Greater Sensitivity – with Less Sample
Drug Discovery and Multiplexing with MSD

MSD uses Electro-chemiluminescent detection and multiplex-enabled carbon electrodes to provide a platform with robust instrumentation, rapid results, unsurpassed sensitivity, and large dynamic ranges. MSD’s technology empowers you to accurately quantitate secreted biomarkers (e.g. cytokines/chemokines), in over 25 complex matrices such as serum or plasma. Additionally, intracellular signaling biomarkers can be measured in tissue and cell lysates. Learn how MSD’s V-PLEX® assays can provide consistency and reproducibility for longitudinal studies, while our U-PLEX® platform enables flexibility for the optimization and refinement of personalized multiplex assays that can accommodate antibodies, proteins, peptides, carbohydrates, nucleic acids and oligonucleotides.

Date: January 21st, 2020      Location: 1280 Conference Room, KCBD
Time: Noon - 1PM
Speaker: Shane M. Bemiller PhD – Field Applications Scientist

Seminar Agenda:
• Introduction to MSD’s Electro-Chemiluminescent technology (available in the University of Chicago Cytometry and Antibody Technology Core Facility)
• Applications in DRUG DISCOVERY and BIOMARKER research
  • Ultra-sensitive biomarker profiling and quantification
    • Alzheimer’s Disease, Parkinson’s Disease, Traumatic Brain Injury, etc.
  • Intracellular signaling
  • Toxicology
  • Measurement of novel risk proteins
• Assay development on the MSD platform
  • Singleplex and Multiplex
  • Auto-antibody measurements in single and multiplex
  • Also compatible with: Peptides, Cells, Membrane Preps, Aptamers, Lipids, Carbohydrates, Nucleic Acids, Oligonucleotides, Virus-like Particles

Lunch will be provided for seminar attendees

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