For the most part, these samples are analyzed for a set list of analytes in support of an existing regulation, contract, grant or monitoring program.

In the Ankeny laboratory, testing services include industrial hygiene, limnology, metals, microbiology, minerals, nutrient demand, blood and environmental lead, and emergency preparedness testing as needed. In the Coralville laboratory, testing services include, asbestos, radionuclides and volatile organic compounds such as gasoline, polychlorinated biphenyls (PCBs), insecticides, herbicides and other pesticides, as well as emergency preparedness testing as needed. The laboratory at the Lakeside Field Campus in Milford, Iowa focuses on water quality and testing.

Newborn and Maternal Screening

The State Hygienic Laboratory Maternal Screening and Newborn Screening programs help give babies the best possible start in life. The Iowa Maternal Prenatal Screening Program – based in Coralville – and the Iowa Neonatal Metabolic Screening Program – based in Ankeny – are part of the Iowa Department of Public Health's (IDPH) Center for Congenital and Inherited Disorders. The Hygienic Laboratory is the designated testing facility for both programs. This highly specialized screening also is provided for babies born in North Dakota and South Dakota.

In addition to IDPH, the Laboratory partners with the University of Iowa Hospitals and Clinics, which provides physician consultation, counseling and follow-up services.

The State Hygienic Laboratory's main facilities are headquartered on the University of Iowa's Research Park campus northwest of Iowa City in Coralville. Additional testing facilities are part of the Iowa Laboratory Facilities in Ankeny. For more information, please contact Carol Adamson at carol-adamson@uiowa.edu or visit www.shl.uiowa.edu. The website also has a test menu for clinical and environmental testing that can be requested.

MONTHLY UPDATE

August 2013

Upcoming Events

[\(Return to Index\)](#)

Midwest Events

[National Advanced Biofuels Conference & Expo](#)

September 10-12, 2013 / Omaha, NE

Produced by BBI International, this national event will feature the world of advanced biofuels and biobased chemicals—technology scale-up, project finance, policy, national markets and more—with a core focus on the industrial, petroleum and agribusiness alliances defining the national advanced biofuels industry. With a vertically integrated program and audience, the National Advanced Biofuels Conference & Expo is tailored for industry professionals engaged in producing, developing and deploying advanced biofuels, biobased platform chemicals, polymers and other renewable molecules that have the potential to meet or exceed the performance of petroleum-derived products.

[\(Return to Index\)](#)

[Liquid Feed Symposium](#)

September 10-12, 2013 / St. Louis, MO

The country's largest gathering of liquid supplement leaders in manufacturing, nutrition, quality, sales and marketing attend the AFIA Liquid Feed Symposium. The annual symposium educates and promotes the agricultural liquid supplement industry through high-quality speaker presentations, research funding, achievement recognition and the Liquid Feed Symposium Trade Show.

[\(Return to Index\)](#)

[Turkish American Business Forum](#)

October 3, 2013 / Des Moines, IA

The IEDA's International Trade Office, in partnership with the Niagara Foundation, will host the Turkish-American Business Forum at the Embassy Suites Hotel in Des Moines from 8 a.m. to 3 p.m. Experts from Turkey will share market knowledge and provide valuable insights on doing business in Turkey. Specialists will draw on their understanding of business and legal practice and the economic and political climate. The luncheon keynote address will be provided by Iowa Governor Terry E. Branstad.

[\(Return to Index\)](#)

Continued on Page 5

Global Events

[California Biotech CEO Conference](#)

Sept. 9, 2013

San Francisco, California

[BioBasics: Biotech for the Non-Scientist](#)

Sept. 16-17, 2013

Boston, Massachusetts

[4th World Congress on Biotechnology](#)

Sept. 23-25, 2013

Raleigh, North Carolina

[2013 EFIB](#)

Sept. 30 – Oct. 2, 2013

Brussels, Belgium

[BIO Investor Forum](#)

Oct. 8-9, 2013

San Francisco, California

More Global Events on Page 5

MONTHLY UPDATE

August 2013

[2013 Iowa Cancer Summit](#)

October 10-11, 2013 / Des Moines, IA

On October 10th & 11th, the Iowa Cancer Consortium (ICC) will host the 2013 Iowa Cancer Summit in Des Moines, Iowa. This year's event will bring Iowans together to focus on the four sections of the Iowa Cancer Plan: prevention, early detection, treatment, and quality of life. The Summit is a great opportunity for attendees to learn how the ICC and their partners are taking action to reduce the burden of cancer in Iowa, and how the Iowa Cancer Plan can guide cancer control practices in Iowa. Physicians, nurses, social workers, community health educators, cancer survivors, caregivers, health advocates and elected officials are all encouraged to attend.

[\(Return to Index\)](#)

[4th Annual Midwest Cleantech Open Innovation Summit](#)

October 17, 2013 / Minneapolis, MN

Organized by Midwest Cleantech Open and its partners, this event convenes investors, entrepreneurs, Fortune 500 executives, policy makers, corporate sustainability managers, academic communities, economic development partners, trade groups, and other professionals interested in innovation, sustainability and cleantech solutions. The 4th Annual Midwest Innovation Summit will help you – a regional stakeholder – identify new resources for your organization, establish unique relationships, get a first glance at cutting-edge cleantech solutions, and learn from industry thought leaders.

[\(Return to Index\)](#)

[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.

[\(Return to Index\)](#)

[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.

[\(Return to Index\)](#)

Global Events

[2013 Advanced Biofuels Leadership Conference](#)

Oct. 9, 2013

San Francisco, California

[BIO Convention in China](#)

Nov. 11-13, 2013

Beijing, China

[Drug Development Boot Camp 2013](#)

Nov. 20-21, 2013

Boston, MA

[The New England Venture Summit](#)

Dec. 11, 2013

Dedham, Massachusetts

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

MONTHLY UPDATE

August 2013

Industry News

[\(Return to Index\)](#)

**News stories containing company logos indicate IowaBio members **

[\(Return to Index\)](#)

Food & Agriculture



The miracles of science™

- ✔ Seed firm purchase gives **Pioneer** a new foothold in Africa



- ✔ **Top French court lifts ban** on growing **Monsanto GM corn**
- ✔ **Monsanto's SmartStax maize** 'to be approved for growth in October' in EU



AGRI-BUSINESS
ASSOCIATION OF IOWA

- ✔ **AAI Partners With the 4R Nutrient Stewardship Program** to Achieve Cropping System Goals
- ✔ **Mike Naig** Named **Deputy Secretary For Iowa Ag Department**
- ✔ **Labels for GMO Foods** Are a Bad Idea
- ✔ **Kansas Corn Commission** hails **GMO website**
- ✔ Newly-discovered **Rice Gene for Drought Resistance**
- ✔ **Ghana** to test **four genetically modified crops**
- ✔ The \$330,000 **hamburger that was built in a lab** hits the spot
- ✔ **Biotech rice** could fight **rotavirus infections**
- ✔ **Caprotec Signs Plant Proteomics Research Deal** with **Syngenta**
- ✔ Horsham **GM wheat trial**
- ✔ **China** clears **biotech corn** import from **Argentina**
- ✔ **Petition backs GM trials**
- ✔ NSF Funds **Kansas State Wheat Genetics Center**
- ✔ Farmers' bodies **oppose ban on field trials in India**
- ✔ **Bayer Licenses PPI Technology** to Improve **Wheat Performance**
- ✔ **Former Anti-GMO Activist Pushes for Biotech Crops**; Highlights Scientific Credibility of GMOs
- ✔ **Spain** Considers Trial **Release of Genetically-Modified Olive Flies**
- ✔ Researcher developing **headblight-resistant GMO barley**

Food & Agriculture
(Return to Index)

MONTHLY UPDATE

August 2013

*News stories containing company logos indicate IowaBio members *

[\(Return to Index\)](#)

Healthcare & Pharmaceutical



- ✔ **Benchmark Biolabs** is spotlighted in the August 2013 **Lincoln Business** Journal for their work with **foot-and-mouth disease**



- ✔ **Kemin's New \$17M facility** creates 137 new jobs, more expansion planned

Genentech

A Member of the Roche Group

- ✔ **23andMe, Genentech** ask **Avastin** users to spit for science



- ✔ **Wynn** to donate \$25 million to **University of Iowa** to support vision research
- ✔ Deal done over **HeLa cell line**
- ✔ **Michael J. Fox Foundation** Program Launch New **Funding Opportunities for Parkinson's Research**
- ✔ **Google Glass** Could Become a Fixture in the **Operating Room**
- ✔ New **RNA-Based** Method for **Producing iPSCs**
- ✔ **NIH** awards **Sage Therapeutics** up to \$10M to develop **autism treatment**
- ✔ **Y Chromosome Studies** Suggest Modern Men Share Nearly **200,000-year-old Ancestor**
- ✔ Newly Found **Protein Modification** May Play a Role in **Cancer and Diabetes**
- ✔ **Biohit** unveils **blood-based test** to diagnose **celiac disease**
- ✔ Ban **Sunburn Pain** without Coppertone.
- ✔ **NIH** pushes for **biomarker research** to catch up with **needs of kids**
- ✔ **Bavarian Nordic** Rises on its **First Vaccine Approval**
- ✔ **NIA** to Fund Studies Using **Stem Cell Tools** to Understand **Alzheimer's Variants**
- ✔ A **Breathalyzer** That Knows When You're **Burning Fat**
- ✔ **Malaria vaccine** shows **early 'unprecedented' results** in NIH-backed study
- ✔ Early success raises hopes for **malaria vaccine**
- ✔ **GSK** launches \$50M fund to invest in **pioneering bioelectronics technology**
- ✔ **Targeted T cells** whip up excitement for **early-stage cancer immunotherapy**
- ✔ Gene Breakthroughs Spark a **Revolution in Cancer Treatment**
- ✔ Scientists Turn **Skin Cells Into Beating Heart Tissue**
- ✔ Nearly **450 drugs for neurological disorders** are in the pipeline

MONTHLY UPDATE

August 2013

*News stories containing company logos indicate IowaBio members *

[\(Return to Index\)](#)

Industrial & Environmental



- ♥ **Darling International** to acquire **Terra Renewal Services**
- ♥ **Iowa's E85 sales rose** 43 percent in second quarter
- ♥ **Iowa RFA launches E85 Wholesale Price Listing Service**
- ♥ **Iowa Biodiesel Production** Reaches Record High
- ♥ **Iowa's Vermeer** to share in **biomass** research effort
- ♥ **Iowa's Penford Products** introduces **PenStrength** for **recycled paperboard** applications
- ♥ **Marion** approves deal for **garbage-to-ethanol facility**
- ♥ REG completes purchase of **Soy Energy biodiesel plant in Mason City, Iowa**
- ♥ Iowa's **BioProcess Algae** helping **GPPE** take **algae experiment** commercial
- ♥ Milestone Claimed in Creating **Fuel From Waste**
- ♥ Capturing Carbon: the **role of biocatalysts and biofuels**
- ♥ Finnish Oil Refiner to Explore **Straw and Waste for Biodiesel**
- ♥ **EPA** may relax the **ethanol mandate in 2014**
- ♥ **Shanghai buses** to run on **swill oil biodiesel** from 2014
- ♥ EU-backed project produces **first algae crops for biofuel**
- ♥ Work begins on **cellulosic ethanol project in India**
- ♥ From beetle-killed trees to come **renewable energy**
- ♥ Researchers Turn **Waste Paper to Biofuel**
- ♥ Despite fracking boom, **US military** still looks to **biofuel over natural gas**
- ♥ **Quantum dots**: a new nanohighway to **renewable fuels**
- ♥ Is 2014 the **Year of E85?**
- ♥ Clearing **Southeast Asia's** smoky skies with **biofuels technology**
- ♥ **New Mexico State University** gets \$5M federal grant for **algae research**
- ♥ **NextFuels** targets **palm oil waste** for advanced biofuel production
- ♥ **Biobased butanol, butadiene and BDO** are having a hot year
- ♥ Scientists aim to produce **synthetic gasoline from sunlight and water**
- ♥ **Biomass facility** to locate at Port of Alexandria in **Louisiana**
- ♥ **Ethanol group** launches **media blitz** to hit back at critics

Industrial & Environmental

[\(Return to Index\)](#)

MONTHLY UPDATE

August 2013

In Other News

[\(Return to Index\)](#)

Iowa Biotech **Educator**

Fall 2013 Issue of ISU's "Educator" Released

[\(Return to Index\)](#)

Highlights of this season's edition include:

- Biotechnology supplies free to Iowa educators
- Master teachers offer their expertise
- Schedule field trips to BOEC or visits to your school
- Iowa Math and Science Teachers Fall Conference
- Microbiology workshop
- Career conferences for Iowa's young women
- Recycle lab supplies
- Summer biotech education workshops
- Biotechnology outreach education news by Mike Zeller
- Awards for educators

[Click here to view the newsletter.](#)

Subscriber Information

[\(Return to Index\)](#)

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

[\(Return to Index\)](#)

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, including biotechnology, healthcare, food vs. fuel, legislative policy, investment and more. Contact Rachel Hurley at (515) 327-9156 or rachelhurley@iowabio.org.