AriaFusion B

The AriaFusion B has arrived in Smilow TRC and is located in 12-252. This cell sorter is available to all users of the flow core that are sorter biohazardous trained.

The AriaFusion B is an 11-color 4-laser system in a biosafety cabinet that offers high dimensional sorting in a contained environment. For all Aria Fusion B questions and access, please contact Bill Murphy.

BD Rhapsody
The BD Rhapsody is a powerful, high-throughput, microwell-based single-cell partitioning system, combined with visual workflow QC. The Rhapsody uses a single-cell analysis system that allows high-throughput capture of multiomic information from single cells using a simple cartridge workflow and a multitier barcoding system. The resulting captured information can be used to generate various types of next generation sequencing (NGS) libraries. NGS libraries are sequenced and analyzed to provide high-dimensional resolution of single cells.

The Rhapsody, with its very easy to use streamline workflow, has a high capture rate and low multiplet rate across cell inputs. The Rhapsody is located in 233 JMB. If you are interested in learning more about the BD Rhapsody, please reach out to us for more information or training.

🎶 It’s beginning to look a lot like Christmas with the Nexcelom Cellaca MX 🎶

The Cellaca is a new instrument in the Penn Cytomics lab that we are very excited about. For those not familiar with the Cellaca, it is a high throughput cell counter and viability instrument with dual fluorescence (acridine orange and propidium iodide). The above image is an example of the power the Cellaca possesses. This is an image of human PBMC with an extremely large number of RBCs. The Cellaca can easily differentiate RBCs (unlabeled cells) from live WBCs (green/AO) and dead WBCs (red/PI), thus giving you a more accurate cell count. Contact Jen Jakubowski at jennifer.jakubowski@pennmedicine.upenn.edu to learn more!

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**Upcoming University Holiday Break**

**University Holiday Break: Access and Staff Availability**

The University will be on Holiday break from December 24, 2022 to January 2, 2023. The Penn Cytomics Shared Resource Lab is a 24 hour a day facility and is fully opened to all trained users. Cytomics staff members will be in periodically over the break to check on instruments but will not be on site during regular business hours. We are asking that you email Bill or Derek with any issues or troubleshooting request that you may require over the holiday break.

A more detailed bulletin with contact information will be posted on all cytometers prior to the holiday break.
Policy Reminders

Logging in using other lab member’s ID

There seems to be an increase lately of users forgetting their IDs and logging into the cytometers using another lab member’s ID, then asking the staff to change it for them after the fact. This creates a lot of extra work on the staff’s part because we need to change this in the billing system. We know this can happen and it isn’t anyone’s fault, we just wanted to bring it up to help everyone remember to bring their IDs.

Here is a reminder of our policy as it pertains to this issue

**Users may not “share” scheduled time with fellow lab members, as this will result in a double charge within the SRL billing system** (User 1 is billed as a no-show, User 2 is billed for actual instrument usage). In this instance, User 1 should cancel their reserved time, and User 2 should reserve the instrument under their own credentials. If this is not practicable, the SRL usage and billing software allows users to leave a comment requesting staff to amend the usage session.

Upcoming Events

**CYTO 2023**

CYTO 2023 will be held from May 20-24, in Montreal, Quebec. The official program of speakers has not been announced yet, but you can be sure that the talks, session and panels will cover all topics in Flow Cytometry.

If you would like to submit a poster or are interested in attending this year’s CYTO, here is the link to their webpage. Poster abstracts are due by January 13, 2023.

https://www.cytoconference.org/abstracts.html
Congratulations

The Penn Cytomics lab would like to congratulate Jen Jakubowski for her latest promotion. Jen has been promoted to Project Manager. We are sure Jen will excel in her new position.

Thank You

The Penn Cytomics Lab would like to thank you for a very successful 2022. It has been a crazy year for us. Tom and Paul both retired, which we are still bouncing back from. We are grateful to have added Sam to our team. We also added many new instruments this past year, including an A3 Lite, an AriaFusion, a cell counter/viability instrument, and the gentleMACS tissue dissociator. We are appreciative of users filling out our surveys. Hopefully, we will keep that to a minimum in 2023.

This coming year looks to be even more eventful. I am sure we will add more instruments, more staff (hopefully), and the S8 Discover (eta early 2023). Thank you once again and see you in 2023!