

SATURDAY ORAL PRESENTATIONS BY SECTION

133rd IAS Annual Meeting, April 21-22, 2023, University of Northern Iowa, Cedar Falls, Iowa

Cellular, Molecular & Microbiology

Section McCollum Science Hall, Room 101

- 8:30—8:50 14. The Effect of Creatine Monohydrate on Myosin Heavy Chain - Prenatal (MyHC-pn) and Adult Myosin Heavy Chain-IIa (MyHC-IIa) expression in Mus Musculus
- 8:50—9:10 15. Genetic, Biochemical, and Biophysical Investigation into the Role of TGF- β Signaling in Pathology of Emery Dreifuss Muscular Dystrophy
- 9:10 –9:30 16. Using a Genetic Screen to Discover Gene Functions in Mycobacteriophages Sbash and Island3

Break

General Session III 10:05—11:00 Santos and Sophia the Virtual Soldiers, West Towers Lounge

Lunch 11:00—12:30

- 12:45—1:05 17. Discovery and Annotation of Six Iowa Actinobacteriophages
- 1:05-1:25 18. Understanding the Antiproliferative Activity of Plant Extracts
- 1:25 Conclude Meeting

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Ecology & Conservation

McCollum Science Hall, Room 201

- 8:30—8:50 25. Using DNA Barcoding to Study the Bee Diversity of Big Rock Park
- 8:50—9:10 26. Assessing Gravimetric Soil Moisture Content of the Nepl Fen Restoration
- 9:10 –9:30 27. Updating the Iowa list of endangered, threatened and special concern plant species
- 9:30-9:50 28. Botanical Study of Iowa in the 21st Century: Making the cast for the “County Inventory”

BREAK

General Session III 10:05—11:00 Santos and Sophia the Virtual Soldiers

Lunch 11:00—12:30 Rialto Dining Center, Towers Center

Pay with your pre-paid meal card or Credit/Debit card

- 12:45—1:05 29. Engaging a Citizen Scientist in Floristic Research: Jimmie D. Thompson (1939-2021)
- 1:05-1:25 30. Landscape ecology and floristics on the Armstrong site in Harrison County, Iowa
- 1:25-1:45 31. Conservation for the 21st Century: Sensitive Areas Inventory, Story County, IA
- 1:45 Conclude Meeting

SATURDAY ORAL PRESENTATIONS - ASSORTED SECTIONS

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Assorted Sections

McCollum Science Hall, Room 103

Anthropology

8:30—8:50 52. A Total Eclipse of the Sun as Seen by Americans Native to the Great Plains 8:50—9:10

Chemistry

9:50-9:10 53. Hunting Zebra Calcite

Organismal Biology

9:10 –9:30 54. The effect of atrazine on the learning ability in mice

Physiology & Health Sciences

9:30—9:50 55. Salivary cortisol and DHEA sulfate levels as markers of stress and resilience

Break

General Session III 10:05—11:00 Santos and Sophia the Virtual Soldiers

Lunch 11:00—12:30 Rialto Dining Center, Towers Center

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1:25 Conclude Meeting