

IowaBio May 2015

MONTHLY UPDATE

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PARTICIPATION OPPORTUNITIES

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SBIR Road Tour

SEEDING AMERICA'S FUTURE INNOVATIONS™

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The **SBIR-STTR ROAD TOUR** is a multi-state tour that aims to fuel technology growth and development in the nation through the [Small Business Innovation Research \(SBIR\) and Small Business Technology Transfer \(STTR\) programs](#). This is an opportunity to learn about the Federal SBIR/STTR Program from Federal program managers in charge of administering the programs at their only event in Iowa. For more information about the tour, please visit www.sbirroadtour.com.

Participating agencies include: USDA, DOD (Air Force and Navy), Education, DOE, NIH, Homeland Security, DOT, EPA, NASA, NSF, SBA. **To register for the SBIR Road Tour on July 15 in Iowa City, [please click here](#).**

Prior to the SBIR Road Tour's July 15 stop in Iowa City, the event organizers will host two pre-meetings. Attendees may select to attend **ONE** of these pre-meetings (July 13 or July 14) at the location that is most convenient to them. **To register for one of the Pre-Meetings on July 13 or 14, [please click here](#).**

These events will be hosted by the Iowa Innovation Corporation, Iowa State University, University of Iowa, UI Ventures, Iowa Energy Center, Iowa Biotech Association, and Iowa Association of Business and Industry.

Main Event

[View Agenda](#)

July 15, 2015

8:00am – 2:00pm

Sheraton Hotel
210 S. Dubuque Street
Iowa City, Iowa

Pre-Meetings

[View Agenda](#)

July 13, 2015

9:00am – 4:30pm

ISU Research Park
2711 S. Loop Drive, Bldg 4
Ames, Iowa

OR

July 14, 2015

9:00am – 4:30pm

Sheraton Hotel
210 S. Dubuque Street
Iowa City, Iowa

NEW MEMBER SPOTLIGHT

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About Proliant, Inc.

Proliant Inc. was born of the entrepreneurial vision of Wally and Nix Lauridsen, a father and son team who believed that the company's success would depend upon the delivery of a quality product that would exceed the expectations of the customer. Over forty years later, Proliant Inc. is part of a global family of privately-held companies owned by The Lauridsen Group, Inc. (LGI), whose philosophy has remained the same: "concentrate on quality and the business will take care of itself."

Specializing in the development and production of ingredients for animal and human health and nutrition, LGI has formed a global presence in a number of markets and industries

Proliant Biologicals

Proliant Biologicals has established itself as a world leader in the manufacture of animal-derived proteins, producing media components and a variety of grades of Fraction V Bovine Serum Albumin (BSA). As the industry's leading manufacturer of BSA and purified animal proteins, Proliant Biologicals provides the highest level of consistency, traceability & quality in the market today.

BSA

Proliant Biologicals is the only manufacturer of BSA who utilizes USDA Edible Grade Plasma and controls the entire process, from collection, through transport and processing. Our computer-facilitated manufacturing employs a state-of-the-art, modern, efficient, closed system that closely parallels the environmental and process controls found in traditional pharmaceutical manufacturing. Proliant Biologicals' commitment to quality also extends well beyond facility and process design. Proliant maintains an extensive Quality Assurance team that is fully committed to documentation and process control. Standard Operating Procedures (SOP's) are built into every step in the process, from raw materials entering the manufacturing site, through processing, packaging, testing and process improvement.

Proliant's traceability and unparalleled attention to current Good Manufacturing Practices (cGMP) ensures that our BSA products meet the exacting standards and specifications demanded by diagnostics, biopharmaceutical and research customers worldwide.

As a member of the International Serum Industry Association (ISIA), Proliant Biologicals has recently achieved ISIA Traceability Certification, which is crucial for pharmaceutical and medical device customers. According to the ISIA Organization, "traceability of serum origin throughout the supply chain has become essential for all global cGMP applications". For more information about ISIA and its Traceability Certification Program, please visit www.serumindustry.org.

Proliant Biologicals products continue to serve the diagnostic, cell culture and medical device application industries throughout the world. For more information regarding Proliant's BSA manufacturing process, click [here](#).

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Media Components

Proliant Biologicals also offers a line of first-class microbiological and fermentation media components. With Proliant Biologicals' history of unmatched excellence, our purified proteins and media components provide a consistent source of critical raw materials for the Microbiological, Pharmaceutical and Vaccine production industries. To download our media brochure, click [here](#).

For more information about Proliant Biologicals, please visit www.proliantbiologicals.com.

Entera Health Inc.

Also founded by LGI, Entera Health, Inc. is focused on innovations in human health and nutrition through the development of clinically safe biotherapeutics. Entera Health's dedication to research has produced EnteraGam, a medical food specially formulated for patients with enteropathy (IBS-D, HIV-induced enteropathy and other causes). With commercial and clinical research offices in Cary, NC, and R&D in Ankeny, IA, Entera Health continues to conduct bio-active protein and peptide research to discover new therapies for unmet human health needs. A series of products are being developed for oncology, gastroenterology, and immune disorders, among others. For more information about Entera Health Inc. and EnteraGam®, please visit www.enterahealth.com and www.enterahealth.com.

UPCOMING EVENTS

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Midwest Events

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[2015 Annual ABI Conference](#)

June 10-12, 2015 / Bettendorf, IA

ABI is heading east for our 2015 Taking Care of Business Conference. Make plans now to join us along (and on!) the Mississippi River next June for the best business conference of the year! This event includes top networking opportunities, inspiring speakers, educational breakouts and, of course, golf.

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[SBIR Road Tour](#)

July 15, 2015 / Iowa City, IA

The SBIR Road Tour is a national outreach effort to convey the non-dilutive technology funding opportunity provided through the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs. Federal and State Program Managers representing the \$2.5 billion in early stage funding have been invited to attend a series of events alongside technology entrepreneurs and innovation supporters from across the United States.

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[KC Animal Health Investment Forum](#)

September 1, 2015 / Kansas City, MO

The KC Animal Health Investment Forum provides a unique opportunity for venture capital funds, investment firms and animal health companies to hear from emerging companies with the newest technology. It offers one of the only opportunities in the world for early stage companies in the animal health sector to present their vision and business plan to potential investors. Companies presenting at the Forum have raised nearly \$130 million. Several have also received licensing agreements or distribution contracts.

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Global Events

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[AAPS National Biotechnology Conference](#)

June 8-10, 2015
San Francisco, CA

[BIO International Convention](#)

June 15-18, 2015
Philadelphia, PA

[BIO World Congress on Industrial Biotechnology](#)

July 19-22, 2015
Montreal, Canada

[Drug Development Boot Camp](#)

November 17-18, 2015
Boston, MA

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



INDUSTRY NEWS

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News stories containing company logos indicate IowaBio members

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Food & Agriculture

Food & Ag



- ❖ **Solazyme** CEO Jonathan S. Wolfson to Receive the 2015 **BIO George Washington Carver Award**

IOWA STATE
UNIVERSITY

- ❖ **ISU Research Park** aims to urbanize, double in size
- ❖ USDA opens its evaluation of **another GE potato variety** to the public
- ❖ Dow AgroSciences, Arcadia Biosciences and Bioceres Collaborate to **Develop and Commercialize Soybean Traits**
- ❖ **Uganda** ruling party greenlights **superbananas and other GMO**
- ❖ With **new \$17M Nebraska facility** and UNL's input, **Bayer** hopes to do for **wheat** what biotech has done for corn, soybeans
- ❖ EPA approves **protein development** to fight **citrus greening**

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Healthcare & Pharmaceutical

Health & Pharma



- ❖ **Spotlight Innovation Becomes Member** of Iowa Biotechnology Association



- ❖ **Harrisvaccines** to begin testing **bird flu vaccine**

IOWA STATE
UNIVERSITY

- ❖ **ISU Research Park** aims to urbanize, double in size
- ❖ **DNA Repair Mapped** by UNC Researchers
- ❖ Missouri scientists seek public's help in **quest to sequence feline genomes**

Industrial & Environmental

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Industrial & Environmental



- ❖ **Solazyme** CEO Jonathan S. Wolfson to Receive the 2015 **BIO George Washington Carver Award**



- ❖ 'Back to the Future' With **N-butanol**



- ❖ **ISU Research Park** aims to urbanize, double in size
- ❖ **Iowa** leaders call for **biochemical tax credits for ethanol, biodiesel**
- ❖ **Urban Air Initiative** teams up with **Clean Fuels Omaha** to combat pollution
- ❖ **Novozymes** to supply world's first **sawdust-based biofuel refinery**
- ❖ Researchers tout **oilseed's potential in South Dakota**

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STEM (Science, Technology, Engineering & Math)

STEM

- ❖ Students need more **STEM opportunities** (Guest View)
- ❖ OTHER VOICES: **Business partners** help raise awareness of **STEM**
- ❖ IUPUI to Host '**Girls in STEM**' Conference
- ❖ '**Girls in Science**' Program Still Growing at **Science Center of Iowa**
- ❖ Everyone loves **STEM education**, but not **STEM's lessons**
- ❖ STEM News Roundup: **Choosing STEM Summer Camps**

In Other News

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Solazyme CEO Jonathan S. Wolfson to Receive the 2015 BIO George Washington Carver Award

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The Biotechnology Industry Organization (BIO) named Solazyme CEO and co-founder Jonathan S. Wolfson as the recipient of its [2015 George Washington Carver Award](#) for innovation in industrial biotechnology. George Washington Carver was one of the founding fathers of the chemurgy movement, a branch of applied chemistry focused on manufacturing industrial products from raw agricultural materials. Industrial biotechnology is the modern-day equivalent of Carver's vision for chemurgy, and the award honors individuals for carrying on Carver's legacy.

"I am truly honored to accept the 2015 George Washington Carver Award for Solazyme's contribution to creating better, safer and healthier oils and ingredients for people and the planet," said Wolfson. "For more than a decade, we have been working to solve some of the world's biggest problems with one of its smallest and most ancient life forms: microalgae. Innovation never rests, and we will continue to use the tools of modern biotechnology to produce solutions that the world needs now more than ever."

"BIO is pleased to recognize Jonathan for his determination to provide innovative biotech solutions to some of today's greatest challenges in energy, nutrition, personal care and industrials. Just like George Washington Carver, Jonathan wants others to live better by having access to greener consumer products, healthier foods, better home and personal care products, and more sustainable, cheaper transportation fuel," said Brent Erickson, Executive Vice President for BIO's Industrial & Environmental Section.

"Jonathan S. Wolfson's commitment to this industry matches that of George Washington Carver. The innovation he has demonstrated throughout his career makes him very worthy of the recognition attached to this award," said Joe Hrdlicka, Executive Director of the Iowa Biotechnology Association and sponsor of this year's award.

Wolfson will receive the award and give a brief talk at the upcoming BIO World Congress on Industrial Biotechnology in July in Montreal, Canada. A special selection committee chose Wolfson for his vision to take one of the smallest organisms in the world – microalgae – and use it to revolutionize some of the biggest industries in the world. Solazyme's revolutionary biotechnology platform enhances the oil-producing nature of microalgae at the cellular level to tailor-make amazing oil profiles that bring specific benefits to people and the planet.

The company's sustainable algal oils can replace petroleum-based and other unsustainable oils widely used in many industries today. Solazyme's algal oils have a lower carbon footprint than nearly all other oils– including fossil fuels, palm, palm kernel, and soybean. The company is able to turn plant-based sugars – like sucrose from sugar cane and dextrose from corn – into entirely new sources of healthy food ingredients in a matter of days.

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Jonathan has positioned Solazyme to succeed across a variety of vertical industries – from skincare to food, from industrials to liquid fuels – with many of the world’s leading brands lining up to co-develop and purchase Solazyme oils, making the company first to market with algae-based ingredients for chemicals and biofuel.

In November of 2014, Solazyme was awarded the Presidential Green Chemistry Challenge for its groundbreaking microalgae-based renewable oils and ingredients platform. This was the first time that an algae company has been recognized for this honor.

A graduate of New York University (NYU) School of Law and Stern School of Business, Jonathan recognizes the value of education in propelling biotechnology innovation. In his tenure at Solazyme, he has overseen the filing of the company’s 300-plus technology patents.

Past recipients of the Carver Award are Ellen Kullman, CEO & Chair of the Board, DuPont in 2014; Dr. Jay Keasling, Hubbard Howe Jr., Distinguished Professor of Biochemical Engineering at the University of California, Berkeley in 2013; Steen Riisgaard, president and CEO of Novozymes in 2012; Gregory Stephanopoulos, the Willard Henry Dow Professor of Chemical Engineering at Massachusetts Institute of Technology in 2010; Charles O. Holliday, Jr., chairman of the board of DuPont in 2009; and Dr. Patrick Gruber, CEO of Gevo, Inc., in 2008.

The [2015 World Congress on Industrial Biotechnology](#) will be held July 19-22, 2015 at the Palais des congrès de Montréal in Montréal, Canada.

All programs at the World Congress on Industrial Biotechnology are open to attendance by members of the media. Complimentary [media registration](#) is available to editors and reporters working full time for print, broadcast or web publications with valid press credentials.

For more information on the conference, please visit www.bio.org/worldcongress. For assistance, please contact worldcongress@bio.org. [Industrial Biotechnology](#) (Mary Ann Liebert, Inc., publishers) Journal is the official publication for the BIO World Congress on Industrial Biotechnology.

About BIO

BIO is the world's largest trade association representing biotechnology companies, academic institutions, state biotechnology centers and related organizations across the United States and in more than 30 other nations. BIO members are involved in the research and development of innovative healthcare, agricultural, industrial and environmental biotechnology products. BIO also produces the [BIO International Convention](#), the world’s largest gathering of the biotechnology industry, along with industry-leading investor and partnering meetings held around the world. [BIOtechNOW](#) is BIO's blog chronicling “innovations transforming our world” and the BIO Newsletter is the organization’s bi-weekly email newsletter. [Subscribe to the BIO Newsletter](#).

About Solazyme, Inc.

Solazyme, Inc. develops and sells high-performance oils and ingredients that are better for people and better for the planet. Starting with microalgae, the world’s original oil producer, Solazyme creates innovative, sustainable, high-performance products. These include renewable oils and ingredients that serve as the foundation for healthier foods; high-performance industrial products; unique home and personal care solutions; and more sustainable fuels. Headquartered in South San Francisco, Solazyme’s mission is to solve some of the world’s biggest problems with one of the world’s smallest and earliest life forms: microalgae. For additional information, please visit Solazyme’s website at www.solazyme.com.

SUBSCRIBER INFORMATION

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Monthly Newsletter

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

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