



THE 16TH ISBR SYMPOSIUM

#ISBR2023

"Advancing science in support of sustainable bio-innovation"

30 April - 4 May 2023, Union Station Hotel, St. Louis, MO, USA

Abstract submission deadline 9 December 2022!

News Update November 2022

- **Register now - plan your travel early**
- **Deadlines**
- **Program, Speakers & Side events**
- **Sponsorship**
- **Photo Competition**
- **Useful Links**

For detailed information please click here

Register Now and Plan Your Travel Early

Don't miss out on your opportunity to be part of this major, in-person symposium on biosafety and sustainable bio-innovation. Showcase your work and engage with leaders in the field. Registration for ISBR2023 is open, so act now to secure your place and book your travel now to avoid disappointment. International travel is now open but be aware, there are **currently very long processing times for USA visa applications** from some countries.: Therefore, we encourage you to ensure your passports are valid, get your visa issued, book your flights, [register](#) and [book your accommodation](#) at the special discounted rates for ISBR delegates.

REGISTER NOW!

For detailed information please click here

Deadlines - Important dates to diarise

Note: **Abstract submission closes on 9 December 2022!**

	Opening Date	Closing Date
Abstract submission	1 July 2022	9 December 2022
Early Bird Registration	1 July 2022	11 March 2023
Regular Registration	12 March 2023	29 April 2023
Onsite Registration	30 April 2023	4 May 2023
ISBR Photo Contest	29 June 2022	10 March 2023

For detailed information please [click here](#)

Side Events

We are excited to announce that parallel, complimentary tours to Bayer CropScience or The Donald Danforth Plant Science Center will be offered on Thursday 4 May at 1.30 pm. Watch out for more information soon on how you can express interest in joining one of these tours.

Don't forget to check out the [St Louis's visitors guide](#) for a complete list of great places to eat, shop, play and stay in St. Louis. Inside you'll find helpful maps, information about local neighbourhoods and all the must-see attractions the Gateway City has to offer from nightlife and sports to family-friendly, music and theatre. For the baseball fans, the [St Louis Cardinals](#) are also in town during the symposium!

Program Overview & Speakers

ISBR2023 is proud to introduce its keynote speakers!

I. Opening address: Prof Joseph Jez (*Washington University in St. Louis*)



Joe Jez is the Chair of Biology, Spencer T. Olin Professor, and a HHMI Professor at Washington University in St. Louis. Joe was an undergrad at Penn State (1992), received his Ph.D. at the University of Pennsylvania (1998), and was an NIH postdoctoral fellow at the Salk Institute (1998-2001). After working at Kosan Biosciences (2001-2), he started his group at the Danforth Plant Science Center (2002), and then moved to Washington University (2008). He has received a Presidential Early Career Award for Scientists and Engineers (PECASE), Phytochemical Society Neish Young Investigator Award, Fulbright Senior Specialist Award, and AAAS Fellow. Research in the Jez lab uses a combination of structural biology, protein chemistry, and plant science to understand biochemical pathways in plants and microbes with the aim of engineering these systems to address agricultural and environmental problems.

II. Ensuring social license for bio-innovation:

Prof Jeantine Lunshof (*Harvard Wyss Institute for Biologically inspired Engineering*)



Prof Jeantine Lunshof's research interests are concerned with philosophical research ethics in the field of genomic sciences and biological engineering where disruptive technological innovations call for epistemological and normative exploration. At the Wyss Institute, she leads the implementation of the model of "Collaborative Ethics" across the field of Biologically Inspired Engineering. Focus areas are computer-designed programmable life forms like Xenobots and biobots, synthetic biology and organ-on-chip translational research that aims to bridge the gap between lab-based human model systems studies and human clinical trials. Jeantine developed the innovative model of Open Consent for the Personal Genome Project, as a collaborator of George Church in the Harvard Medical School (HMS) Department of Genetics.

III. Fit-for-purpose governance frameworks for sustainable bio-innovation:

Dr Andrew Newhouse & Prof William A Powell (*State University of New York*)



Dr Andrew Newhouse has been working on projects that overlap the fields of conservation biology and molecular biology since 2003. Starting in 2007 he has worked with the American Chestnut Research & Restoration Project, at the State University of New York's College of Environmental Science & Forestry. This project has developed transgenic American chestnut trees that tolerate chestnut blight, a disease that nearly extirpated mature trees from their native range in the eastern USA. Andrew's contributions to this project have ranged from molecular analyses to ecological comparisons, and his current focus is on the federal regulatory review process that is required before transgenic trees can be distributed or used for restoration.



Dr. William A Powell received his BS in biology in 1982 at Salisbury University, MD, and his Ph.D. in 1986 at Utah State University. He spent over two years as a postdoctoral associate at the University of Florida. In 1989 he became a faculty member at the State University of New York's College of Environmental Science and Forestry at Syracuse, NY, where he began collaborating with his colleague, Dr. Charles Maynard, developing methods to transform American chestnut (*Castanea dentata*) and testing resistance enhancing genes, culminating in a blight-tolerant American chestnut tree. He has also worked with American elm, Ozark chinquapin, Allegheny chinquapin, hybrid poplar, and Arabidopsis. Dr. Powell currently has over 70 publications and one patent. He teaches courses in Principles of Genetics, Plant Biotechnology, and How to Present Research to the Public

IV. Risk analysis for persistent engineered genetic traits:

Dr Gerardine Mukeshimana (*Minister of Agriculture and Animal Resources, Rwanda*)



Dr. Gerardine Mukeshimana is the Minister of Agriculture and Animal Resources of the Republic of Rwanda. As a Minister she is responsible for oversight of all agricultural and livestock-related activities in the Country, charged with new policy formulation, oversight of the implementation of existing policies, work with other Ministries and Development Partners on issues that affect the agricultural sector especially land use and land management, trade, commerce, infrastructure, gender and youth employment. Prior to that, Dr. Mukeshimana worked at the International Livestock Institute, MINAGRI, and the National University of Rwanda. She holds both a Ph.D. and Master's degree in Plant Breeding, Genetics, and Biotechnology from Michigan State University.

V. Sustainable biotechnologies for a changing world:

Dr Joe Cornelius (*CEO, Gates Ag One, St Louis*)



As CEO of Gates Ag One, Joe sets a visionary and strategic course for their efforts to champion innovations and cultivate global networks that prioritize the needs of smallholder farmers. Joe began his career on a small, diversified family farm and has dedicated his professional life to improving the world through agricultural advancements. Most recently, he led efforts to strengthen agriculture's adaptive capacity to climate change at the Bill & Melinda Gates Foundation, where he served as a director for its Global Growth and Opportunity Division. Joe brings to our team more than 30 years' experience developing and launching new product inventions and has led breakthrough life-science research at multiple organizations including the Advanced Research Projects Agency in the U.S. Department of Energy. Joe holds a Ph.D. and M.Sc. in Plant, Soil, and Environmental Science, as well as an MBA in Technology Entrepreneurship.

[For detailed information please click here](#)

Topic-Specific Parallel Sessions

Ten topic-specific parallel sessions, as well as six general parallel sessions, will cover new developments in technologies, social and regulatory aspects at an international scale.

[For detailed information please click here](#)

Workshops

Four confirmed workshops will provide interactive format sessions dealing with policies, regulation, harmonization and risk assessment.

[For detailed information please click here](#)

Sponsorship

A big thank you to our sponsors for their support. Without them, ISBR symposiums would not be possible.

Diamond sponsor:

- CropLife International

Platinum Sponsors:

- Agricultural Biotechnology Stewardship Technical Committee (ABSTC)
- Agriculture and Food Systems Institute
- Donald Danforth Plant Science Center

Gold Sponsors:

- Bayer
- Syngenta

Sponsorship opportunities for ISBR2023 are still available! Increase your organization's profile and with key participants in the agricultural biotechnology sector by taking up one of our [sponsorship packages](#).

[For detailed information please click here](#)

ISBR2023 Photo Competition "Genetics for a healthier planet"

As part of the 16th ISBR Symposium, we will be running a photo competition so you can help us find images that reflect the beauty, scientific excellence and diversity of the work done in genetics to make our planet healthier. We, therefore, invite all ISBR members and Symposium attendees to submit photographs for the contest. A selection of the photographs will be printed and displayed at the Symposium and may be used on the website or in ISBR promotional materials. Prizes will be given to the three best photographs.

Win a 100 \$US, 60 \$US or 40 \$US Amazon voucher!

Images should be uploaded to the **2023 ISBR Photo Competition group on Flickr before 10 March 2023**.

[For detailed information please click here](#)

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