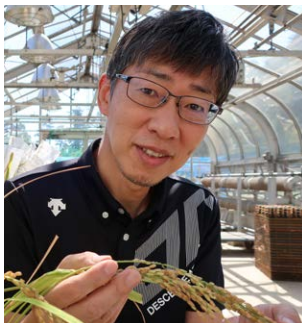




ARSENIC: FROM ENVIRONMENT TO MEDICINE

Join us for this free virtual symposium sponsored by the Department of Cellular Biology and Pharmacology at the FIU Herbert Wertheim College of Medicine in collaboration with the Japan Society for the Promotion of Science



Keynote speaker
Satoru Ishikawa

Institute for Agro-Environmental Sciences, NARO, Tsukuba, Japan
"Discovery of arsinothricin, a novel arsenic-containing antibiotic"

Tuesday, November 9, 2021 | 8:00 am to 5:00 pm EST

Register today at: go.fiu.edu/arsenic

JSPS symposium “Arsenic: from the environment to medicine”

Tuesday, November 09, 2021

TIME	TITLE	SPEAKERS
8:00 - 8:15 am	Introduction	Barry P. Rosen, Department of Cellular Biology and Pharmacology, Florida International University, Herbert Wertheim College of Medicine
8:15 - 9:00 am	Strategies for reducing the arsenic level in rice toward food safety and human health	Satoru Ishikawa, Institute for Agro-Environmental Sciences, NARO, Tsukuba, Japan
9:00 - 9:45 am	Arsenic biotransformations in the rice rhizosphere and the discovery of arsinothricin, a novel organoarsenical antibiotic	Masato Kuramata, Institute for Agro-Environmental Sciences, NARO, Tsukuba, Japan
9:45 - 10:30 am	Synthesis and degradation of organoarsenical antibiotics	Masafumi Yoshinaga, Department of Cellular Biology and Pharmacology, FIU Herbert Wertheim College of Medicine
10:30 - 10:45 am	Break	
10:45 - 11:30 am	JSPS Information Session (30 min) with Q&A (15 min)	
11:30 - 12:15 pm	Chemical synthesis of arsinothricin	Stanislaw F. Wnuk, Department of Environmental Health Sciences, FIU Robert Stempel College of Public Health & Social Work
12:15 – 1:45 pm	Lunch break	
1:45 - 2:30 pm	Organoarsenicals in cancer chemotherapy	Yong Cai, Department of Chemistry and Biochemistry, FIU College of Arts, Sciences & Education
2:30 – 3:15 pm	A potential novel arsenic-containing anti-cancer drug for triple-negative breast cancer (TNBC)	Venkadesh S. Nadar, Department of Cellular Biology and Pharmacology, FIU Herbert Wertheim College of Medicine
3:15 - 4:00 pm	Q&A and Closing	Barry P. Rosen