

## IMMUNOLOGY 2009 EXHIBITOR WORKSHOPS

Saturday, May 9

### **IEDB.org (The Immune Epitope Database & Analysis Resource)**

Immune Epitope Database and Analysis Resource  
9420 Athena Circle \* La Jolla, CA 92037 \* Phone: 858-752-6548 \* Fax: 858-725-6990  
Web: <http://www.immuneepitope.org/>

10:30 AM – 11:30 AM, Room 611

*Presenter:* Björn Peters, Ph.D.

The Immune Epitope Database and Analysis Resource (IEDB) is a freely available online resource supported by the National Institutes of Health. The IEDB provides open access to published data related to antibody and T cell epitopes recognized in humans, non-human primates, rodents, and other animal species. It also hosts a variety of online tools that allow you to analyze curated data or data provided by you, and tools to predict epitopes. The IEDB has curated the majority of epitopes from infectious diseases and allergies, and is now adding epitopes relevant to autoimmune diseases. In this workshop, we will present highlights and examples of the latest major release, version 2.0. IEDB staff will tour the website by way of an introductory presentation meant to familiarize attendees with the site, the extent of coverage of the literature, and its improved interface. Following the presentation, attendees will then be invited to guide real-time demonstrations and/or ask general questions about building queries or how to use online tools to analyze datasets of personal interest. Several IEDB staff will also be on hand to answer questions and collect feedback for the current and future versions. If you already have ideas on what you'd like to see demonstrated at the workshop, please feel free to email [workshop@iedb.org](mailto:workshop@iedb.org).

### **Functional Studies of Rare Cells**

Amnis Corporation  
2505 3<sup>rd</sup> Avenue \* Suite 210 \* Seattle, WA 98121 \* Phone: 206-374-7165 \* Fax: 206-576-6895  
Web: <http://www.amnis.com/>

10:00 AM – 12:00 PM, Room 612

*Presenter:* Multiple Presenters

This workshop is intended for anyone with an interest in cell signaling, internalization studies, immune synapse analysis, high throughput FISH, and other applications of imaging flow cytometry. This high speed technique images hundreds of thousands of cells per experiment directly in fluid suspension, making it well suited to the visualization and analysis of even very rare immune cell subsets. The image quality is comparable to a high quality microscope and the fluorescence sensitivity is better than standard flow cytometry.

Scientists who use Amnis' technology will present their latest results and Amnis will present its latest technological developments. For detailed abstracts of the workshop presentations, please visit Amnis at booth 403.

### **A New Journey of Discovery - Introducing the Arrival of Beckman Coulter's New 10-Color Analyzer, Gallios™, with a Preview of the New Kaluza™ Analysis Software**

Beckman Coulter, Inc.  
200 S. Kraemer Boulevard  
Brea, CA 92822  
Phone: 714-961-4223  
Fax: 714-961-4504  
Web: <http://www.beckman.com>

1:00 PM – 2:00 PM, Room 612

*Presenter:* Matt Alexander

The Gallios delivers analytical excellence, coupling extraordinary sensitivity, resolution and dynamic range with high-speed data collection. A particular emphasis on optical and electronics design, combined with powerful automation and software tools, allows Gallios to greatly enhance the efficiency and analytical capabilities of flow cytometry laboratories. Developed

for the research and biopharmaceutical markets, with input from a number of investigators, the multi-color, multi-laser Gallios is the first in a series of key flow cytometry instrument, software and reagent releases that Beckman Coulter plans to announce this year. Preview the new Kaluza analysis software that revolutionizes flow analysis speed with patented technology and intelligent workspace design. Kaluza provides seamless integration for easy analysis of .fcs files from the FC 500 or Gallios, including protocol gates and regions with layout flexibility and multiparametric analysis.

### **Improve Your Immunology—Looking at a Better Way to Analyze Cytometry Data with FCS Express**

De Novo Software, Inc.

3250 Wilshire Boulevard, Suite 803 \* Los Angeles, CA 90010 \* Phone: 213-384-7000 \* Fax: 310-943-1489

Web: <http://www.denovosoftware.com/>

2:00 PM – 3:00 PM, Room 611

*Presenter:* David Novo

This workshop focuses on how the industry leading flow cytometry data analysis software, FCS Express, can be used to enhance and simplify your studies of the complex machinery of the immune system. FCS Express is a full feature software solution used by hundreds of research labs worldwide with a focus on studying cell interactions and function. FCS Express combines the ease of use of a modern user interface with all the data analysis and presentation capabilities you need.

FCS Express offers many powerful features such as: creating PowerPoint slides directly from your layout, post-acquisition compensation, parameter math, non-rectangular quadrants, custom statistic creation, unlimited undo, histogram subtraction, channel calibration, drag and drop interface and much more. We have several add-on features available including Proliferation, Multicycle, Logging/Audit trails, Security and importers for Diva experiments and Accuri instrument files. The workshop will give an overview of how you can FCS Express can generate complex analysis and reports in a fraction of the time it takes you now, to let you spend more time on science instead of analysis.

### **eFluor™ Technologies: Robust Reagents for Multi-Parameter Flow Cytometry**

eBioscience, Inc.

10255 Science Center Drive \* San Diego, CA 92121 \* Phone: 888-999-1371 \* Fax: 858-642-2046

Web: <http://www.ebioscience.com/>

3:00 PM – 4:00 PM, Room 612

*Presenter:* Tony Ward

As researchers develop more sophisticated model systems to address current questions in the life sciences, the evolution of relevant tools for this research must keep pace. Realizing the power of multi-parameter flow cytometry requires the availability of high performance fluorochromes paired with appropriate specificities to acquire consistent and reliable data. The new eFluor™ brand of fluorochromes from eBioscience includes two product lines, organic and nanocrystal-based fluorochromes, designed to provide the best performing reagents for multicolor flow cytometry. Maximizing use of the violet laser is paramount to designing robust multicolor flow cytometry panels. The presentation will focus on the physical properties of the eBioscience nanocrystal technology and the initial offering of eFluor™ products. Data will be presented to show practical tips and advantages regarding the use of eFluor™ Nanocrystals and Organic Dyes in multicolor staining applications.

### **Multi-color Flow Cytometry, NorthernLights™ Fluorescent Immunocytochemistry, and ExactaChIP Chromatin Immunoprecipitation Kits: New Tools for Characterization of TH17 Cells and Stem Cells**

R&D Systems, Inc.

614 McKinley Place NE \* Minneapolis, MN 55413 \* Phone: 612-379-6580 \* Fax: 612-379-6580

Web: <http://www.mdsystems.com/>

*Presenter:* Jody Bonnevier

4:00 PM – 5:00 PM, Room 611

Multi-color flow cytometry is the method of choice for identification of specific cell populations. R&D Systems has developed new multi-color kits for phenotyping of human TH17 cells and mouse hematopoietic progenitors. Multi-color fluorescent microscopy has also become an option with the development of NorthernLights™ directly conjugated primary antibodies for immunocytochemistry. Rapid identification of transcription factors and their target genes in many different cell types has also been made possible by the development of ExactaChIP chromatin immunoprecipitation kits. These tools provide new ways to identify cellular characteristics and assess molecular events.