



BIOINFORMATICS 2015 SPRING SEMINAR SERIES

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Department of Electrical and Computer Engineering &
Center for Bioinformatics and Computational Biology
<http://bioinformatics.udel.edu/seminars>

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9:30am
Memorial Hall 122

**Genome-wide pathway analysis to decipher the shared
genetic basis of neuropsychiatric disorders**

Phil Hyoun Lee, M.S., Ph.D.

Psychiatric & Neurodevelopmental Genetics Unit

Analytic & Translational Genetics Unit

Center for Human Genetic Research, Massachusetts General Hospital

Department of Psychiatry, Harvard Medical School

Stanley Center for Psychiatric Research,

Broad Institute of MIT and Harvard

ABSTRACT: The psychiatric genetics field has seen a landmark success in the identification of risk genes, made possible by international collaborative efforts through the Psychiatric Genomics Consortium (PGC). Furthermore, recent PGC studies have presented compelling evidence that genetic risk at individual genetic loci as well as biological mechanisms are shared across major psychiatric disorders. This seminar will review a whole-genome-based pathway analysis framework that can decipher the shared genetic basis of etiologically related disorders and illustrate our findings from the cohorts of over 60,000 participants from the Psychiatric Genomics Consortium.