TEXAS A&M INSTITUTE FOR GENOMIC MEDICINE

MilliporeSigma

Advanced CRISPR/Cas9 Genome Editing Technology in Mammalian Systems

Wednesday, September 27th
12 – 1 pm
Texas A&M Institute for Genomic Medicine
Conference Room
670 Raymond Stotzer Pkwy
College Station, TX 77843

CRISPR/Cas9 is a genomic editing system that has revolutionized biomedical research with its elegant design and efficient method of RNA guided gene targeting. This seminar will examine the CRISPR/Cas9 system and some of its practical applications for genome engineering. It will include an overview of CRISPR technology, with an emphasis on design, efficiency, specificity and use in gene knockout and targeted integration. The benefits of using CRISPR technology to generate knockout, conditional knockout and knock-in transgenic animal models will be discussed, along with various methods to optimize this process. New CRISPR formats, including epigenetic activators, synthetic guide RNA, enhanced-specificity Cas9 protein, and pooled or arrayed lentiviral screening libraries also will be covered

Lunch and beverages will be provided

Please RSVP to Leeanne Watson, Account Manager

leeanne.watson@emdmillipore.com