北京理工大学
Beijing Institute of Technology

"21世纪学科前沿" 系列学术报告

Application of Mass Spectrometry for Detecting and Finding Cures to Brain Disorders

报告人： Dr. Joseph A. Loo   (UCLA)

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报告人简介：

Dr. Joseph A. Loo is a Professor of University of California, Los Angeles. He received his Ph.D. in 1988 from Cornell University. In 1988-1990, he was a postdoctoral fellow at Pacific Northwest National Laboratory. He is on the editorial boards of several analytical chemistry journals, and he is an editor-in-chief for the Journal of the American Society for Mass Spectrometry.

His research interests are to develop and apply high performance mass spectrometry and proteomics to address important questions in biology and medicine. This includes developing advanced MS-based methods for characterizing the three-dimensional structures of biological assemblies and the application of MS-based tissue imaging for drug biodistribution studies and the discovery and application of protein surrogate biomarkers for traumatic brain injury (TBI) diagnosis and progression. He has published more than 180 papers in Nature, JACS, Analytical chemistry, Nature structural & molecular biology etc. top journals.

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