

## Research Flow Cytometry Core

# Quarterly Newsletter



Information Provided by your CCHMC RFCC

### Changes in Scheduling

#### Coming Soon—New Types of Scheduling Appointments

**Three Types of Sort Appointments**—Per your feedback, we are opening the BD FACSAria II (Arnie) for user-operated sorts! In addition to our traditional staff-operated sorting appointments, we are now offering training for clients to become “Novice” or “Autonomous” users. Novice and autonomous sort appointments have a reduced charge of \$55/hr, compared to staff-operated sorts at \$85/hr. Appointments will no longer require a “Set-Up Fee”; rather they will require an additional hour be added to each appointment to include cleaning, nozzle changes, and Accudrop; it will take approximately 30 minutes to change nozzle and perform Accudrop before your sort, and 30 minutes of cleaning after your sort.

**Autonomous/User-Operated Sorts**— Completely autonomous users only have to schedule the user-operated appointment, knowing they will set-up, monitor, clean, and potentially shutdown the instrument. These users also have the option of booking staff-operated appointments. Clients granted *Autonomous* rights have the ability to book both during normal operating hours as well as after hours, including weekends and holidays.

**Novice/User-Operated Sorts**— Clients granted *Novice* rights have sufficient training to monitor their sorts. The staff-operated appointment precedes the user-operated sort and consists of the staff changing the nozzle, running Accudrop, cleaning before the sort, and setting up the experiment.

Interested in training? Contact [Celine!](#)

**The Benefits**— By including cleaning in your time, we remove the hour required between sorts increasing available sort time, & our staff is more readily available to assist with any questions you may have!

**For more information**—or to ask questions, please JOIN US on 12/02/2021 for a “Town Hall” Zoom Call! Zoom information will be sent via RFCC Email List!

### New Instrument!

**EnVision 2104**— Dr. Lee Grimes & the Technology Forward Committee moved his EnVision 2104 to the RFCC to share with his fellow colleagues! The EnVision is a multilabel plate reader from PerkinElmer equipped with a UV Xenon flash tube with a spectral range of 230-1100nm and a 680nm diode laser. It also has a photodiode (230-950nm), a photomultiplier tube (230-850nm), and a very high sensitivity PMT (300-650nm). The EnVision can read 96-, 384- and 1536-well plates with temperature and shaking control (linear, orbital, and dual orbital).



It is also equipped with a dispenser for up to 384-well plates, for volumes ranging from 2 to 475ul (with a 1ul increment). Potential applications include: AlphaScreen® tech, Fluorescence Intensity (240-850nm), TRF technologies (240-850nm), Luminescence, and Absorbance! Contact [Alyssa](#) for free usage until July 2022!

### Positions Available!

#### Research Assistant level II, III, or IV or Senior Research Assistant Positions Available

**Sorter Operators Responsibilities**— the QA/QC of our sorters (Aria II, Aria Fusion, MoFlo XDP), troubleshooting, operations, interaction with users and service engineers, and developing SOPs as needed. In function of your interest, we will train you to assist on our multiparametric analyzers (Cantos, LSRFortessas, LSRII, Aurora, ImageStream) and our other user-friendly sorters (SH800, MA900, and BigFoot), as well as offer the opportunity to train users to operate specific instruments and consult with users for experimental design. There is also the opportunity to stay up-to-date in the field by attending courses and conferences.

Interested? Contact [Celine!](#)

### New BSL2+ Standards

#### BSL2 vs BSL2+ Safety Levels for Sorting

**Cell Sorting Approval Guidelines**— With our updated Standard Operating Procedures, and the approval of the Oversight Committee, our BSL2 & BSL2+ guidelines have been modified. See our [website](#) for a [non-exhaustive list](#) of BSL2 & BSL2+ samples.

### Dates to Note

- 11/25: Thanksgiving Holiday, No Staff on-site.
- 12/01: ORVCA Meeting @ 2PM ~ Featuring Sandra Andorf, PhD, Assistant Professor of Biomedical Informatics Research.
- 12/02: Town Hall @ 9AM to discuss billing and training changes on Stratocore.
- 12/24 & 27: Christmas Holiday, No Staff on-site.
- 12/31: New Years Eve Holiday, No Staff on-site.