

THE CONFERENCE

The International Phytobiomes Conference 2022 will bring together a broad community of U.S. and international scientists from the public and private sector as well as agricultural stakeholders to collectively advance the emerging field of phytobiome science.

Plants grow in association and interaction with complex communities of organisms, environmental conditions, and management practices. The term “Phytobiomes” encompasses all of this complexity. It refers to a plant (“phyto”) in a distinct geographical unit (“biome”) – a field, grassland, greenhouse, garden, or forest. A phytobiome includes the plant itself, all micro- and macro-organisms living in, on, or around the plant – such as microbes, animals, insects and other plants – and the environment, including soil, air, water, weather, and climate.

Understanding entire systems of Phytobiomes will be critical to ensuring sustainable global food security in the next decades in the context of population growth, climate change, and the necessity to preserve biodiversity and natural resources.

Over three days, public and private sector agronomists, plant pathologists, geneticists, microbiologist, soil scientists, data scientists, biostatisticians, plant physiologists, nutrient management experts, weather/climate scientists – to name only some disciplines – will present their research, discuss, and share their expertise to advance knowledge on how phytobiome components interact and affect each other.

PRACTICAL INFORMATION

CONFERENCE WEBSITE

phytobiomesconference.org

IMPORTANT DATES

30 June 2022 – Abstracts for oral presentations, poster flash talks and early career awards

30 June 2022 – Early bird registration closes

15 August 2022 – Abstracts for posters

9 September 2022 – Registration closes

VENUE

The Cable Center
2000 Buchtel Boulevard
Denver, CO 80210, USA
<https://cablecenter.org/>

REGISTRATION FEES

Student

Early \$400
Regular \$450
Onsite \$500

Professional

Early \$500
Regular \$550
Onsite \$650

REGISTRATION

phytobiomesconference.org/registration

CONTACT

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13-15 SEPTEMBER 2022

Denver, CO, USA

www.phytobiomesconference.org

PROGRAM

The program will feature current, cutting-edge, and innovative research approaches related to the understanding of phytobiomes.

The program will include plenary lectures, scientific sessions, poster “flash talks” presentations, poster sessions and focused discussions.

SESSIONS

Session 1: Phytobiomes and Farm Sustainability

Session 2: Exploring Interactions Within Phytobiomes

Session 3: Soils and Rhizosphere

Session 4: Phytobiomes Engineering

Session 5: Imaging and Modeling of the Phytobiomes

Session 6: Regulatory Challenges & Barriers to Solutions

Session 7: Applying Phytobiome-based Solutions

CONFERENCE JOURNAL



SPEAKERS

SPECIAL GUEST

Kendall Rae Johnson, Georgia's youngest certified farmer – aGROWKulture Urban Farm, US

PLENARY SPEAKERS

- **Kellye Eversole**, Phytobiomes Alliance, US
- **Kirsten Hofmockel**, Pacific Northwest National Laboratory, US
- **James Hurrell**, Colorado State University, US
- **Rachel Vannette**, University of California, Davis, US
- **Vittorio Venturi**, International Centre for Genetic Engineering & Biotechnology, Italy
- **Alyssa Whitcraft**, NASA Harvest & University of Maryland, US

INVITED SPEAKERS

- **Vanessa Bailey**, Pacific Northwest National Laboratory, US
- **Richard Broglie**, Pivot Bio, US
- **David Glass**, D. Glass Associates, US
- **Prasanna Kankanala**, Trace Genomics, US
- **Keith Matthews**, Wiley Rein LLP, US
- **Jennifer Pett-Ridge**, Lawrence Livermore National Laboratory, US

ORGANIZERS & COMMITTEES

ORGANIZERS

- International Alliance for Phytobiomes Research
- Colorado State University, US

SCIENTIFIC COMMITTEE

- **Matthieu Barret**, INRAE, FR
- **Gwyn Beattie**, Iowa State University, US
- **Natalie Breakfield**, NewLeaf Symbiotics, US
- **Trevor Charles**, Waterloo Centre for Microbial Research, CA
- **Kellye Eversole**, Eversole Associates, US
- **Gary Felton**, Penn State University, US
- **Magalie Guilhabert**, Bayer Crop Science, US
- **Andrew Jones**, Colorado State University, US
- **Jan Leach**, Colorado State University, US
- **Ann Lichens-Park**, US
- **Emmanuelle Maguin**, INRAE, FR
- **Matthew Ryan**, CAB, UK
- **Angela Sessitch**, AIT Austrian Institute of Technology, AT
- **Brajesh Singh**, Western Sydney University, AU
- **Tammy Zimmer**, Joyn Bio, US

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