

March 19: Maxwell Lee, Ph.D., Integrated Studies of Breast, Esophageal, and Gastric Cancers Using High-Throughput Technologies and Computational Analyses



SYNOPSIS:

Cancer is a complex group of diseases with many causes. Genetic changes and epigenetic alterations in somatic tissues, as well as germ line mutations or risk alleles, all contribute to cancer development and progression. Dr. Lee will present integrated studies of breast, esophageal, and gastric cancers through collaborative research with many investigators in CCR and DCEG. He will discuss a broad range of topics: from GWAS to whole genome sequencing studies; from genomics to functional studies; from genes to signature studies; from experiments to computational analyses; and from data to knowledge discovery. Dr. Lee will talk about how interweaving high-throughput data with bioinformatics analyses enables us to gain a better understanding of cancer biology and etiology.

[Session details...](#)

BIO:

Dr. Maxwell Lee is the head of the high-dimension data analysis group at NCI's Center for Cancer Research (CCR). Dr. Lee's group conducts collaborative research with many investigators at CCR and the Division of Cancer Epidemiology and Genetics (DCEG). The group focuses on bioinformatics analyses of high-throughput data. His research spans multiple domains, including cancer genomics and epigenomics, population genetics and epidemiology, allelic-specific gene expression and epigenetic modifications, and computational methods. Dr. Lee has published more than 60 peer-reviewed papers. He serves as an Associate Editor for BMC Cancer and is on the committees of TCGA DAC, iNCI DAC, CCRIFX RPC, and NCIP High-throughput Molecular Data Working Group.

Dr. Lee received his B.S. from the University of Science and Technology of China, Ph.D. in Biochemistry from Duke University, and completed postdoctoral training at the Johns Hopkins University School of Medicine. He joined the NCI as a tenure-track investigator in 2000.

SUMMARY:

Topic: Integrated Studies of Breast, Esophageal, and Gastric Cancers Using High-Throughput Technologies and Computational Analyses

Speaker: Maxwell Lee, Ph.D., NCI Center for Cancer Research

Date: Wednesday, March 19, 2014

Time: 11 AM – 12 PM EST

You are invited to listen to Dr. Lee's presentation in Room 2W908 in the NCI Shady Grove Building on Medical Center Drive or via WebEx.

Presentation: [Download the PPT presentation](#). A screen cast of this presentation is not available.

About the NCI CBIIT Speaker Series:

The National Cancer Institute (NCI) Center for Biomedical Informatics and Information Technology (CBIIT) Speaker Series is a bi-weekly knowledge-sharing forum featuring both internal and external speakers on topics of interest to the biomedical informatics and research communities. For additional information, including past speaker series presentations, visit the [CBIIT Speaker Series page](#).

Questions? Please email us at NCICBIITcomms@mail.nih.gov.

Individuals with disabilities who need reasonable accommodation to participate in this program should contact the Office of Space and Facilities Management (OSFM) at 240-276-5900 or the Federal TTY Relay number 1-800-877-8339.