Gene-Environment Interactions in Cardiovascular Disease

The risk factors for common, complex diseases, such as cardiovascular or kidney disease, are both genetic and environmental. However, studies typically examine genetic and environmental risk factors separately or one of the two adjusted for the other. In particular genome-wide association studies identify genetic risk factors without much consideration for environmental risk factors. In this talk genome-wide association studies for cardiovascular diseases that incorporate interactions with environmental risk factors air pollution or psychosocial stress will be presented and the implications for evaluating the functional significance of the identified variants will be discussed.

Speaker: **Prof Elizabeth R. Hauser**  
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Host: **Asst Prof Bibhas Chakraborty**  
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Date: Wednesday, 13 April 2016  
Time: 12:00 PM - 1:00 PM  
(Light refreshments will be served at 11:30 AM)

Venue: Duke-NUS Medical School Amphitheatre, Level 2

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Dr. Hauser received a PhD in Biostatistics with a concentration in Statistical Genetics from the University of Michigan with additional training in Epidemiology and Genetic Epidemiology. She has worked on a variety of gene discovery projects in cardiovascular and kidney disease as well as on methods development for family studies and genetic analysis of complex diseases.