

# BD Single Cell Seminars

Sponsors: Andy Baltzegar, PhD, Genomics Sciences Laboratory  
Sarah Schuett, Manager, Flow Cytometry & Cell Sorting Core

**March 22, 2017**  
**3503 Stephen's Conference Room**  
**Thomas Hall**  
**10:00a.m. – 11:00a.m.**

**March 22, 2017**  
**RB101**  
**NCSU Vet School**  
**12:00p.m. – 1:00p.m.**

## Utilizing FACS to Resolve Gene Expression Data with Precision

John Harrington, Technical Applications Scientist, BD Genomics

Powerful molecular biology tools and methods are common. However, data produced by these tools and assays typically show the average signals from a bulk sample made up of many cells. In fields such as hematology, cancer biology, and cell biology, these methods may not yield the proper data, because the cells of interest may comprise only a small minority in a heterogeneous sample, hence their behavior is drowned out by that of the majority. Accurate characterization of these minority cells can only be performed by single cell analysis. In this presentation, I will explain BD's new technologies for single cell analysis, and how they may be combined with FACS to produce data that links phenotypic markers to genotypic expression.

**Please RSVP to:** Fran Moses, BD Single Cell Business Partner - [fran.moses@bd.com](mailto:fran.moses@bd.com)



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## **Utilizing FACS to Resolve Gene Expression Data with Precision**

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### Speaker Bio:

John Harrington is the Senior Technical Application Scientist at Becton Dickinson's new Genomics division. His passion lies in bridging the gaps between assay development, automation, and nanotechnology. Previously a member of the molecular diagnostics R&D team at Becton Dickinson Technologies, he is now assisting in the ongoing development of Becton Dickinson's CLiC automated library preparation system, the Precise mRNA sequencing assays, and the Resolve system for high throughput single-cell analysis.

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