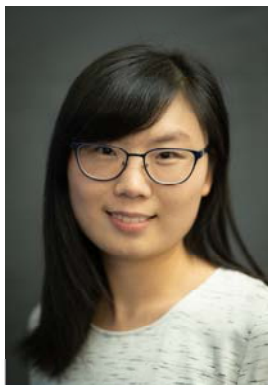


BIOCHEMISTRY SEMINAR SERIES



“Mass Spectrometry in Quantitative Proteomics and Biopharmaceutical Characterization”



Kate Liu, Ph.D.

Scientific Consultant

Genedata Inc, San Francisco

Kate, a recent alumnus from the Loo lab, will present her last PhD project at UCLA and her current work at Genedata supporting clients with mass spectrometry data analysis. Her PhD was centered on using the power of modern mass spectrometry to develop biomarkers and drugs for radiation countermeasure in radiological attacks. Few radiomitigators have been FDA-approved for hematopoietic acute radiation syndrome (H-ARS), presenting a pressing need for this area of research. UCLA Center for Medical Countermeasures against Radiation (CMCR) identified a group of compounds from in-vitro HTS that showed efficacy towards reducing mortality from radiation. The mechanism of action for lead compounds needs to be elucidated to further drug development. Growing capabilities of mass spectrometry and data analysis tools have enabled new ways to perform unbiased drug target identification. Kate will show her experiment strategy including the data mining process to tackle this drug target challenge. She will also present her growing interest in working with data that has led to her current position.

Friday, May 15, 2020

via Zoom

link will be provided on Friday before the seminar

3:30 pm