

4th International Conference and Exhibition on

Metabolomics & Systems Biology

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Metabolomics research using bioelectrochemical systems (BESs)

The metabolic profile of most species can be influenced by externally applied physicochemical factors. Electrical potentials have fairly recently been found to powerfully effect metabolite production profiles in diverse species. This workshop will explore the utility of a rapidly evolving class of bioreactor termed “Bioelectrochemical Systems” (BESs) as a research platform for conducting basic and applied metabolomic studies.

Biography

John M Pisciotta received his PhD from Johns Hopkins University for research on heme and lipid metabolism in malaria. Postdoctoral stints at the University of Maryland Center for Marine Biotechnology and then Pennsylvania State University College of Engineering focused on the development of novel bioelectrochemical systems (BESs) for production of bioenergetic products from waste. He is currently an Assistant Professor in the Department of Biology at West Chester University in Pennsylvania where he teaches courses on Industrial Microbiology and Microbial Physiology.

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