

MONTHLY UPDATE



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PARTICIPATION OPPORTUNITIES

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Life Sciences Asset Mapping Project Now Underway!

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The Heartland Civic Collaborative, in concert with IowaBio, BioKansas, Bio Nebraska, BioSTL, MOBIO and Kansas City Area Life Sciences Institute has selected RubinBrown as its partner to perform a census of life science assets in the four state region comprised of Iowa, Kansas, Missouri, and Nebraska.

Over the next several months, these organizations will be collaborating to identify, map, and document entities that are engaged in and/or support life sciences activities. "Life sciences" is broadly defined and includes human, plant, animal and agro sciences. The Life Sciences Asset Mapping and Census Database project will take place September 2014 through April 2015 and is expected to provide project stakeholders with a comprehensive picture of the life sciences industry in the four state region. At the completion of the census, stakeholders will possess actionable business intelligence to support their missions of growing life sciences economic activity in the region and better serving their constituents.

Please support these efforts by [participating in this study](#). Your participation and support is critical to helping strengthen the region's life sciences ecosystem by increasing collaboration, reducing economic leakage, and raising the profile of the region's life sciences industry. By participating, you will ensure that your organization is included as a regional resource and may improve growth and funding opportunities.

To learn more about this project, the Heartland Civic Collaborative, and how you can participate please visit www.rubinbrown.com/HCC.

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IowaBio Annual Meeting

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IowaBio will host its Annual Board Meeting on Thursday, December 11th from 10:00am-12:30pm. This meeting is open to all active IowaBio members and will include standard updates from IowaBio's staff as well as a vote to approve Board Members and Executive Committee members selected by the Nomination Committee. Attendees are welcome to arrive at 9:30am to view IowaBio's new office space located on the third floor and/or join us for a post-meeting lunch at Lucca. If you are interested in attending, **please register no later than Friday, December 5th at www.iowabio.org/annualmeeting**. Additional details regarding the meeting are below:

Locations

IowaBio Office

900 Des Moines Street
Des Moines, Iowa 50309

(Agricultural Business Association of Iowa Building)

Lucca

420 E Locust Street
Des Moines, Iowa 50309

Agenda

9:30am-9:55am

Office Tour

10:00am-12:30pm

Board Meeting

12:30pm-2:00pm

Lunch and social hour at Lucca

Registration

Please register by Friday,
December 5th at

www.iowabio.org/annualmeeting

PAST EVENT RECAP

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IowaBio's Legal Symposium

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On Wednesday, November 5, 2014 IowaBio hosted its first Legal Symposium, which focused on Intellectual Property issues faced by biotech companies today. The event featured five of IowaBio's member law firms who are top experts in the IP field and took place at the State Hygienic Laboratory's Center for the Advancement of Laboratory Science in Coralville, Iowa. The event was free to IowaBio members and University of Iowa Research Park companies.

Event Pictures

Pictures of the event can be found on our [Past Event Recaps](#) page.

CLE Credits

This event has been approved for **4.25 Continuing Legal Education (CLE) credits**. If you attended this event you can use this toward meeting your annual quota.

We had a great turnout at this event and thank everyone who was able to attend. We plan on hosting another Legal Symposium next spring; details will be announced in a future newsletter.

Special Thanks Again to our Event Sponsors



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UPCOMING EVENTS

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Midwest Events

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Partnership to Fight Chronic Disease

December 8, 2014 / Des Moines, IA

The Partnership to Fight Chronic Disease invites you to join PFCD Policy Director Candace DeMatteis and a panel of experts as they discuss the health care exchange in Iowa and how it affects patients in the state living with chronic disease. The event is free and lunch will be served.

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IowaBio's Annual Meeting

December 11, 2014 / Des Moines, IA

Register by 12/5/14

IowaBio will host its Annual Board Meeting on Thursday, December 11th from 10:00am-12:30pm. This meeting is open to all active IowaBio members and will include standard updates from IowaBio's staff as well as a vote to approve Board Members and Executive Committee members selected by the Nomination Committee. Attendees are welcome to arrive at 9:30am to view IowaBio's new office space located on the third floor and/or join us for a post-meeting lunch at Lucca. Registration and event details are located at www.iowabio.org/annualmeeting.

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9th Annual Iowa Renewable Fuels Summit

January 27, 2015 / Altoona, Iowa

Join industry leaders and decision makers to hear experts address state and national issues facing the future of renewable fuels, with a focus on the impacts of the mid-term elections on U.S. energy policy, the future of the federal Renewable Fuel Standard (RFS), and emerging opportunities for cellulosic ethanol, E15, and biodiesel.

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Agribusiness Showcase & Conference

February 10-11, 2015 / Des Moines, Iowa

The Agribusiness Showcase & Conference offers educational opportunities for Certified Crop Advisers (CCAs) and other agribusiness professionals while showcasing industry innovation and technology through featured speakers, presentations and exhibitors to over 1,000 attendees. The goal of the event is to give attendees the opportunity to explore the innovative tools they need to grow their business, now and into the future.

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Global Events

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9th Annual Veterinary Vaccines

*December 3-4, 2014
Brussels, Belgium*

Pacific Rim Summit on Industrial Biotechnology & Bioenergy

*December 7-9, 2014
San Diego, CA*

2014 New England Venture Summit

*December 10, 2014
Boston Dedham, MA*

6th Annual Next Generation Bio-Based & Sustainable Chemicals Summit

*February 4-5, 2015
New Orleans, LA*

BIO CEO & Investor Conference

*February 9-10, 2015
New York City, NY*

20% Discount for IowaBio Members!

View All Upcoming Events on our [Events Calendar](#)



New Member Spotlight

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Renewable Energy Group, Inc. (REG) is a leading North American advanced biofuels and renewable chemicals company, growing from a farmers' cooperative in rural Iowa to operating 10 active biorefineries in six states.

Rooted in Ralston, Iowa, REG got its start in advanced biofuels two decades ago while operating under the umbrella of West Central Cooperative. At the time, the co-op was looking for ways to add value to its vegetable oil inventory. The answer was biodiesel, a renewable fuel that significantly reduces greenhouse gas emissions while diversifying the country's energy stream.

REG diversified its product portfolio this year with the addition of REG Life Sciences, a research and development stage renewable chemicals company. REG Life Sciences is focused on harnessing the power of industrial biotechnology to develop practical, commercially relevant technologies that produce drop-in renewable alternatives to petroleum based chemicals, fuels and other products.

In addition to renewable chemicals, Renewable Energy Group also expanded its business this year to include renewable hydrocarbon diesel, with the acquisition and start-up of a 75-million gallon biorefinery in Geismar, Louisiana. The company also launched a blended fuels division – REG Energy Services – in February, which offers biomass-based diesel blended with petroleum diesel and home heating oil in the Northeast, as well as Minnesota and Iowa.

REG has expanded its footprint while remaining committed to its core biomass-based diesel business. The publicly traded company has delivered biomass-based diesel to 43 states and internationally in Canada and Mexico. REG indirectly supports thousands of jobs including farming, agricultural processing, transportation and rendering.

REG draws its success from its integrated value chain model. Through its nationwide logistics and distribution system, the company sold a record-breaking 259 million gallons of biomass-based diesel fuel in 2013.

Today, REG employs more than 500 people in 14 states and two continents with expertise in engineering, scientific research, sales and marketing, logistics, finance, manufacturing and information technology. Many have been in the renewable fuels industry since its infancy and played an integral part in REG's success, making it a durable, reliable and profitable company for customers and investors.

REG continues to expand with a global focus and continuously expanding product portfolio. Through this growth, the company remains committed to the communities it serves. REG is dedicated to safety, while continuing to provide quality products to strengthen the nation's energy security.

For more information, please visit www.reglifesciences.com.

IN THE NEWS

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News stories containing company logos indicate IowaBio members

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Food & Agriculture

Food & Ag
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- ❖ **Diamond V** developing new product



- ❖ **Ken Root** Inducted Into **Farm Broadcaster Hall of Fame**
- ❖ **GMO Answers Addresses Inaccuracies** in Consumer Reports Study on **GMOs**
- ❖ End states' attempts to **label our nation's food**
- ❖ **GMO food measure** fails in **Colorado; Oregon** initiative uncertain
- ❖ U.S.D.A. Approves **Modified Potato**. Next Up: French Fry Fans.
- ❖ **Rat Feeding** Tests Show **Bt Rice is Safe**
- ❖ **GMO** battles over 'settled' science spur **new study of crops**
- ❖ A new way to **bring students** to the **farm**
- ❖ **Photosynthesis 'Switch'** Increases **Rice Yields** by 30%
- ❖ **LanzaTech, IOC, NatureWorks, Calysta** make strides on **Omega-3s, lactic acid**
- ❖ **Mie University** researchers convert discarded **oranges** into 'juiced-up' biofuel

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Healthcare & Pharmaceutical

Health & Pharma
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- ❖ **NewLink Genetics** names **top virologist** to oversee **Ebola vaccine efforts**



- ❖ U.S. FDA approves **Sanofi's MS drug Lemtrada**



- ❖ **Iowa State University** graduate student searches for **plant extracts to treat devastating river blindness** in Cameroon
- ❖ **Ebola-carrying bats** may be heroes as well as villains
- ❖ **Rural students** urged to **study biomedical fields**
- ❖ **Mystic Pharmaceuticals** Introduces **ArrowFish™ Nasal Vaccine** and Drug Delivery System
- ❖ Can **Cystic Fibrosis** Treatment Improve Thanks To a **Ferret?**
- ❖ **First genetic-based tool** to detect **circulating cancer cells** in blood
- ❖ Sensor that runs **hundreds of lab tests from single drop of blood** wins Nokia Sensing XCHALLENGE

News stories containing company logos indicate IowaBio members

Industrial & Environmental

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Industrial & Environmental

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- ❖ **Green Biologics is Named # 6 in the 40 Hottest Smaller Companies** in the Advanced Bio-Economy by Biofuels Digest
- ❖ **New type of harvest** under way for **Poet plant**
- ❖ **Branstad, Nixon** to Head Bipartisan **Governor's Biofuels Group**
- ❖ **NC State Breaks Down Cell Walls**
- ❖ **Overpass Algae Farm** Eats CO2 Emissions
- ❖ **2015 Presidential Green Chemistry Challenge Awards Move Deadline To December 31, 2014**
- ❖ Yield Quest for **Cellulosic biofuels**
- ❖ **Biofuel From Whiskey Waste**
- ❖ Researchers discover **new digestive strategy in shipworms**
- ❖ **Mie University** researchers convert discarded **oranges into 'juiced-up' biofuel**
- ❖ **LanzaTech, IOC, NatureWorks, Calysta** make strides on **Omega-3s, lactic acid**
- ❖ First Ever **Biosynthetic Motor Oil** to Receive **Highest Industry Performance Certification**; Demonstrates Improved Fuel Economy

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STEM (Science, Technology, Engineering & Math)

STEM

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- ❖ **New teacher award** could impact your kid's future job
- ❖  **Girls Go STEM at University of Iowa**
- ❖  **Rockwell Collins** gives \$35,000 to **STEM council**
- ❖ Middle school **girls** get close-up look at **STEM jobs**
- ❖ A new way to **bring students** to the **farm**
- ❖ **Eastern Michigan University** awarded nearly **\$2M** in federal grants for **STEM students**
- ❖ **Rural students** urged to **study biomedical fields**
- ❖ **Corporate CEOs** Reach 330,000 Young People Through **High-Quality STEM Programs, Will Reach 1 Million** by the End of 2016
- ❖ **STEM fest** wows families
- ❖ **STEM Students** Prepare for **Regional Competition**

SUBSCRIBER INFORMATION

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This message was sent to you as a benefit of membership with IowaBio 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 info@iowabio.org. Membership details are also available at www.iowabio.org/membership.

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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IowaBio 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 Melissa Moyer at (515) 327-9156 or melissa@iowabio.org.