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February 2013

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IBA 2013 Partnering For Growth Forum

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Iowa Biotech Association and Iowa Innovation Corporation are excited to announce the second installment of the Partnering for Growth Forum! It is set to take place **March 27-28, 2013**, and will once again be held at the **FFA Enrichment Center on the DMACC Campus**.

This year's forum is taking multiple biotech industries into account, including Food & Agriculture, Industrial & Environmental and Healthcare & Pharmaceutical. By incorporating discussion panels, speakers, vendors and individual tracks that cater to these various sectors, we look forward to making this event an annual learning and networking highlight for the biotech community. We welcome you to register as an Exhibiting Sponsor or a visiting guest. **IBA Core & Entrepreneur members can sign up as Exhibiting Sponsors FREE OF CHARGE!**

Current confirmed speakers include:

- Governor Terry Branstad
- Lt. Governor Kim Reynolds
- Dr. Steven Leath, President of [Iowa State University](#)
- Rob Denson, President of [Des Moines Area Community College](#)
- Teresa Wahlert, Director of [Iowa Workforce Development](#)
- Dr. John Swart, CEO of [Exemplar Genetics](#)
- Derek Willis, Senior Program Manager of [SCRA](#)

For more information, including registration, agenda details and pictures/presentations from 2011, please visit www.iowabio.org/pfg. If you have any questions, please contact us at (515) 327-9156 or by email at info@iowabio.org. We look forward to holding this event and seeing you there!

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Judges Needed for ISU's State Science & Technology Fair of Iowa

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The State Science & Technology Fair of Iowa (SSTFI) is affiliated with the Intel International Science & Engineering Fair, the world's premier pre-collegiate science fair. The SSTFI is open to any student in the state of Iowa in grades 6-12. During the event, over 400 student research projects presented by more than 500 students are judged on the following criteria: creative ability, scientific thought or technology goals, research thoroughness, technical skill, clarity and dramatic value in the oral presentation.

The event culminates with the Grand Award Ceremony where over \$80,000 in scholarships and prizes provided by generous Iowa sponsors are awarded to Iowa students for their excellence in research. In addition, trips to the Intel International Science & Engineering Fair are awarded to the top two individuals, the top team project and their teachers.

Each year, Iowa Biotech Association awards five scholarships to students for exhibiting the best use of biotechnology. Awardees attending an in-state institution of higher learning are awarded a \$2,000 scholarship while those attending an out-of-state institution are awarded a \$1,000 scholarship. Since 2000, the IBA has given 63 scholarships to Iowa students who presented at the SSTFI.

In 2013, the Fair is taking place on Friday, April 5 and both IBA and SSTFI are looking for judges to participate in this year's event!

IBA Scholarship Panel Judges: IBA is reaching out to industry members to form 2013's Scholarship Panel of judges. This will require participation from approximately 12:00-5:00, where you will interview pre-selected projects and score them using a designated form. Near the end of the afternoon, the judging panel will reconvene and select the top five projects to receive scholarships.

Standard SSTFI Judges: SSTFI still has opening for standard judges at this year's event. Please note, this opportunity is not linked to IBA's Scholarship Panel. You will be assigned to a specific category and education level by SSTFI staff and will be responsible for visiting and scoring all projects under that section. A full day will be required to participate as a standard SSTFI Judge.

If you would like to sign up to be an IBA Scholarship judge or a standard SSTFI judge, please contact

melissa@iowabio.org for additional information and instructions. More details can also be found on IBA's website by [clicking here](#).

Thank you for your consideration regarding this event and we hope to hear from you!

###

STEM Academic Outreach Activities Survey

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The future of Iowa depends on its ability to boost student performance in science, technology, engineering and mathematics (STEM). Young people in Iowa increasingly face stiff competition for jobs from people across the world, and to succeed in the global economy, students will need a much stronger foundation in STEM subject areas. Therefore, our business and education communities are challenged with considering how Iowans can work together to grow a workforce with not only the knowledge but also the critical thinking, creative, collaborative, and problem-solving skills essential for global success. The South Central STEM Region is interested in growing partnerships that exist between businesses and PK-12 schools and organizations. If you are involved with outreach programs at your organization, please take a few minutes to fill out this survey, which has been designed to gather information about outreach activities in our region. [The survey can be accessed by clicking here](#)

This survey should take less than 10 minutes to complete. **We would like to have all responses by Friday, March 15, 2013.**

Please contact Kris Kilibarda, the South Central STEM (Science, Technology, Engineering and Math) Regional Manager at kris.kilibarda@drake.edu with any questions.

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New Member Spotlight

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BENCHMARK
BIOLABS
Benchmark Biolabs, Inc.

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Based in Lincoln, NE, Benchmark Biolabs, Inc. is a company of around 30 people. Benchmark was established in 1996 when the founders believed there was an opportunity for an independent contract company, built around Quality Systems, to augment the scientific capabilities of the veterinary biologics industry. Their mission is to provide the highest quality, most responsive, and most adaptable service at any point on the path from concept to commercialization.

Benchmark clients include top pharmaceutical and biological firms, universities, government agencies, and start up enterprises around the world. Benchmark has been utilized to expand scientific capabilities, reduce management budgets, manage fixed costs, resolve technical bottlenecks, address conflicting priorities, manage internal resources, and ultimately achieve technical and commercial success.

Clients are provided a full range of scalable services; focused on the validation, development, licensure, and commercialization of their unique technologies.

Functional areas include but are not limited to:

- Bench science
- Clinical science
- Regulatory assistance
- Product Licensing Plans
- Manufacturing
- Quality Assurance
- Quality Control
- Novel testing
- Reference requalification
- Delivery Systems
- Adjuvant Technology
- Financial Modeling
- Business Development
- Facility Design/Construction Management

Projects include but are not limited to:

- Master Seed/Working Seed production
- Injectable vaccines
- Oral vaccines
- Traditional vaccines
- Novel Biotech vaccines
- DNA vaccines and gene delivery
- Immunotherapeutics
- Dermatologicals
- Adjuvant development (customized)
- Unique platform support (adenovirus, insect cell, plant cell)
- Current influenza antigens
- Select agents
- Probiotics
- Nutraceuticals
- Formulations
- Purification

Benchmark's key management personnel have held Director, Vice President, and President positions across the industry. Benchmark's regulatory personnel have a long and outstanding relationship with government agencies.

Over the past two decades Benchmark has taken several products from initial concept through to licensure, and has contributed to the licensure of numerous other products. Collectively, Benchmark scientists are responsible for over 100 issued patents, 200+ USDA, FDA, and EU licensed products and establishments, and many groundbreaking technology introductions.

A few key achievements over the years include:

- Developed/Licensed (USDA) the world's first U.S. made bio-engineered FMD vaccine for cattle and associated manufacturing/production plant
- Developed/Licensed (USDA) the world's first plant cell derived vaccine platform and associated manufacturing/production plant
- Developed/Licensed (USDA) the world's first oral delivery platform for fish
- Developed/Licensed (USDA) the world's first in-vitro potency test for live parasites

Benchmark prides itself in the ability to take on projects at any level and on any timeline. Whether the most basic bench science activities or the most difficult and novel technology platforms and associated development plans, projects are streamlined and supported to success.

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For more information about Benchmark, please visit www.benchmarkbiolabs.com or contact Josh Johnson by email at jjohnson@benchmarkbiolabs.com or by phone at (402) 475-8104.

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Genentech

A Member of the Roche Group

Genentech

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Considered the founder of the industry, Genentech has been delivering on the promise of biotechnology for over 35 years. At Genentech, we use human genetic information to discover, develop, manufacture and commercialize medicines to treat patients with serious or life-threatening medical conditions. Today, we are among the world's leading biotech companies, with multiple products on the market and a promising development pipeline.

Genentech became a member of the Roche Group in March of 2009. As part of the merger agreement, Roche and Genentech combined their pharmaceutical operations in the United States. Genentech's South San Francisco campus now serves as the headquarters for Roche pharmaceutical operations in the United States. Genentech Research and Early Development operates as an independent center within Roche.

Today, approximately 50% of Genentech's pipeline and marketed products derive from successful collaborations with companies and institutions from around the world. We're known for exceptional science and pioneering medical breakthroughs. We bring that same innovative and entrepreneurial spirit to our partnerships.

Our aim as a leading healthcare company is to create, produce, and market innovative solutions for unmet medical needs. Our products and services help to prevent, diagnose and treat diseases, thus enhancing people's health and quality of life. Our commitment to sustainable development respects the needs of the individual, the society, and the environment.

Our values—Integrity, Courage, and Passion—are core to how we want to behave, as individuals and collectively as an organization.

- **Passion** means we use our drive and commitment to energize, engage and inspire others.

- **Courage** means we are entrepreneurial and thus take risks, reach beyond boundaries and experiment.
- **Integrity** means we are consistently open, honest, ethical and genuine.

These values define fundamental attributes for guiding decisions and actions leading to increased innovation and business performance.

For more information about Genentech, please contact Scott Setzepfandt at scottas@gene.com or by phone at (650) 467-0810. Additional information can also be found at www.gene.com.

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Iowa Biodiesel Board

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The Iowa Biodiesel Board (IBB) represents the biodiesel industry in Iowa, from production through distribution to end users, and promotes the commercial success of biodiesel in Iowa.

IBB provides many benefits to the state, in the form of supporting economic activity and providing energy security leadership. With production capacity of about 325 million gallons per year, Iowa is a leading state in biodiesel production. As a heartland state, many of the state's plants use soybean oil – an abundant local resource – to make biodiesel, but other renewable agricultural co-products and byproducts are also used, such as beef tallow.

Economic Impacts of Biodiesel

Biodiesel producers are a vital part of a manufacturing sector that adds substantial value to agricultural commodities produced in Iowa, and makes a significant contribution to the Iowa economy.

A study of 2012 biodiesel production levels shows an increase in economic activity generated by biodiesel production supported 4,982 permanent jobs. The industry's contribution to the state GDP is about \$400 million.

Farm Economy Impact

Higher soybean oil prices lead to higher soybean prices for farmers. Economic analyses show that corn, soybean, and

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livestock producers all benefit substantially from biodiesel production. Without the Iowa biodiesel industry in 2012:

- Iowa soybean prices would have been 8.3 percent lower
- Corn prices would have been 5.4 percent lower
- Beef cattle and hog prices would have been 1 percent lower

Since raising crush demand for soybeans also increases production of soybean meal, an increase in biodiesel use will reduce soybean meal prices to the benefit of Iowa's livestock producers.

The Iowa Biodiesel Board is a voluntary, nonprofit membership organization composed of both voting and nonvoting members, and is led by a nine-member board of directors. The Iowa Biodiesel Board of Directors are elected by the voting members of the organization, which represent various companies and associations.

Nonvoting members of the IBB are either organizations or individuals that are supportive of the biodiesel industry in Iowa, but not covered by the voting categories of membership.

For more information on the Iowa Biodiesel Board, please contact Randy Olson at randy@iowabiodiesel.org or by phone at (515) 334-1063. Additional information can also be found at www.iowabiodiesel.org.

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Upcoming Events

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Per reader feedback, we have updated this section to only include 1) events around the Midwest and 2) events IBA is hosting and/or attending. A full listing of industry events can be viewed on our online [Events Calendar](#).

[BrownWinick Legal Lunch 'n Learn Series, Session 1: "You're Not Going to Bill Me For This, Right?"](#)

March 5, 2013 / Coralville, IA

"Legal Lunch 'n Learn" is a three-session series hosted by BrownWinick and sponsored by University of Iowa's John Pappajohn Entrepreneurial Center and Small Business

Development Center. These sessions will run from 11:30 am – 1:00 pm at the BioVentures Center, with optional one-on-one sessions immediately following. Please bring your lunch to these sessions and we will provide the dessert. [\(Return to Index\)](#)

[Image Solutions Product Show & Social](#)

March 5, 2013 / Des Moines, IA

Image Solutions welcomes you to join them at their New Product Show & Social, featuring the freshest ideas for 2013 in promotional products and apparel! At this event, you can meet several of their premier industry suppliers and sample delicious food and drink from around the area. [\(Return to Index\)](#)

[STEM Summit](#)

March 5, 2013 / Des Moines, IA

On March 5, interested readers are welcome to attend the 2nd Statewide STEM Summit/Governor's STEM Advisory Council meeting. This meeting promises a whole new STEM-adigm in year 2 for Iowa. Lt. Kim Reynolds will provide the opening remarks and Richard Longworth, senior fellow at the Chicago Council on Global Affairs will provide the Keynote Address: A Midwest and Global Contact for Iowa STEM Education. Mr. Longworth is also the author of the book, *Caught in the Middle: America's Heartland in the Age of Globalism*. Breakout sessions will take place throughout the day, with a continental breakfast and luncheon provided. [\(Return to Index\)](#)

[One Health Summit](#)

March 5, 2013 / Overland Park, KS

The One Health Biomanufacturing Summit is for professionals involved in development and production of bio-based goods and services for the benefit of people, animals and the environment. The event will appeal to a broad audience of senior level industry professionals working within life sciences, manufacturing, process development and product operations, as well as civic leaders and educational professionals interested in the life sciences. [\(Return to Index\)](#)

[2013 BIO Fly-In](#)

March 12-13, 2013 / Washington D.C.

Once a year, BIO hosts the Legislative Day Fly-In, inviting biotechnology executives from across the country to come to Washington D.C. for a day and a half of legislative briefings and advocacy. BIO's 2013 Fly-In will occur March

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12-13, 2013, and we are looking forward to another great day of engaging with Members of Congress and their senior staff on the most important legislative issues facing the biotechnology industry. BIO will schedule all congressional meetings and provide attendees with a robust legislative briefing prior to their visits on Capitol Hill. Attendees meet in small groups with the congressional Members and senior staff of the attendee's congressional delegation. Each group will be accompanied by a BIO staff representative to all visits. **For more information regarding hotel accommodations, event agenda and registration, [please click here.](#)**
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[BrownWinick Legal Lunch 'n Learn Series, Session 2: "Warning Bells, Hazards and Traps"](#)

March 26, 2013 / Coralville, IA

"Legal Lunch 'n Learn" is a three-session series hosted by BrownWinick and sponsored by University of Iowa's John Pappajohn Entrepreneurial Center and Small Business Development Center. These sessions will run from 11:30 am – 1:00 pm at the BioVentures Center, with optional one-on-one sessions immediately following. Please bring your lunch to these sessions and we will provide the dessert.
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[BrownWinick Legal Lunch 'n Learn Series, Session 3: "Welcome to the Shark Tank: How to Avoid Being Eaten for Lunch"](#)

April 16, 2013 / Coralville, IA

"Legal Lunch 'n Learn" is a three-session series hosted by BrownWinick and sponsored by University of Iowa's John Pappajohn Entrepreneurial Center and Small Business Development Center. These sessions will run from 11:30 am – 1:00 pm at the BioVentures Center, with optional one-on-one sessions immediately following. Please bring your lunch to these sessions and we will provide the dessert.
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[2013 BIO International Convention](#)

April 22-25, 2013 / Chicago, IL

More than 16,500 biotech leaders from 4,000 companies in 65 countries will gather at BIO to network and discuss issues shaping the industry, as well as visit with 2,000+ companies showcasing the latest technologies, products and services. BIO One-on-One Partnering™ makes it easy to find potential partners and set up face-to-face meetings in the BIO Business Forum and the BIO Exhibition. There is a

wide range of registration packages available to suit your specific needs and if you **register by March 14th, you'll save up to 25%.**
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[Leroy and Barbara Everson Seed & Biosafety Symposium](#)

April 23-24, 2013 / Ames, IA

This year the Iowa State University Seed Science Center is hosting a new symposium series, the Leroy and Barbara Everson Seed & Biosafety Symposium. This year's theme is **"Seeding the Future: New and Emerging Traits and Seed Treatments"**. Activities will start with a celebration of the new symposium series at the Seed Science Center on the afternoon of April 23rd. The following day (April 24th) the symposium will convene for two sessions to be held at the Gateway Conference Center in Ames, Iowa.
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[2013 BIO World Congress](#)

June 16-19, 2013 / Montréal, Canada

The BIO World Congress on Industrial Biotechnology is the world's largest industrial biotechnology event for business leaders, investors and policy makers in biofuels, biobased products, and renewable chemicals. Entering its tenth year, BIO World Congress offers unique networking opportunities, an overview of the latest technological developments and real world scenarios for bringing technological solutions to market. The event features discussions of high profile topics related to sustainability, new sources of fuel, climate change, financing, and policy.

Money Saving Opportunity! – Export Trade Assistance Program (ETAP) funds are a great way to receive financial assistance to attend this event. The application date has been extended to **September 30, 2013**. [By clicking here](#), you will find information on how to apply, as well as on other financial assistance opportunities such as the Domestic Trade Assistance Program and State Export Trade Assistance program.
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Breaking News

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Food & Agriculture

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- ❖ **Monsanto's biotech soybean** wins approval in **Paraguay**
- ❖ **Biotech crops** drive up **Burkina Faso's cotton** production, producers said
- ❖ A Genomic Hope for **Fungus-Threatened Coffee Plants**
- ❖ **India** launches **pigeonpea molecular breeding** initiative
- ❖ \$17 million goes to **genomics-based salmon and trout research**
- ❖ FDA extends **comment period for biotech salmon**
- ❖ **Australian** researchers working on **heat-tolerant crops**
- ❖ **Biotech food labeling** law is halted in **New Mexico Legislature**
- ❖ **Rothamsted** considering another **biotech wheat trial**
- ❖ **Mexico's international grain research center** wins \$25M grant
- ❖ Global Status of **Commercialized Biotech/GM Crops: 2012**

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Healthcare & Pharmaceutical

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Genentech

- ❖ **Genentech's leukemia drug obinutuzumab** shows promise in trial

- ❖ **Genentech, RQx** agree to development partnership



- ❖ **J&J** Creates Space at **Janssen Labs for Life Sciences Entrepreneurs**

- ❖ **J&J** leads ranking of **most productive pharmaceutical firms**



- ❖ **Bayer** seeks U.S. and EU approval of **pulmonary hypertension drug**



- ❖ **Vaccine Study at University of Iowa**

- ❖ **Mice Fall Short** as Test Subjects for **Humans' Deadly Ills**

- ❖ **"Molecular Fountain of Youth"** May Exist

- ❖ **Biosimilars, CMOs** on FDA's list for guidelines coming this year

- ❖ **GSK** Signs Agreement with **Biological-E** for Six-in-One **Polio Vaccine**

- ❖ **3D Printing** with **Human Embryonic Stem Cells**

- ❖ Biotech plans **human trials of osteoarthritis drug** candidate

- ❖ Creating **therapies with macrocycles** could spur biologics development

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Industrial & Environmental

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- ❖ **BIO** welcomes EPA's proposed **RFS rules**

- ❖ Ethanol Industry Dismisses **API Report on E15**

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- ❖ How "lend-lease" could accelerate **Pentagon's biofuel push**
- ❖ **California** is the state with **most advanced biofuel companies**
- ❖ Report: Innovations are needed to **boost biomass availability**
- ❖ **Vilsack: Biofuels** can help rural economy
- ❖ Biofuels Digest's SuperData: **150 free biofuels downloads**
- ❖ Startup, university to research **heat-tolerant fungus for biofuel**
- ❖ **10 Algae Trends** for 2013
- ❖ Converting **meat byproducts into bioplastic**

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In Other News...

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The miracles of science™

DuPont Update Released – Q4 2012

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The final edition of the DuPont update for 2012 featuring articles from the past quarter was recently released by Billi Hunt, the Central Region Government Affairs Manager. This two-page newsletter gives you a brief glimpse into DuPont and its products. Topics of this quarter's article includes:

- Breaking Ground for Renewable Fuel
- National Lieutenant Governors Visit DuPont Pioneer
- Strengthening STEM Learning.

[Please click here](#) to view the newsletter.

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Branstad, Reynolds Thank Partners for Supporting Education Reform

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Tim Albrecht
Communications Director, Office Governor Terry E. Branstad and Lt. Gov. Kim Reynolds

Gov. Terry E. Branstad and Lt. Gov. Kim Reynolds today thanked the myriad Partners for Education Reform who have signed on with their proposal to make Iowa's schools the best in the nation. Branstad and Reynolds both understood the need for a broad, bipartisan effort when they released their proposal just last month.

"We have many good schools with committed educators, but they are stuck in a system designed for the 20th century, not the 21st century," Branstad said. "I am ready to invest significant resources into these educational reforms, which truly have the power to dramatically raise achievement. I want to thank these vital partners who will help us move education reform forward."

Reynolds highlighted the importance of enhancing the teaching profession as a whole.

"This is about strengthening the teaching profession for the benefit of both students and teachers," Reynolds said. "Teachers are the single most important influence on a child's success inside school, and educators are being asked to do much more to prepare students for our knowledge-driven economy. We must make sure new teachers are ready to rise to that challenge, while also providing more support for teachers already in the classroom. Our Partners for Education Reform understand this."

An electronic list of the Partners for Education Reform can be [found HERE](#).

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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.

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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.