

JSPS symposium “Arsenic: from the environment to medicine”

**Tuesday, November 09, 2021
8 am to 3:30 pm U.S. Eastern Standard Time**

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 - 10:10 am	JSPS Information Session (15 min) with Q&A (10 min)	
10:10 - 10:45 am	Break	
10:45 - 11:30 am	Synthesis and degradation of organoarsenical antibiotics	Masafumi Yoshinaga, Department of Cellular Biology and Pharmacology, FIU Herbert Wertheim College of Medicine
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 - 1:15 pm	Lunch break	
1:15 - 2:00 pm	Organoarsenicals in cancer chemotherapy	Yong Cai, Department of Chemistry and Biochemistry, FIU College of Arts, Sciences & Education
2:00 - 2:45 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
2:45 - 3:30 pm	Q&A, Discussion and Closing	Barry P. Rosen