$f_1 = 1 - \frac{\rho_p}{\beta_0}$ $f_2 = \frac{\lambda(\rho_p - \rho_p)}{(2\rho_p + \rho_p)}$



We set out to bring you superior performance from a flow cytometer.

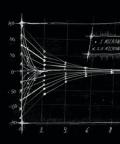
Attune ACOUSTIC FOCUSING CYTOMETER

COLLECTION LENS

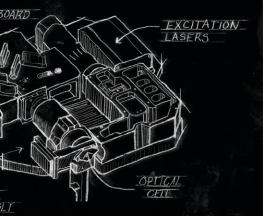
 $-\nabla\left\{\frac{4}{3}\pi a^{3}\left[\left|\beta_{6}\frac{\langle p^{2}\rangle}{2}f\right|\right]$







Jolene Bradford Associate Director Research & Development Flow Cytometry Systems



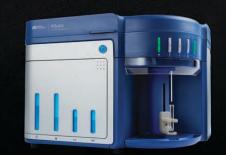
We succeeded.

The new Applied Biosystems® Attune™ Acoustic Focusing Cytometer is unlike traditional flow cytometers. It uses high-frequency sound waves to precisely focus cells before they pass through the point of interrogation.

Now get:

- · Amazing separation of signal peaks with more precise measurement
- Better rare-event detection, up to 20 million counts per run
- Rapid sample rates without sacrificing data quality

Find out how acoustics is revolutionizing cytometry. Visit us at **www.appliedbiosystems.com/attune**.



Introducing the New BD Influx Cell Sorter



Introducing the new BD Influx

Choice. Flexibility. Control. The BD Influx™ cell sorter offers boundless adaptability to application and environmental requirements without sacrificing speed or accuracy. Available with up to 7 lasers, up to 6-way sorting, and a range of detection configurations, the instrument offers a combination of powerful technology and precision controls for flow cytometry as exacting as your research demands.

Innovative thinking is evident throughout the design of the new BD Influx, with a modular component architecture and hands-on controls that make it ready to adapt to your unique requirements.



Helping all people live healthy lives

In addition, the new BD Influx software puts hundreds of parameters under your control with rich analysis capabilities to let you visualize experimental data in a meaningful way—from histograms to contour plots.

Find out how the innovation built in to the BD Influx can keep your lab in a perpetual state of the art at **bdbiosciences.com/influx**.

Innovation is built in. You can depend on it.

bdbiosciences.com/influx

Class I (1) Laser Product.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

BD, BD Logo and all other trademarks are property of Becton, Dickinson and Company. © 2010 BD 23-11743-00

BD Biosciences2350 Oume Drive

2350 Qume Drive San Jose, CA 95131 bdbiosciences.com

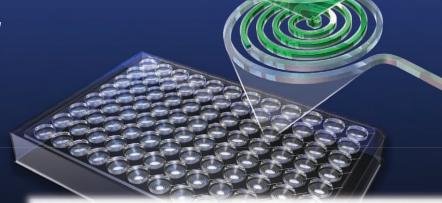


Introducing the Optimiser,™ a revolutionary breakthrough in microtiter plate technology from Siloam Biosciences, Inc. The Optimiser™ provides the versatility to extend the value of your samples, maximize the sensitivity of your assays and increase the throughput of your lab with decreased assay time.

Compare Optimiser™ to Traditional 96 Well Plates

Optimiser™ 96 Well Sample volume* $5 \mu l +$ 50-300 μl **Assay time** < 30 min 4-12 hrs Sensitivity** < 10 pg/ml ~150 pg/ml Wash cycle NO traditional wash 3x wash/step Assay reagent cost*** \$5.38/plate \$71/plate

- * Min vol is 5 μl; extra vol for high sensitivity mode
- ** For "off-the-shelf" IL-6 assay with 100 μl sample volume
- *** For sandwich assay with chemiluminescence detection





Siloam Biosciences, Inc. 417 Northland Blvd Cincinnati, OH 45240 USA PH 513.429.2976 Fax 513.429.2946



Grant Review for Immunologists Program

Get a GRIP: An AAI program designed to help new investigators prepare their NIH grant proposals

AAI is pleased to offer a program to match new PI's with established PI's who have significant, successful grant writing careers. The Grant Review for Immunologists Program (GRIP) invites new PI's to submit an outline or NIH-style abstract to the GRIP coordinator who, with the assistance of a small volunteer subcommittee, will attempt to match the topic of the proposal with the research experience of an established Pl. Matches will be made as quickly as possible to allow new PI's to meet upcoming NIH grant deadlines. Participation is strictly voluntary and is not intended to supplant internal mentoring programs.

GRIP is now accepting both new PI and established PI participants. Please send your CV and a brief description of either your potential research project (new PI's) or grant reviewing experience (established PI's) to infoaai@aai.org (please write "GRIP" in the subject line).







Chair of the Department of Immunology

The University of Connecticut Health Center's School of Medicine is seeking to recruit a highly qualified individual with an outstanding record of accomplishments in research, education and an excellent record of sustained NIH funding to become Chair of the Department of Immunology. We particularly encourage individuals with a current track record in human or translational immunology. The position is ideal for an energetic and visionary individual who is presently at the Associate or Full Professor level and shows evidence of the leadership skills required to ensure the health and growth of the department and to recognize the importance of interpersonal relationships and team building. The department is the academic home to faculty with nationally and internationally known research programs that focus on the cellular, molecular, and regulatory processes of the immune system. The scope of the department's research is from the most fundamental mechanisms to therapeutic applications. Departmental faculty are educational leaders in the graduate and preclinical medical and dental school curriculum.

The Chair will be responsible for oversight of all research, educational, and administrative activities involving the department. The Chair will work to enhance the funded research portfolio of the department emphasizing basic and translational research; develop and support the education of medical and graduate students and serve as a mentor for trainees at multiple levels; assure the professional development and mentoring of faculty engaged in research, education, and administration; play a major role in active governance at the institutional and departmental levels; be involved in faculty recruiting; and develop a comprehensive budget, which promotes departmental and institutional financial integrity.

The University of Connecticut Health Center is a vibrant organization composed of the School of Medicine, the School of Dental Medicine, the Graduate School of Biomedical Science, the John Dempsey Hospital, and the UCONN Medical Group. The Health Center's campus is situated on 162 acres of wooded hilltop in the beautiful, historic community of Farmington, Connecticut.

Candidates should apply by submitting a curriculum vita via email to the search committee chair, Dr. Paul Dworkin c/o Stephanie Holden, **immuchair@uchc.edu** or via the University of Connecticut Health Center Employment Services website, **https://jobs.uchc.edu**, search code 2011-065.

UCHC is an Equal Opportunity Employer M/F/V/PwD

ImmunoCasts

THE JOURNAL OF IMMUNOLOGY on your schedule!

ImmunoCasts highlight in audio format the very best articles published in THE **JOURNAL** OF **IMMUNOLOGY**.

Listen to the journal's IN THIS ISSUE section during your commute, workout, or while on travel!





Download the mp3 file directly from: www.jimmunol.org/rss/jipodcast.dtl
Also available free on iTunes.

