

*Thursday, December 3, 2015*

## *Flow Core Luncheon Seminar*

### *Computational and Bioanalytical Analyses: New Services Provided by the Flow Cytometry and Mass Spectrometry Core Facilities*

*Brian Capaldo, PhD*

Increasing access to high dimensional multi parameter cytometry experiments and high resolution mass spectrometry experiments requires increasing access to computational methods and analysis techniques. Many tools have been developed to accomplish these analyses, and can be performed on your data at the Flow Cytometry and Mass Spectrometry Core Facilities. Data generated by CyTOF and AP MS will be used to show the wealth of results that these new computational methods can generate and how to overcome the issue of big data analysis. Methods that will be demonstrated involve dimensional reduction, statistical analysis, predictive modeling, pathway enrichment analysis, and advanced visualization. ***Come learn how these services may benefit your research!!***

**Lunch 12:30pm**

**Seminar 1:00pm**

**Jordan Hall Rm 1-17**

