

# Schedule: 2011 Northwest Regional Cytometry Meeting

Thursday, March 24

8am – 3pm, FloCyt course “Data analysis for flow”, OL 211

8:30am – 2:30pm 2011 NWRCM + FICCS7

8:30am – 8:45am, J. Paul Robinson and Ryan Brinkman, chair’s introductory remarks, Auditorium

8:50am – 9:20am, Obi Griffith, “-Omic predictors of drug response in breast cancer”, Auditorium

9:25am – 9:55am, Laura Heiser, “Pathway analysis of breast cancer subtypes: Implications for targeted therapies”, Auditorium

10:00am – 10:30am, Soren Impey, “High throughput sequencing of the transcriptome and epigenome from limiting amounts of cells”, Auditorium

10:35am – 11:05am, Bob Searles, “Considerations for real-time handling of terabyte-sized datasets”, Auditorium

11:05am – 11:20am, Coffee break

11:20am – 11:50am, Steve Jacques, “Label-free scatter-based imaging”, Auditorium

11:55am – 12:25pm, Leonore Herzenberg, “A history of FACS software”, Auditorium

11:55am – 12:25pm, Niloy Choudhury, “Oblique angle low coherence imaging and vibrometry for 3D sensing of vibration in the Organ of Corti”, OL 217

12:25pm – 1:00pm, Lunch break

12:30pm – 1:00pm, Dan Gareau, “Non-invasive morphometric digital pathology”, OL 217

12:30pm – 1:00pm, Nick Ostrout, “Panel standardization and the Optimized Multicolor Immunofluorescence Panel (OMIP)”, OL 221

1:00pm – 1:30pm, Nikesh Kotecha and Chad Rosenberg, “Opportunities in cloud computing for flow cytometry”, Auditorium

1:35pm – 2:05pm, Adam Triester, “The goodness of gates: Metrics and visualizations to compare event classification”, Auditorium

2:10pm – 2:40pm, Greg Finak, “Bayesian gating of flow cytometry data”, Auditorium

2:50 pm, 2011 NWRCM introduction, Auditorium

3:00pm – 3:40pm, Garry Nolan, “Systems immunology in the post-fluorescence era”, Auditorium

3:45pm – 4:25pm, Norman Dovichi, “Chemical and metabolic cytometry”, Auditorium

4:30pm – 5:10pm, Manfred Auer, “Imaging biological function across scales: From macromolecules to cells, tissues, and microbial communities”, Auditorium

5:15pm – 5:35pm, “BD PermKey: A compendium of results for guiding the design of multiplexed intracellular protein and surface marker staining for flow cytometry”, OL 217

5:15pm – 5:35pm, Shervin Javadi, “Performing multi-color analysis using Stratified S1000Ex analyzer with ‘Smart Detect’ technology”, OL 211

5:15pm – 5:35pm, Mark Munson, “An update on Gemstone: A guided journey through multi-dimensional space”, OL 221

5:40pm – 6:20pm, Masanobu Yamamoto, “50 years of laser technology: Innovating flow cytometry with Blu-ray technology”, Auditorium

6:25pm – 7:00pm, Gregory Kaduchak, “Acoustic focusing flow cytometry”, Auditorium

7:00pm – 8:00pm, reception dinner, with desserts 8:30pm – 9:30pm, Old Library fireside rooms

8:00pm – 8:30pm, Dan Dorsa, OHSU VP for Research, introduces Joe Gray, “Spatial systems biology – the central role of cytometry in the interpretation of the genome”, Auditorium

Friday, March 25

8:00am Introduction, Auditorium

8:05am – 8:45am, J. Paul Robinson, “Coordinated parallel systems approach to high content/high throughput flow cytometry drug screening”, Auditorium

8:50am -9:30am, Holden Maecker, “Standardization and validation of fluorescence and mass cytometry panels”, Auditorium

9:35am -10:15am, Chris Novak, “Astrios: A new frontier in cell sorting”, OL 217

9:35am – 9:55am, Lani Duenas, “A new dye from BioLegend”, OL 211

9:35am – 9:55am, Dave Novo, “What’s new in FCS Express 4?”, OL 221

9:55am – 10:15am, Kevin Phillips, “Quantitative phase imaging of circulating tumor cells”, OL 211

9:55am – 10:15am, Kevin Krouse, “Reagent database”, OL 221

10:15am – 10:45am, “Benchtop instruments from Life Technologies to complement your work-FLOW”, OL 217

# Schedule: 2011 Northwest Regional Cytometry Meeting

## Friday, March 25 continued

10:15am – 10:45am, Matt Alexander, “4 lasers, plate loader, and electronic volume: The new Eclipse is an affordable cytometer for DNA, fluorescent proteins, and immunophenotyping”, OL 211

10:15am – 10:45am, Bill Ortyrn, “Advances in applications for imaging cytometry”, OL 221

10:45am – 11:05am, Nikesh Kotecha, “Cytobank: A web-based approach for analysis and publication of flow cytometry experiments”, OL 217

10:45am – 11:05am, Kim Luu, “Validation of a 96-well high-throughput flow cytometer screening assay for simultaneously measuring 5 indicators of apoptosis”, OL 211

10:45am – 11:05am, Weon Bae, “BioSorter: Flow cytometry for large objects”, OL 221

11:10am – 11:50am, Maria Jaimés, “Quality assurance and variability in intracellular staining”, Auditorium

11:55am – 12:35pm, Ryan Brinkman, “Automated gating and analysis: State of the art and prospects”, Auditorium

12:40pm – 1:20pm, “Cytometry informatics in 2020” lunch-time panel discussion, OL 217

12:40pm – 1:00pm, Jeff Harvey, “JSAN cell sorter update and advances in platelet analysis with the Apogee A50 Analyzer”, OL 211

1:00pm – 1:20pm, Colin Fitzpatrick, “FlowCytomix – Multiple analyte detection on the flow cytometer”, OL 211

12:40pm – 1:00pm, Katye Fichter, “Quantum dot probes to measure the spatio-temporal dynamics of cell signaling”, OL 221

1:00pm – 1:20pm, Jared Jimenez [Cytek], “Taking your cytometry from the past into the future”, OL 221

1:25pm – 1:55pm, Ray Lefebvre, “Innovative approaches to analyzing and visualizing multivariate data using InCyte software”, OL 217

1:25pm – 1:55pm, Clare Rogers, “Simplifying fluorescence quantification by standardizing fluorescence detection”, OL 211

1:25pm – 1:55pm, Jay Almarode, “A look at new FlowJo metrics for analyzing the quality of human or algorithmic gating operations”, OL 221

2:00pm – 2:40pm, Ger van den Engh, “Parsing cytometric noise”, Auditorium

2:45pm – 3:25pm, Bob Zigon, “Architectures for real time processing and mining of flow cytometry data”, Auditorium

3:30pm – 4:10pm, Bill Ortyrn, “High parameter morphological classification replicates the sensitivity and specificity of immunofluorescence labeling in whole blood samples”, Auditorium

4:15pm – 4:50pm, Joe Trotter, “New Influx software: Fundamentally changing how software supports cell sorting”, OL 217

4:15pm – 4:50pm, Leonore Herzenberg, “Let the genie do it”, OL 211

4:15pm – 4:50pm, TBA, OL 221

4:55pm – 5:35pm, C. Bruce Bagwell, “Probability State Modeling for automated high-dimensional cytometry”, Auditorium

5:40pm – 6:20pm, Dave Novo, “Consolidated software for flow and image cytometry”, Auditorium

6:20pm *FRIDAY NIGHT FUN*

## Saturday, March 26

8am – TBA\*, C. Bruce Bagwell, “Analysis of high dimensional data in Gemstone”

8am – TBA\*, Dave Novo, “Interactive session on image cytometry analysis”

8am – TBA\*, Nikesh Kotesha, “Management and analysis of flow cytometry based signaling assays using Cytobank”

8am – TBA\*, Ray Lefebvre, “Innovative approaches to visualizing and analyzing multivariate data using InCyte software”

8am – TBA\*, Clare Rogers, “Standardized fluorescence detection”

8am – TBA\*, Bob Zigon, “Kaluza: Exploring new dimensions in flow cytometry analysis”

10am – 5pm, FloCyte course, “Standardization, validation, characterization, and controls”, OL 211

10am – 3pm, Adam Triester, “FlowJo for integrators”,

10am – 3pm, Julie Hill, “Cytometry workshop for middle and high school teachers”, OL 217

\* These practicums will be scheduled based on the information received from registrations. The practicums have a summary front-end for the benefit of those taking the 10am courses. Non-conflicting practicums may be scheduled for later in the morning.