

Dear Colleagues,

The K-State Integrated Genomics Facility is organizing the Gene Expression Analysis (RNA-seq) and the Real-Time PCR workshops this summer. Graduate students may take them for credit (tuition fee). If you do not need a credit, but would like to attend one or both workshops (no registration fee) please check space availability by email akhunova@ksu.edu. The registration is limited to 16 attendees, and is accepted on first-come, first-serve basis.



1. June 10th-14th, 2013. Gene Expression Analysis (RNA-seq), PLPTH 780 (course# 10578) or PLPTH 921-c (course # 11101): The workshop is comprised of lectures, laboratory exercises, as well as computer-based data analyses. The course will train participants in RNA-seq library preparation using Tru-Seq Illumina reagents, MiSeq (Illumina) data acquisition, RNA-seq data

processing and analysis. The Illumina Speaker this year will be Chris Streck, PhD. He is the Market Manager for RNA and Epigenetics at Illumina. The tentative titles for his talks are “Advances in Transcriptomics: Discovery through Validation with Illumina Sequencing” and “MiSeq Applications and Advancements”.

2. June 19th-20th, 2013. Real-Time PCR, PLPTH 785 (course # 10579): The workshop is a combination of lectures and hands-on experiments on the Real-Time PCR, primer/probe design, experimentation, and data analysis. Participants will perform SYBR Green I based gene expression analysis, TaqMan probe based diagnostic analysis and KASP assay based allelic discrimination analysis on provided samples using the Bio-Rad CFX 96 and The Cepheid Smart Cycler II Real-Time PCR systems. This will simulate the complete process of Real-Time PCR reactions and analysis of subsequent data. Real-Time PCR for Regulatory Plant Pathogen Diagnostics and TaqMan probe based diagnostic analysis will be taught by Dr. Craig Webb (USDA, APHIS, PPQ). Please come and learn about recent advances in qPCR from the team of experts, BioRad speakers!



For more information, please call (785) 532-1393, email akhunova@ksu.edu or visit our website: <http://www.ksre.ksu.edu/igenomics/p.aspx?tabid=27>

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