

Shaughnessy to give keynote at upcoming Metabolomics Symposium

By Eddy Ball

NIEHS Health Scientist Administrator [Daniel Shaughnessy, Ph.D.](#), is one of two principal speakers at the Aug. 22 Metabolomics Symposium at RTI International. The event will run 9:00 a.m.-4:30 p.m., in the Dreyfus Auditorium, 3040 East Cornwallis Road, Research Triangle Park, N.C.

The event is cosponsored by the NIH Eastern Regional Comprehensive Metabolomics Core (RCMC) at RTI and the Waters Corporation, which will provide a complimentary lunch for attendees. Registration is free, but seating is limited.

A registration site will be available later in July. Contact [Susan McRitchie](#) or [Sue Clark](#) for more information.

Morning session

Shaughnessy and Robert Plumb, Ph.D., director of metabolomic profiling at Waters Corporation and visiting professor of analytical chemistry at Imperial College, London, will present keynote talks. Shaughnessy will speak on "Metabolomics Studies and Environmental Health: Programs at NIEHS." Plumb will address "Precision Medicine and Metabolic Phenotyping."

Shaughnessy is part of the Exposure, Response, and Technology Branch in the NIEHS Division of Extramural Research and Training, where he manages grants related to DNA repair and mutagenesis. He oversees funding for the development and validation of biomarkers of response to environmental stress, a program initiated in the Genes, Environment, and Health Initiative Exposure Biology Program. He is also the program contact for the Small Business Innovation Research and Small Business Technology Transfer programs at NIEHS.

Plumb is considered an expert in the application of liquid chromatography-mass spectrometry and nuclear magnetic resonance to drug metabolism studies, metabolomics, and metabolite identification. He has published more than 100 papers on the application of these technologies to metabolism and metabolomics studies.

Afternoon session

The symposium will also feature presentations by collaborators with the RCMC:

- Melinda Beck, Ph.D., University of North Carolina at Chapel Hill (Influenza)
- Steven Belinsky, Ph.D., Lovelace Respiratory Research Institute (Lung Cancer)
- Laura Cox, Ph.D., New York University Langone Medical Center (Antibiotic Exposure)
- Lee Graves, Ph.D., University of North Carolina at Chapel Hill (Leukemia)
- Snezana Petrovic, M.D., Ph.D., Wake Forest School of Medicine (Kidney Disease)
- Delisha Stewart, Ph.D., RTI International (Breast Cancer)



Prior to joining DERT, Shaughnessy conducted research on the risk and protective effects of dietary factors on DNA damage in humans as part of the NIEHS Laboratory of Molecular Genetics. (Photo courtesy of Steve McCaw)

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