



IowaBio May 2016

MONTHLY UPDATE

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PARTICIPATION OPPORTUNITIES

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2016 Golf Outing & Annual Board Meeting

2 Weeks Left to Register!

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2016 Golf Outing

IowaBio will be hosting its 2016 Annual Golf Outing on **Thursday, June 2nd at The Legacy Golf Club in Norwalk, Iowa.** The Outing is open to IowaBio members and contract vendors and will offer a great day of fun, prizes, and opportunities to network with our generous event sponsors! **Learn more and register at www.iowabio.org/golf.**

SCHEDULE

- 8:00am – Registration & Breakfast
- 8:15am – Putting Contest & Expo
- 9:30am – Shotgun Start
- 11:00am – Play-through Lunch
- 2:00pm – Contest Awards & Raffle

REGISTRATION

Cost

\$25 per person

Registration Deadline

May 20, 2016

SPONSORSHIP OPTIONS

Condor - \$2,500

Albatross - \$1,500

Eagle - \$750

Birdie - \$250

Annual Board Meeting

Following the Golf Outing, IowaBio will hold its Annual Board Meeting and Dinner at The Legacy Golf Club. The Annual Meeting and Dinner is open exclusively to IowaBio members (Entrepreneur, Core, Support and Institution) and will be a great chance for you to learn about IowaBio's recent and upcoming efforts. The cost to attend is \$25 per person and you do not have to attend the Golf Outing to attend the Annual Meeting. The meeting will take place from 3:30-5:30pm and the dinner will be held from 6:00-7:00pm. If you would like to attend, **please register by May 20, 2016 at www.iowabio.org/annualmeeting.**

Animal Health *in the* Heartland

Biotech's Role in Emergency Preparedness

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Evening Kick-Off Reception

July 19, 2016 | 5:00p – 8:00p

Brix at Midtown Crossing
Omaha, NE

Main Symposium

July 20, 2016 | 7:30a – 5:00p

Sorrell Center
University of Nebraska Medical Center
Omaha, NE

Cost

\$125 per Person

Registration Deadline

July 8, 2016

Register Now! The Iowa Biotechnology Association (IowaBio) and the Bio Nebraska Life Sciences Association (BioNebraska) are proud to announce the *inaugural Animal Health In the Heartland: Biotechnology's Role in Emergency Preparedness* symposium scheduled for Wednesday, July 20, 2016, at the Sorrell Center at the University of Nebraska Medical Center in Omaha.

Recent outbreaks of Avian Influenza (AIV) and Porcine Epidemic Diarrhea Virus (PEDV) have had serious consequences in our Heartland region, impacting animal health, human health, animal producers, the encompassing agriculture industry, and the overall economy both domestic and abroad. These were not the first diseases emerging in the region, and will certainly not be the last.

Biotechnology's Role in Emergency Preparedness symposium promises to offer key state and industry leaders the opportunity to discuss solutions for animal health preparedness. Our goal is to create an annual event where industry, academia and government sector leaders can interface to address the world's most foremost animal health issues, collaborate, and solve problems.

Learn more and register at www.iowabio.org/animalhealth

HOSTED BY



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Iowa Biotechnology Association Names Central Lee High School Sophomore as Iowa BioGENEius Finalist

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Aaron Wills Advances to San Francisco to Compete Against Top Students from Across the Nation and Canada



IowaBio has named Central Lee High School sophomore, Aaron Wills of Donnellson, as the winner of the 2016 Iowa BioGENEius Challenge, the premier competition for high school students that recognizes outstanding research and innovation in the biotechnology field. As Iowa's BioGENEius finalist, Aaron Wills will attend the 2016 BIO International Convention in San Francisco, the industry's trade conference, where he will engage with leading companies, scientists and innovators currently transforming the scientific landscape in order to gain invaluable insights into an industry making significant contributions to the world.

While in San Francisco, Aaron will compete against students from the U.S., Canada and Germany in the International BioGENEius Challenge. The projects presented will represent a range of biotechnology topics such as healthcare, agriculture, and the environment.

"The Challenge highlights the breakthroughs made when we invest and encourage our younger generations to pursue their ideas. These students are facing the world's greatest problems head on and providing solutions to heal, feed, and fuel people and the environment," said IowaBio Associate Director, Melissa Moyer. "IowaBio is excited to cheer Aaron on in San Francisco at the 2016 BIO International Convention as we already know that his research has great potential to help society as well as inspire others to pursue research projects."

"Our mission is to engage and excite student innovators by creating an environment that allows them to showcase their talents and help accelerate their development as the next-generation of scientists. The BioGENEius Challenges encourage students to apply their scientific knowledge to solve some of society's most pressing issues through biotechnology, allowing them to see the tremendous potential they have to make change in the world," said Dr. Lawrence Mahan, President of Biotechnology Institute. "We bring students, mentors and industry leaders together to promote excellence in scientific research from the best and brightest minds in the next generation of biotechnology innovators."

Aaron Wills' project focused on the ability of Lemna minor (duckweed) to metabolize and lower the nitrate level in Iowa's spring water, additionally reducing the occurrence of algal blooms. This has become a recent problem within our state and Aaron's project showcased an innovative, biological and environmentally-friendly solution. The IowaBio judging panel was captivated by his passion, depth of research and interest in working with his local community to finding a global solution. He will be a great student to represent the state of Iowa and the ag/environmental side of biotechnology.

"I am honored to represent Iowa and compete in the U.S. in the 2016 International BioGENEius Challenge," said Aaron Wills. "The best part will be meeting kids from other countries and being in San Francisco."

About the Biotechnology Institute

The Biotechnology Institute is an independent, national nonprofit organization dedicated to education about the present and future impact of biotechnology. Its mission is to engage, excite and educate the public, particularly students and teachers, about biotechnology and its immense potential for solving human health, food and environmental problems. For more information, visit www.biotechinstitute.org.

NEW MEMBER SPOTLIGHT

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Veterinary Vaccines
Consulting Group, LLC

EDGE Veterinary Vaccines Consulting Group, LLC

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www.edgevcg.com

The mission of EDGE is to provide cutting edge regulatory support for veterinary biologics.

Founded in 2013, in the past three years EDGE consulting group has provided support to over 40 biologics firms. The client base is varied and global, ranging from new start-up entities to major corporations, universities and government agencies. Our goal is to provide rapid delivery of our services, with a focus on providing the level of regulatory input the client needs.

Our knowledge base is built from over 100 years of combined experience in veterinary biologics and is a blend of industry and agency perspectives. This blend allows us to look at a project from both sides and get to a solution that will work.

Product planning and development is certainly central to the business, but we find that our clients make a wide variety of requests and value our regulatory review for a number of other business objectives, including global market expansion, acquisitions, expansion into new product lines, and preparation for regulatory inspections. In addition, we offer training in all aspects of veterinary vaccine regulatory affairs. We have developed short on-line training courses to on-site in-depth programs. Again, the focus is on what the client needs.

Hans Draayer: "Since our founding in 2013, EDGE has taken on a leadership role in veterinary biologics. The small firms don't always have the funds to join industry associations. We are able to go to the industry/agency meetings and be their voice."

Carolyn Ross: "I find there are a number of firms who just need access to that person who can open the door for them. Who can lay out the regulatory path forward. We do that for them, and we bring to the table regulatory experience from industry and from the USDA. It's a great combination."

Our Team Members:

Hans Draayer, Founder and Chairman of the Board: Hans has devoted his entire career to the development and registration of veterinary biologics. He has worked for major corporations including Pfizer, SmithKline Beecham, and Beecham Laboratories, holding various senior regulatory and R&D management roles, Hans has developed and licensed vaccines for all major species with the USDA Center for Veterinary Biologics and other global regulatory agencies.

Donna Gatewood, President and Chief Operating Officer: Donna has over 20 years of experience working toward the development and licensure of veterinary vaccines. Her graduate work focused on the effect of growth conditions on bacterial protein expression. After graduate school, she held leadership positions in the veterinary vaccine industry in Research and Development and in Regulatory Affairs. She left industry to join the USDA's Center for Veterinary Biologics, where she worked in the Policy, Evaluation, and Licensing Section, first as a Senior Staff Reviewer and then as Section Leader for Virology.

Larry Elskan, Vice President for Global Development: Larry received his BS (Zoology) and Doctor of Veterinary Medicine from Iowa State University, and also did graduate work in Veterinary Microbiology at ISU. After 2 years with the USDA Agricultural Research Service at the National Animal Disease Center, Larry moved to the USDA's Center for Veterinary Biologics. After 12

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years in the CVB's bacteriology and virology biologics testing laboratories, he spent 13 years with the CVB licensing and policy development unit and 3 years in the CVB inspection and compliance unit. He finished his USDA career with the CVB as Global Vaccine Manager, where he worked with foreign and domestic veterinary vaccine manufacturers on all aspects and requirements for CVB licensing, testing, and inspection of vaccines for Avian Influenza, Foot and Mouth Disease, Classical Swine Fever, and other transboundary animal diseases.

Carolyn Ross, Vice President for Regulatory Strategies: Carolyn has over 20 years of experience in the veterinary vaccine industry, working for major animal health firms including Fort Dodge Animal Health and Zoetis. She has held roles in both research and development and regulatory affairs, contributing to the development of new products for the US and EU markets. She also has experience with life cycle management for existing product lines; providing regulatory strategy for market expansion, implementation of process improvements across multiple markets and divestment and acquisition. Her latest experience includes regulatory support for production facilities to meet USDA Inspection and Compliance requirements and the use of quality systems and deviation reporting in a production setting.

UPCOMING EVENTS

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Midwest Events

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[IowaBio Golf Outing & Annual Board Meeting](#)

June 2, 2016 | Norwalk, IA



IowaBio is hosting its Annual Golf Outing on Thursday, June 2nd at The Legacy Golf Club in Norwalk, Iowa. Following the Outing, IowaBio will hold its Annual Board Meeting and Dinner. Both activities are open exclusively to IowaBio members. The cost to attend either portion is \$25 per person.

[Regulatory Affairs Leadership Certificate Program](#)

June 13-17, 2016 | Des Moines, IA



As a response to the industry changes, Drake University has developed a comprehensive leadership program specifically in the area of regulatory affairs. Drawing upon expertise from Drake's Intellectual Property Law Center, the Agricultural Law Center, College of Business and Public Administration, and the College of Arts & Sciences, the Regulatory Affairs Leadership Certificate from Drake University integrates history, innovation, strategy, and business acumen to instill individuals with the skills and expertise to navigate regulations in this vital, fluid industry.

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[Animal Health in the Heartland](#)

July 20, 2016 | Omaha, NE



Co-presented by IowaBio and Bio Nebraska, the inaugural Animal Health in the Heartland symposium promises to offer key state and industry leaders the opportunity to discuss solutions for animal health preparedness. The event will allow industry, academia and government sector leaders to address the world's most foremost animal health issues, collaborate, and solve problems.

INDUSTRY NEWS

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News stories containing company logos indicate IowaBio members



First Genetically Engineered Miniswine Research Model Cleared by FDA for Commercial Use



Pacific Biosciences and **Advanced Analytical Technologies** Announce **Co-Marketing Agreement**



Boehringer Ingelheim's animal health business takes a further step to conclude strategic **swap transaction with Sanofi**

IOWA STATE UNIVERSITY
ISU's Spring 2016 'Educator' Released

Iowa Offers Tax Incentives In Bid To Become An Epicenter For **Innovation In Bio-based Materials**



Zoetis Champions Swine Health in Canada with **Pigcare.Ca**



Genentech turns 40 — and now it's **'Biotech Day'**



Iowa Renewable Fuels Association

Iowa legislature unanimously extends blender pump program funding



HARRISVACCINES

Harrisvaccines wins innovationLEADER of the Year award

Life Science Asset Databases Now Available!

In 2015, IowaBio completed two asset mapping projects to help others discover the biotech talent located in Iowa and the Midwest. See below for additional information and a link to the two databases:

- **Iowa Ag/Bioscience Asset Database** – A comprehensive reference database for the state's agbioscience, agribusiness and healthcare industries. This database combines years of industry data into a single, searchable resource intended to help interested parties understand, strategize, forecast and identify opportunities within Iowa's key industries for economic growth.
- **Heartland Civic Collaborative Life Science Database** – A collaborative effort between four biotech associations in the Midwest. It contains nearly 800 life science companies within Iowa, Nebraska, Kansas and Missouri along with their locations, websites, industry segments and more.

Visit www.iowabio.org/en/resources/life_science_asset_databases to download the files

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.

Capitol Report

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IowaBio began issuing a Capitol Report in February 2015. It is a legislative update issued on a periodic basis and allows readers to learn more about our legislative activities and bills that may affect the biotechnology industry. If you would like to receive these reports by email, please visit www.iowabio.org/capitolreport - a link to subscribe and view archives is available on this page.

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 Joe Hrdlicka at (515) 327-9156 or joe@iowabio.org.