

The Friends of the Health Sciences Library Present

The Genomics Revolution and Personalized Medicine



Daniel A. Brazeau, PhD

Friday, November 20, 2009 6 – 9 PM

**Austin Flint Main Reading Room
Health Sciences Library, South Campus
University at Buffalo**

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The Genomics Revolution and Personalized Medicine

“Genomics” has revolutionized the biological and biomedical sciences, perhaps the pharmaceutical sciences most of all. While much public press has concentrated on pharmacogenetics and “personalized medicine” this is the one area in the pharmaceutical sciences where advances may be the least certain. Pharmacogenetics seeks to provide patients efficacious therapeutic agents with minimal adverse drug reactions based upon their genotype. However, the complexity of the human genome and the extensive genetic diversity among human populations often results in confusing relationships between patient drug response and genotype. Pharmacogenetics will contribute greatly to improved therapeutics but it requires a more realistic understanding of the role environmental factors, multiple genes with multiple variants, and human population genetic structure play in predicting individual drug efficacy and toxicity.

Dr. Daniel Brazeau is a Research Assistant Professor in the Department of Pharmaceutical Sciences at UB. He received a BS degree in Biological Sciences (1979), a MS in Biology at the Univ. of Toledo (1983) and a PhD in Biology from the State University of New York at Buffalo in 1989. His research interests include population genetics of natural populations, DNA forensics, and the evolution of reproductive strategies in marine invertebrates. He is director of the Pharmaceutical Genetics Laboratory. The lab provides extensive training and



Daniel Brazeau, PhD

support for a wide array of molecular genetic techniques to assist researchers in addressing a broad range of questions including gene expression, bioinformatics and genotyping.

For questions/information please contact Linda Lohr
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Date: Friday, November 20, 2009, 6 - 9 PM

Location:

Austin Flint Main Reading Room
Health Sciences Library, South Campus
University at Buffalo

Buffet Dinner and Beverages: 6 - 7 PM

Presentation: 7 - 8 PM

Coffee and Dessert: (Questions and Answers) 8 - 9 PM

RSVP: November 18, 2009

Cost: Member \$15.00 per person
Non-member \$20.00 per person
Students \$ 9.00 per person
Program only \$ 5.00 per person

Please complete the reservation form below and mail with payment to:

Linda Lohr
Health Sciences Library
University at Buffalo
B5 Abbott Hall
Buffalo, NY 14214

Note: Payment must be received by November 18, 2009

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Reservations for Friends	@ \$15.00 each	Total enclosed: \$ _____
Reservations for Non-Members	@ \$20.00 each	Total enclosed: \$ _____
Reservations for Students	@ \$ 9.00 each	Total enclosed: \$ _____
Reservations for Program Only	@ \$ 5.00 each	Total enclosed: \$ _____

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