

Molecular Biosciences Interest Group (MBIG) seminar series Fall 2018

The Molecular Biosciences Interest Group (MBIG) seminar series will take place on Fridays at 1:00pm in the Clendenin building, room 1008 (CL 1008) on the Kennesaw Campus. All faculty, staff, students and Alumni are invited to attend.

Friday, August 24, 2018

Scott Nowak, Associate Professor of Biology in the Department of Molecular and Cellular Biology at Kennesaw State University

"Akirin: a novel link between Twist transcription factor activity and Brahma chromatin remodeling complexes during embryogenesis"

Friday, August 31, 2018

Kyle Gabriel, Postdoctoral Fellow in the Office of Research at Kennesaw State University

"Feedback Loops for Automated Control of Biological Systems"

Friday, September 7, 2018

Jun Yin, Associate Professor of Chemistry at Georgia State University

"Identifying the Substrates of E3 Ubiquitin Ligases by Orthogonal Ubiquitin Transfer"

Friday, September 14, 2018

Melissa Kemp, Associate Professor at Georgia Institute of Technology

"Systems biology of redox metabolism in head and neck cancer"

Friday, September 21, 2018

Alberto Stolfi, Assistant Professor at Georgia Institute of Technology

"Evolutionary loss of developmental processes: Nature's massively parallel genetic screens"

Friday, September 28, 2018

Ronan Carroll, Assistant Professor at Ohio University

"Regulating with RNA in Staphylococcus aureus"

Friday, October 5, 2018

Anton Bryantsev, Assistant Professor of Biology in the Department of Molecular and Cellular Biology at Kennesaw State University

"The heterogeneity of skeletal muscle in health and disease"

Friday, October 12, 2018

Kuki Chin, Georgia State University

"Unearthing mechanisms of microbiome that clean up contaminants and produce energy"

ABSTRACT: Microbes are contributing to biogeochemical cycling of nutrients using their unique metabolic capabilities, which transform and degrade the organic and inorganic matters. Bioremediation is the use of native microbes to consume or immobilize environmental pollutants, and has great significance because of its potential to restore contaminated environments naturally, inexpensively and effectively. My research group is exploring microbial diversity and microbial mechanisms of degradation of organic compounds and contaminants including crude oil, coal and radionuclides in diverse habitats. Especially we are focusing on bioremediation in anaerobic environment. Major contaminated environments are under anoxic condition and anaerobic biodegradation mechanisms are little understood. My talk will highlight results from studies investigating the microbiome involved in bioremediation of organic contaminants and radionuclide, and also microbial methane production in coal bed, which accounts significant percentage of natural gas production worldwide.

Friday, October 19, 2018

James Lauderdale, Associate Professor at University of Georgia

"The eyes have it: focus on the fovea"

Friday, October 26, 2018

Annalise Paaby, Assistant Professor at Georgia Institute of Technology

"Molecular mechanisms of complex trait architecture"

Friday, November 2, 2018

Christoph Fahrni, Professor and Associate Chair for Graduate and Postdoctoral Programs at Georgia Institute of Technology

"Illuminating Biological Trace Metals with High- and Low-Energy Photons"

Friday, November 9, 2018

Sreekanth Chalasani, Associate Professor in the Molecular Neurobiology Laboratory at Salk Research Institute

"Using C. elegans to study fear and develop new technologies"

Friday, November 16, 2018

Richard Cripps, San Diego State University

"Using Drosophila to uncover mechanisms of human muscle disease"