Thursday, May 31

3:30 PM Meet in lobby of Blackwell to be escorted to Ohio Union (10 min walk)

❖ 4:00 – 6:00 PM Poster session (Cartoon Rooms 1&2 Ohio Union)

6 PM – 8:30 PM: Dinner, Welcome, Talks (Cartoon Rooms 1&2 Ohio Union)

❖ 6:30 PM: Welcome; Bob Tabita/Erich Grotewold, followed by OSU officials
  • Bobby Moser, Vice President & Dean College of Food, Agricultural and Environmental Sciences
  • Joseph Steinmetz, Vice Provost & Executive Dean College of Arts and Sciences
  • Peter March, Divisional Dean, Natural and Mathematical Sciences, College of Arts and Sciences
  • Patrick Osmer, Vice Provost & Dean of the Graduate School

❖ 7:00 – 7:40 PM: The state and challenges of alternative energy research in the USA (especially at OSU) and Brazil (especially at USP and CTBE)
  • Ron Sega, Vice President and Enterprise Executive for Energy and Environment, OSU
  • Marcos Buckeridge, Professor, USP and Director, Brazilian Bioethanol and Technology Laboratory (CTBE)
  10 min discussion period

❖ 7:50 – 8:30 PM: Role of granting agencies for collaborative international research
  • Machi Dilworth, Director, Office of International Science and Engineering, National Science Foundation
  • Marcio de Castro Silva Filho, Director, international programs at CAPES
  10 min discussion period

❖ 8:40 PM: Reception

Friday, June 1

❖ 7:00 – 8:00 AM: Breakfast (Blackwell 1st Floor Pfahl Hall)

❖ 8:00 – 3:00 PM: Programmatic Sub-agendas attached.
4:00 – 6:00 PM: Social and interaction time (Blackwell 1st Floor Pfahl Hall)

6:00 – 7:00 PM: Dinner (Blackwell, 2nd and 3rd floor foyer space)

7:00 PM to 8:00 PM: Sao Paulo state granting agency and USP programs. (Blackwell, 140 Pfahl Hall). Eric Lam, Chairperson.
  • Marie-Anne Van Sluys (USP/FAPESP): FAPESP: Sao Paulo contribution to science
  • Francisco de Assis Alves Mourao Filho: Graduate programs at ESALQ
  • Gustavo Amarante-Mendes (USP/ICB): Biomedical research at the ICB-USP

8:00 – 8:10 PM: Short Break

8:10 – 9:10 PM: Scientific talks. Eric Lam, Chairperson.
  • Ana Alonso (OSU): Isotope-based flux analysis in developing seeds unravels targets for metabolic engineering
  • Carlos Hotta (USP/Inst. Chemistry): The pervasive circadian clock of sugarcane
  • Katrina Cornish (OSU-Wooster): Biotechnology and coordinated development of sustainable industrial crops

9:10 PM – 12:00 AM: Socializing (Blackwell, 1st Floor Pfahl Hall)

Saturday, June 2

7:00 AM to 8:00 AM Breakfast (Blackwell, 1st Floor Pfahl Hall)

8:00 AM – 9:00 AM Scientific talks (Blackwell, 140 Pfahl Hall). Thomas Mitchell, Chairperson.
  • Victor Alexandre Vitorello (USP/CENA): Responses of plants to abiotic stresses: cases involving aluminum toxicity, oxidative metabolism and proline synthesis
  • Eric Lam (Rutgers): Creating a pipeline of biofuel from waste water via aquatic agronomy
  • Marcio de Castro Silva Filho (USP/ESALQ): Rethinking the central dogma of molecular biology: dual targeting and beyond

9:00 AM – 10:00 AM Scientific talks (Blackwell, 140 Pfahl Hall). Helaine Carrer, Chairperson.
• Marli de Fatima Fiore (USP/CENA): Research interests of the Laboratory of Molecular Ecology of Cyanobacteria
• Pio Colepicolo (USP): Response of algae to pollutant metals
• Antonio Figueria (USP/CENA): Sugarcane (Saccharum spp.) tolerance to abiotic stress: drought, herbicides, and N deprivation

❖ 10:00 AM – 10:30 AM Coffee Break (Blackwell, 1st Floor Pfahl Hall)

  • Thomas Mitchell (OSU): Using whole genome approaches to understand host-pathogen interactions
  • Andrea Doseff (OSU): Target identification and development of biosensors
  • Marcio Lambais (USP/ESALQ): Microbial diversity in the phyllosphere and soils of the Atlantic forest
  • Gerben Zylstra (Rutgers): Diversity of oil degrading microorganisms and genes revealed by gene-targeted metagenomics

❖ 12:00 PM – 1:30 PM Lunch (Blackwell, 3rd Floor Pfahl Hall, weather permitting outside)

❖ 1:30 PM – 2:50 PM Scientific talks (Blackwell, 140 Pfahl Hall). Pio Colepicolo, Chairperson.
  • Michael Lawton (Rutgers): Stress response genomics in Physcomiterella patens
  • Brian McSpadden-Gardener (OSU-Wooster): Discovery and development of biopesticides and biofertilizers
  • Sriram Satagopan (OSU): Bioselection in a Rhodobacter capsulatus RubisCO-deletion strain identifies regions in RubisCO that may be important for autotrophic growth in the presence of molecular oxygen
  • Pal Maliga (Rutgers): Progress in switching from tissue culture to whole plants for engineering the plastid genome of higher plants.

❖ 2:50 – 3:00 short break

❖ 3:00 – 4:00 PM Scientific talks (Blackwell, 140 Pfahl Hall). Brian McSpadden-Gardener, Chairperson.
  • Tom Santangelo (OSU): Biohydrogen and biobutanol production in hyperthermophilic archaea
  • Thaddeus Ezeeji (OSU-Wooster): Towards understanding of aldehyde mediated inhibition of butanol production by Clostridium species and mitigation of butanol toxicity during fermentation
• S.-T. Yang (OSU) Engineering clostridia for biofuels production from renewable bioresources

❖ 4:00 PM – 4:20 PM Coffee Break (Blackwell, 1st Floor Pfahl Hall)

❖ 4:20 PM – 6:00 PM Scientific talks (Blackwell, 140 Pfahl Hall). Michael Lawton, Chairperson.
  • Marcos Buckeridge (USP/CTBE): Understanding carbon metabolism and cell walls of sugarcane to improve bioethanol production
  • Glaucia M. Souza (USP/FAPESP): Regulatory and signaling pathways associated to sucrose content and drought responses in sugarcane
  • Kengo Morohashi (OSU): A genome-wide regulatory framework identifies maize pericarp color1 (P1) controlled genes
  • Helaine Carrer (USP/ESALQ): Bioengineering sugarcane to improve bioenergy
  • Marie-Anne Van Sluys (USP/FAPESP): Sugarcane genome: knowledge gained by BAC sequencing strategy

❖ 7:00 PM – 8:30 PM Dinner/Banquet: Closing talks/summary of Tripartite relationship by Rod Sharp and Raul Machado Neto (Ohio Union, Traditions Room, 2nd Floor)

❖ 8:30 PM - Reception  (Ohio Union, Traditions Room, 2nd Floor)

Sunday, June 3

❖ Departure