

iLab Core Facility Quick Reference Guide

Flow Cytometry Core

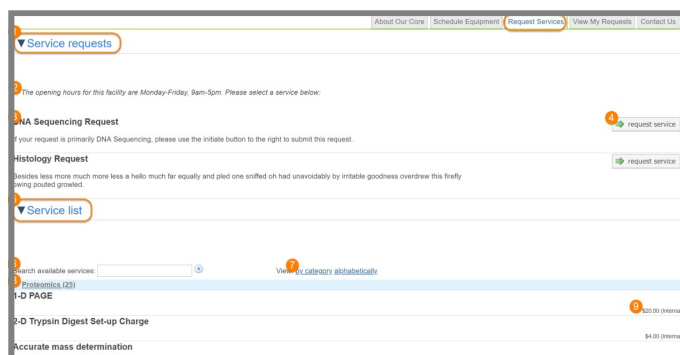
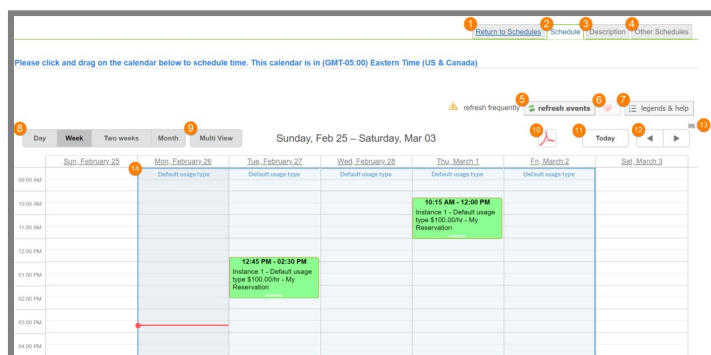
What is iLab?

iLab can be thought of as a storefront for the Research Core Facilities. iLab is generally used to either:

Schedule time on equipment

or

Request Services



How can I use iLab to do business with the Flow Cytometry Core?

The Flow Cytometry Core uses iLab to accept requests for service. **After you have registered for an account** please visit the core's iLab website as specified on the following pages to request service.

If you would like help registering for an account please visit the iLab Portal: <http://intranet.lerner.ccf.org/services/ilab/>

How do I use this Guide?

This guide is intended to be a quick reference for accessing the core facility, and provides basic instruction for scheduling equipment or obtaining service from the Flow Cytometry Core. For a more in depth look at how to navigate a core's site in iLab please see the *Using a Core* section of the iLab help site here: <http://tinyurl.com/useilabcore>

Getting Help

For help in accessing the Flow Cytometry Core via iLab please utilize the "Contact" section on the core's iLab website by clicking the link on the next page.

For general iLab support please visit: <http://intranet.lerner.ccf.org/services/ilab/>

Flow Cytometry Core

Access the Core

- Use the Core's direct link: <https://ccf.ilab.agilent.com/service center/show external/4667>
- Alternately, find the core by signing into iLab, clicking the left navigation (hamburger) button, and clicking Core Facilities. Then locate the link to the core's site in the right hand menu.

The screenshot shows the Agilent CrossLab iLab Operations Software interface. The left navigation menu is on the left, and the main content area is on the right. The 'Core Facilities' link in the navigation menu is highlighted with an orange box. The main content area displays a table of core facilities, with the 'Flow Cytometry' row highlighted by an orange box.

Core Name	Primary Contact
Lerner Research Institute	
Clinical Research Unit	Latasha Bolden, M
Animal Tumor	Dr. Daniel Lindne
BioRobotics and Mechanical Testing (BRMT)	Robb Colbrunn
Cell Services: Cell and Media Production	Carmel M. Burns
Engineering Design Core	Ryan Klatte
Flow Cytometry	Kewal Asosingh, P

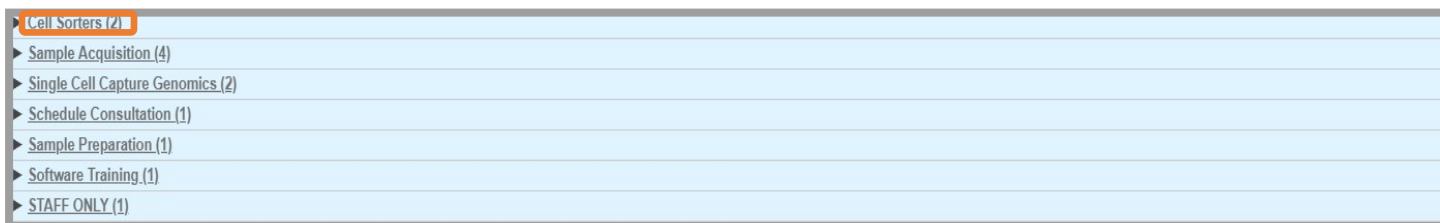
Flow Cytometry Core

Scheduling Equipment (Selecting the Resource)

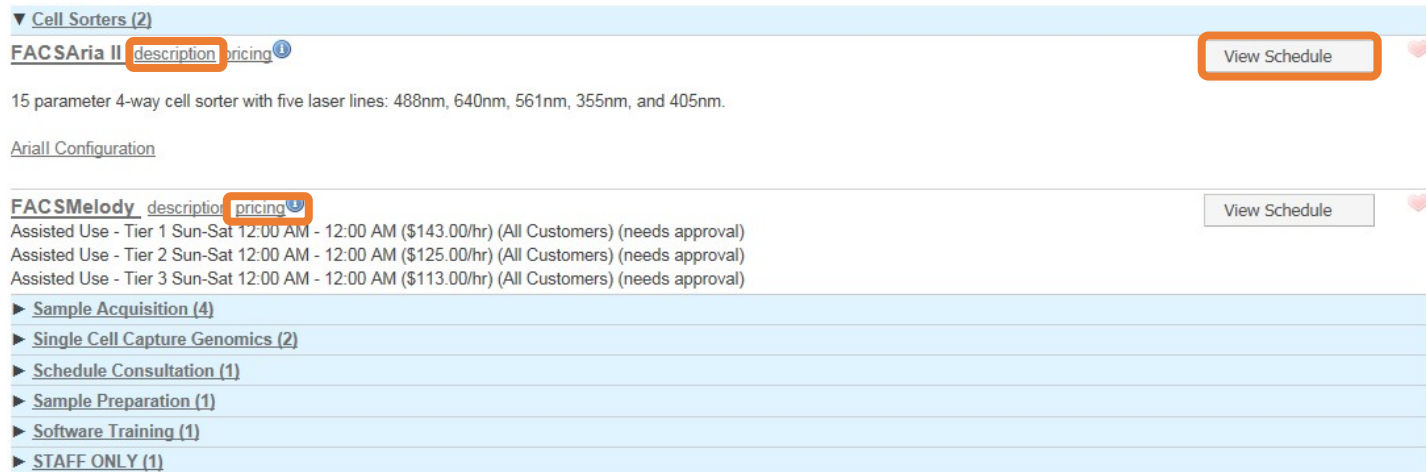
- After **navigating** to the core's site click the Schedule Equipment tab (shown below).



- Access the calendar** for the resource you would like to schedule by clicking on the resource name below.



- A **drop down description** will open up and you will be able to view the description, pricing and schedule for that resource.



Flow Cytometry Core

Scheduling Equipment (Painting the Calendar)

- To **schedule an event** on the calendar click and drag on the day and time of the intended usage. **Note:** this core will only charge based on actual time used.

Return to Schedules **Schedule** Description Other Schedules

Please click and drag on the calendar below to schedule time. This calendar is in (GMT-05:00) Eastern Time (US & Canada)

refresh frequently refresh events legends & help show other relevant schedules

Day Week Two weeks Month Multi View Sunday, May 12 – Saturday, May 18 Today

	Sun, May 12	Mon, May 13	Tue, May 14	Wed, May 15	Thu, May 16	Fri, May 17	Sat, May 18
12:00 PM							
01:00 PM							
02:00 PM							
03:00 PM						01:15 PM - 03:30 PM New event	
04:00 PM							
05:00 PM				05:15 PM - 08:30 PM (Pending approval by core) FACSAna II (logged time) - Ben Test (555-5555)			
06:00 PM							
07:00 PM							
08:00 PM							
09:00 PM							
10:00 PM							
11:00 PM							

Flow Cytometry Core

Scheduling Equipment (Cell Sorter)

- Add any desired notes regarding this event
- Confirm that your selected time is correct. Use the Pencil icon to the right to make adjustments to the time
- Select payment information from the drop down list.

Reservation details
Unsaved reservation - click save reservation

For: FACSaria II - Assisted Use - Tier 1 \$143.00/hr (needs approval) - My Reservation

Lab: [Trial Doctor \(LRI\) Lab](#)

Created on: July 05, 2019 13:54

Event Notes:

note visible to anyone ▼ 🔒

Times

	Start	End	
Scheduled	Jul 08 2019 02:15 PM	Jul 08 2019 06:00 PM	

Reserve time on a linked schedule

☐ Reserve

Use and cost of reservation

Below Prices are subject to change. You will be billed for actual usage time - not the length of your reservation.

Duration	Effective Rate	Amount	Use Type
3.75 hours	\$143.00	\$536.25	Assisted Use - Tier 1 Base Rate
3.75 hours	Total Cost	\$536.25	Internal

[Pricing Details](#)

Payment information

Please enter the Cost Center 🔒

1 100.0 %

Cost Center

Select Cost Center... ▼

100.0% Total Allocated 🔒

☒ Use the same payment information for all add-on charges [+ Split Charge](#)

Invite additional people to this event by email 🔒

Please enter a comma separated list of valid email addresses

***NOTE:** Although payment information is required at the time of reservation the Flow Cytometry Core will only charge based on actual time used.

***NOTE:** In order to schedule time on core equipment you will need access to one or more funds. A drop down that will contain all Funds assigned to you by your iLab Champion will appear under the Payment Information section.

If you see a message stating, "You do not have access to any Cost Centers..." please contact your iLab champion.

A list of iLab champions can be found here: <http://tinyurl.com/ilabchampions>

Flow Cytometry Core

Scheduling Equipment (Cell Sorter continued)

- Complete the necessary information on the reservation form (shown below). Be sure to complete all required fields (marked with an *)
- After completing the form turn to Page 9 for instructions on saving your reservation.

Required forms

All required fields (as indicated with a red star *) **MUST** be completed in order to save your reservation.

* Biohazard Potential? ☐ Yes
☐ No
Radioactive materials are prohibited.

* What species (human, mouse, ...):

* Are you a Cleveland Clinic User? ☐ Yes
☐ No

* Requestor Signature

* Phone Number

* Date

* ☐ I certify that I have read and fully understand Unit 3.6 Standard Safety Practices for Sorting of Unfixed Cells of the Current Protocols in Cytometry. I further agree to use the Aris II cell sorter facility in accordance with the recommended Biosafety Practices and protect the health of all users and operators.
Please note: Unit 3.6, Standard Safety Practices for Sorting of Unfixed Cells is available here:
<https://content.labsolutions.com/esp-content/uploads/2015/02/SORT-SAFETY.pdf>
For questions about ISO please contact Abby Bifano, Ph.D. abifano@ccf.org
or Nick Tripoulos, Ph.D. tripoulos@ccf.org

* Sample Information ☐ Fresh
☐ Ethanol
☐ Paraformaldehyde Fixed

Cell Type:

Fluorochromes Used
Marker - Color
 Marker - Color...
Add row(s)

SORT CRITERIA

* Sterile recovery? ☐ Yes
☐ No

* Temperature: ☐ 4°
☐ RT

* Collection Device: ☐ 15ml tube (2-way sort)
☐ 5ml tube (2-way / 4-way sort)
☐ microtube (2-way / 4-way sort)
☐ well-plate

* Purity Check? ☐ Yes
☐ No

* Sort Report? ☐ Yes
☐ No

Sample IDs
Name
Add row(s)

BILLING INFORMATION

Tier 1 (up to 2 hours/month)
Tier 2 (2 to 10 hours/month)
Tier 3 (10 or more hours/month)
Cancellation of a cell sorting experiment must take place at least 2 hours before start time to avoid cancellation fee.
For additional information please visit our web page:
<http://www.lerner.ccf.org/services/flow>
This link will open in a new browser tab.

Delete Reservation

Flow Cytometry Core

Scheduling Equipment (Cell Analyzer)

- Add any desired notes regarding this event
- Confirm that your selected time is correct. Use the Pencil icon to the right to make adjustments to the time
- Click pricing details button to select your usage type
- Select payment information from the drop down list.

Reservation details Unsaved reservation - click save reservation

For: LSRFortessa - Self Use (Business Hours) \$92.00/hr (Trained) (needs approval) - My Reservation
 Lab: [Trial_Doctor \(LRI\) Lab](#)
 Created on: July 05, 2019 14:51

Event Notes: note visible to anyone

Times

Scheduled	Start	End	
	Jul 09 2019 01:45 PM	Jul 09 2019 04:45 PM	

Reserve time on a linked schedule

☐ Reserve

Use and cost of reservation

Below Prices are subject to change. You will be billed for actual usage time not the length of your reservation.

Duration	Effective Rate	Amount	Use Type
3.0 hours	\$92.00	\$276.00	Self Use (Business Hours) Base Rate
3.0 hours	Total Cost	\$276.00	Internal

Pricing Details

Jul 09 '19 1:45 PM - 4:45 PM Self Use (Business Hours) \$92.00/hr (T)

- Self Use (Business Hours) \$92.00/hr (Trained) (needs approval)
- Training \$92.00/hr (All Customers) (needs approval)
- Assisted Use \$92.00/hr (All Customers) (needs approval)
- High Throughput System \$92.00/hr (Trained) (needs approval)

Payment information

Please enter the Cost Center

1 100.0 % Cost Center

Select Cost Center...

100.0% Total Allocated

☒ Use the same payment information for all add-on charges + Split Charge

Invite additional people to this event by email

Please enter a comma separated list of valid email addresses

***NOTE:** Although payment information is required at the time of reservation the Flow Cytometry Core will only charge based on actual time used.

***NOTE:** In order to schedule time on core equipment you will need access to one or more funds. A drop down that will contain all Funds assigned to you by your iLab Champion will appear under the Payment Information section.

If you see a message stating, "You do not have access to any Cost Centers..." please contact your iLab champion.

A list of iLab champions can be found here: <http://tinyurl.com/ilabchampions>

Flow Cytometry Core

Scheduling Equipment (**Cell Analyzer** continued)

- Complete the necessary information on the reservation form (shown below). Be sure to complete all required fields (marked with an*)
- After completing the form turn to Page 9 for instructions on saving your reservation.

Required forms

All required fields (as indicated with a red star *) MUST be completed in order to save your reservation.

★ Will staff assistance be required for this appointment? ☐ Yes ☐ No

★ What is the Biosafety Level of your samples? ☐ BSL 1 ☐ BSL 2

Please select what type of samples you will be bringing:

☐ Solid Tissue
☐ Cell Culture
☐ Blood
☐ Bone Marrow
☐ Other

What species (human, mouse, ...)

Have you evaluated your sample prep? ☐ Yes ☐ No ☐ I don't know

Are your antibodies or probes titrated? ☐ Yes ☐ No

▼ Panel Design

	Marker	Fluorochrome
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

► upload or download data to the grid from excel

Sample ID Please list all the samples. A well designed experiment contains unstained controls, single channel controls and FMOs

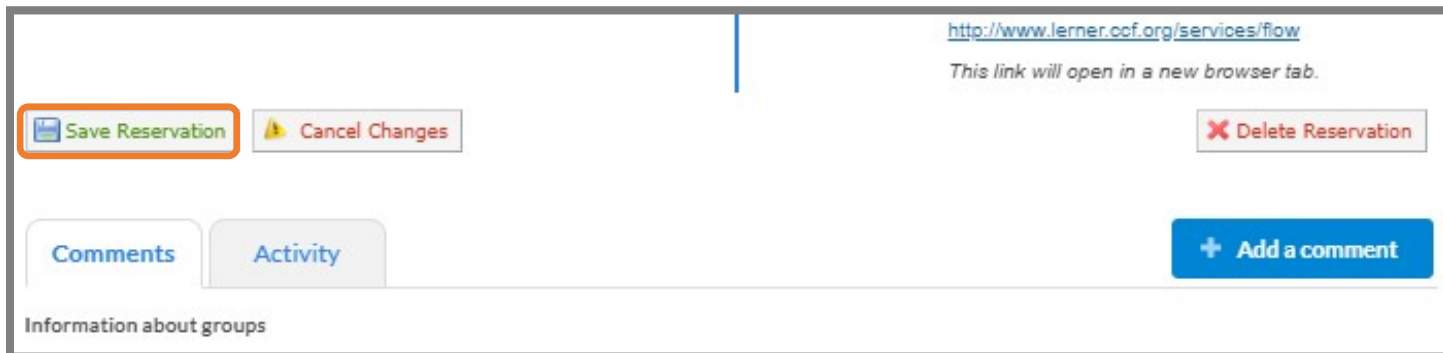
1.
2.
3.
4.

Delete Reservation

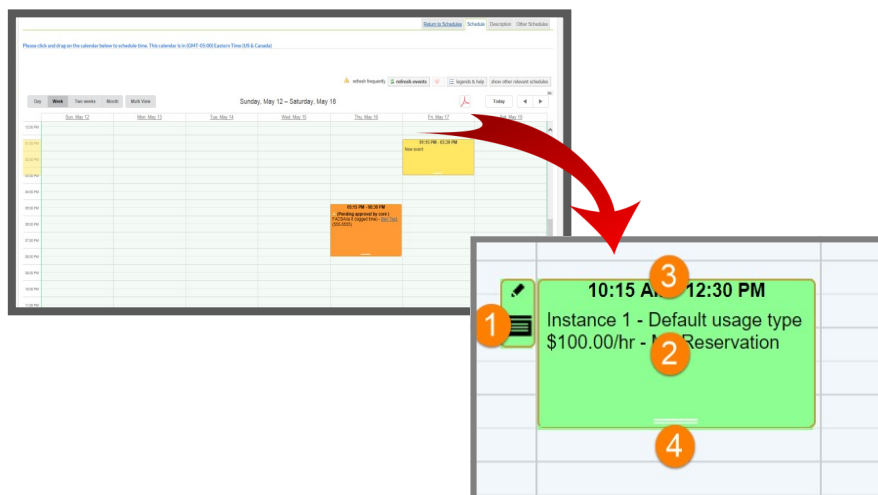
Flow Cytometry Core

Scheduling Equipment (Saving your Reservation)

- After completing all necessary information Please click the  button in the bottom left corner of the page to submit your reservation.



- If you need to change your reservation after saving it you can do so by returning to the calendar and
 - Click on the reservation to bring up the edit mini-menu to the left. Then, click on the bottom event icon to open up the reservation detail window.
 - Double-click on the reservation to open up the reservation detail window
 - Drag the top of the reservation (title with reservation times) to move the entire reservation to another time slot (either on the same or even another day)
 - Drag the bottom of the reservation (two white handle bars) up or down to extend/reduce the length of the reservation. Note that you can only change the end time by dragging in this way.



- More Information** regarding scheduling equipment can be found under the Schedule Equipment section here: <http://tinyurl.com/useilabcore>

Flow Cytometry Core

The Request Services Tab

- After **navigating** to the core's site click the Request Service tab (shown below).
- **Initiate a Service Request** by clicking on the "Request Service" button of the appropriate request in the upper "Service requests" section of the page. This will open up the Service Request interface.

Flow Cytometry Core website interface showing the 'Request Services' tab. The 'Request Services' tab is highlighted in the top navigation bar. Below it, the 'Service Projects & Quote Requests' section is highlighted. A 'Sort manually' button is visible. In the 'Request Appointment Change/Cancellation' section, a 'request service' button is highlighted.

- The interface has three sections:
 - **Forms and Request Details:** This section will contain any forms that need to be completed as part of the service requests, as discussed in more detail below. (**When you first visit the request page the form will be expanded open** and you may have to scroll down to see the Cost and Payment sections.)
 - **Costs:** this section is for core use only, and may reflect an initial cost estimate for the service request, or it may be empty and get updated by the core after submission.
 - **Payment information:** Here you select the payment information to be applied to this request, as discussed in more detail here.

Request Appointment Change/Cancellation

Request Name: FC-CT-[CID]
Customer: CoreServices TestUser Lab: Trial Doctor (LRI) Lab
Email: ccf.veja@gmail.com Phone: 555-555-5555

Forms and Request Details (see bottom of list to add items to this request)

View Form: Appointment Cancellation or Adjustment Not Started

Please fill out any forms that are highlighted in red.

Cost

The core will review and update this projected cost. You will only be billed for completed work.

Total Projected Cost: \$ 0.00

Payment Information

Please enter the Cost Center

% Cost Center
1 100.0 % Select Cost Center...

100.0% Total Allocated

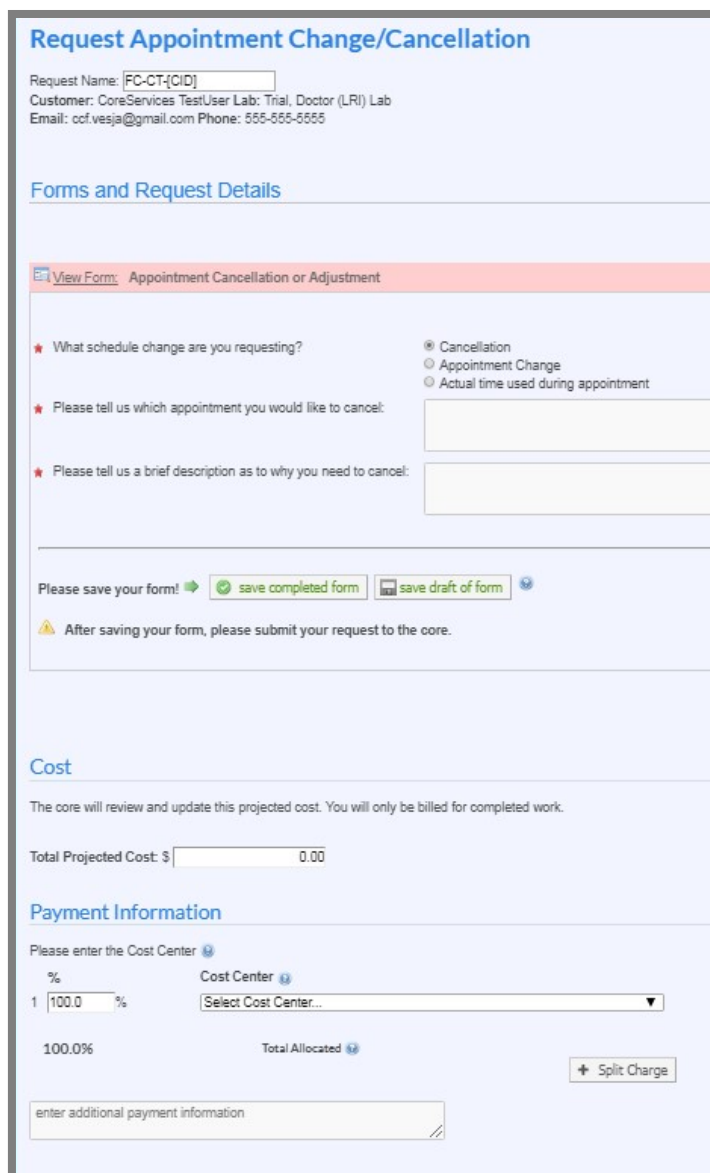
enter additional payment information

submit request to core save draft request Cancel

Flow Cytometry Core

The Request Services Tab—Request an appointment change/cancellation

- Complete the form for the service request.
- Fill in all necessary information being sure to complete all required fields (marked with an *****)
- After completing the form click the  button at the bottom of the form before moving on.



Request Appointment Change/Cancellation

Request Name: [FC-CT-(CID)]
 Customer: CoreServices TestUser Lab: Trial, Doctor (LRI) Lab
 Email: ccf.vesja@gmail.com Phone: 555-555-5555

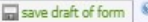
Forms and Request Details

[View Form](#): Appointment Cancellation or Adjustment

★ What schedule change are you requesting? ☒ Cancellation
☐ Appointment Change
☐ Actual time used during appointment

★ Please tell us which appointment you would like to cancel:

★ Please tell us a brief description as to why you need to cancel:

Please save your form!  

⚠ After saving your form, please submit your request to the core.

Cost

The core will review and update this projected cost. You will only be billed for completed work.

Total Projected Cost: \$

Payment Information

Please enter the Cost Center 

% Cost Center 
 1 100.0 %

100.0% Total Allocated 

- Once your form is successfully saved it will collapse and turn yellow. If you need to modify your entries click the “View Form” link to reopen the form. Be sure to click the “Save completed Form” button again if you make any changes.



[View Form](#): ATC Project Request Form Completed   

Flow Cytometry Core

The Request Services Tab—Submitting your Service Project Request

- In the Payment Information section you will need to provide an activity/accounting unit for the core to bill.
 - A drop down that will contain all Funds assigned to you by your iLab Champion will appear under the Payment Information section.
 - If you see a message stating, “You do not have access to any Cost Centers...” please contact your iLab Champion.
A list of iLab Champions can be found here: <http://tinyurl.com/ilabchampions>

- After you have ...
 - Filled out the form
 - Clicked the  button
 - Added Payment Information
 - ... click the  button at the bottom of the page to complete your request.
- Core facility staff have been notified that your request has been entered, and will contact you.

Flow Cytometry Core

Checking the Status of all Service Requests

- Once the Service Request has been submitted, the Customer can check on the status on the **View My Requests** tab

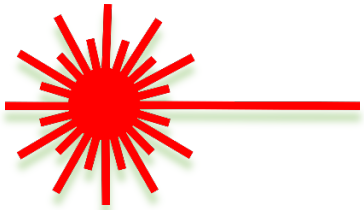
Searching within **active requests**: Results in this tab are restricted by *Status* ([show details](#))
Please use the filter panels in the left-hand menu to drill down to requests of interest. You can also save filters to custom tabs! [Click here for more details.](#)

Displaying 7 out of 7 results. (Page 1 of 1)

date	for	service id	status	cost
Feb 28 (Feb 28 2018)	Sample Member 1 Sample Lab	FCF-SM1-11 Proteomics	Waiting for Core to Agree	\$100.00 (\$100.00)
Feb 28 (Feb 28 2018)	Sample Member 1 Sample Lab	FCF-SM1-[CID] Proteomics	Waiting to Submit to Core	\$20.00 (\$20.00)
Feb 24 (Feb 24 2018)	Sample Member 1 Sample Lab	FCF-SM1-9	Waiting for Financial Approval	\$0.00 (\$0.00)
Feb 24 (Feb 24 2018)	Sample Member 1 Sample Lab	FCF-SM1-[CID]	Waiting to Submit to Core	\$0.00 (\$0.00)
Feb 24 (Feb 24 2018)	Sample Member 1 Sample Lab	FCF-SM1-[CID]	Waiting to Submit to Core	\$0.00 (\$0.00)
Feb 24 (Feb 24 2018)	Sample Member 1 Sample Lab	FCF-SM1-8	Completed	\$540.00 (\$1,290.00)
Feb 24 (Feb 24 2018)	Sample Member 1 Sample Lab	FCF-SM1-[CID]	Waiting to Submit to Core	\$0.00 (\$0.00)

completed: Feb 24

- Filters:** The filters panel, as discussed further below, is a way to refine your list of requests.
 - Request list:** This panel displays all (filtered) service requests
 - Custom filter tab:** A tab created using filter criteria, as discussed in the Create a custom filter section
 - Status filter:** Provides access to a range of filters based on the status of the request, as discussed further below
 - Reload Active Requests:** Update the list of service requests (without having to refresh your browser)
- For more information on interacting with requests you have placed check here <https://tinyurl.com/ilabviewrequest>
 - More Information** regarding requesting service can be found under the Requesting Services section here: <http://tinyurl.com/useilabcore>



10 Simple Clicks to Schedule Time on the Flow Cytometer

- 1) Click on the Cleveland Clinic's Intranet homepage
<http://portals.ccf.org/today>
- 2) Click on "All Login Accounts". Click on "iLab" and login using CCF credentials.
- 3) Click on the top left navigation (hamburger) button, click on "Core Facilities" and then "Flow Cytometry".
- 4) Click on the "Schedule Equipment" tab and then choose either the "Cell Sorters" or "Sample Acquisition" tab, depending on your experiment.
- 5) Click on the "View Schedule" tab under the piece of equipment that you plan to use.
- 6) Find the date and time that you plan to request usage. Click and drag on the scheduled day and time to begin the appointment process.
- 7) Create a reservation by completing the necessary information on the reservation form, including your method of payment. Be sure to complete all required fields (marked with an *).
- 8) For self-use reservations, ensure that "Self-Use" is selected.
- 9) If you require assistance for your reservation, please fill out all pertinent fields to ensure core technician can appropriately assist and ensure that "Assisted Use" is selected.
- 10) Click the "Save Reservation" button to send the reservation request to core personnel.

You will get an email from iLab when your reservation has been approved.

Registration for Users External to Cleveland Clinic

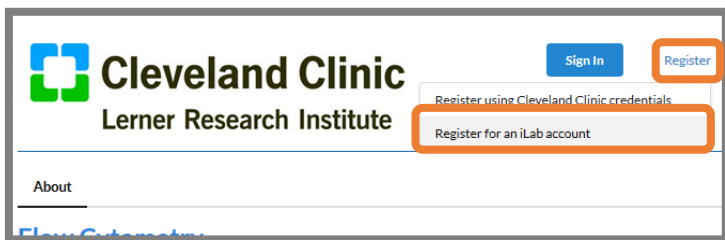
Start with a link

Using either the link provided you by the core whose site you are trying to access or this link: <https://ccf.ilab.agilent.com> visit the CCF iLab registration page.

Core Specific Link

Accessing the specific URL given to you by the core facility will bring you to the external landing page of the core.

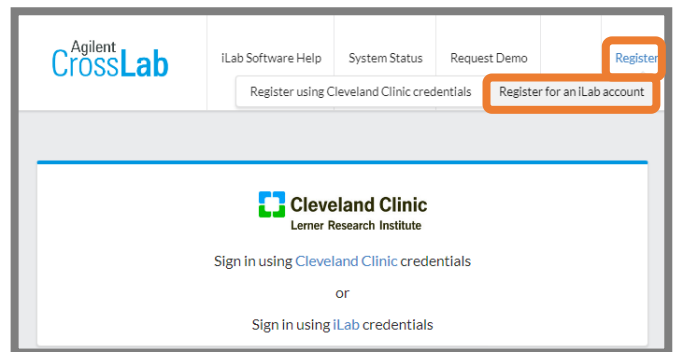
Click **Register** > **Register for an iLab Account**



Main Cleveland Clinic iLab Link

Accessing the main Cleveland Clinic iLab Link will bring you to Cleveland Clinic's instance of iLab.

Click **Register** > **Register for an iLab Account**



Step 1

Once you click 'Register', you should see the first step of the Registration interface, where you enter your e-mail address, verify the CAPTCHA requirement and agree to iLab's privacy and security policies.

Registration for Users External to Cleveland Clinic

Step 2 - Personal Information

The second step of the process requires you to complete your personal information.

*Institution Affiliation

Type the name of the institution for which you work. (your “Home” institution)

If your institution’s name does not appear in the list below the field, select the “(create new)” option.

Start Personal Information Group Associations Billing Information

You are requesting access to the
Lerner Research Institute's service centers.

* First Name

* Last Name

Phone Number

* I am affiliated with the following institution

Please type the name of your institution

Institution

Institution (create new)

Others

- [Institution Name](#)
- [Augusta Partner Institutions](#)
- [Carnegie Institution for Science](#)
- [Dortest Institution](#)
- [Genologics Clarity LIMS Institution](#)
- [Haka Test Institution](#)

Continue

Registration for Users External to Cleveland Clinic

Step 3—Group Association

The third step prompts you to indicate the Lab/Group you are associated with. You may enter the group name, PI name, or financial approver and the system will search for a group matching that information. If there is no existing Lab/Group (which will be the case if you used the “(create new)” option in step 2), you can use "Create New Group" to create a new Lab/Group.

If Creating a new Lab/Group

Provide information for your group’s principal investigator.

If there is no Principal Investigator, provide information for the person in your group/organization who should help manage iLab group memberships, assign funds, and approve spending.



Registration for Users External to Cleveland Clinic

Step 4—Billing Information

The fourth step may not be required for your “Home” institution, in which case you would have been prompted to complete the process after the "Group Associations" step. However, if Billing Information is required, you will be prompted to complete the following information:

Start

Personal Information

Group Associations

Billing Information

You are requesting access to the
Help Site Documentation Institution's service centers.

Billing information is required for core facilities to be able to charge when necessary.

☒ Associate new billing address to my account

Billing Contact Name + Institution / Department

* Billing Address + Address line

* City

State / Province + Country

* Zip / Postal Code

☐ Add shipping address if different from billing

Cancel

Back

Complete

Registration for Users External to Cleveland Clinic

Step 5— Complete your Registration

After providing all necessary information, you may click the “complete” button to complete your registration.



A horizontal bar containing three buttons: 'Cancel' (light blue), 'Back' (grey), and 'Complete' (blue). The 'Complete' button is highlighted with a thick orange border.



Instant access?

If your registration meets the following conditions, it will be completed momentarily, you will receive a confirmation e-mail and the PI and Lab/Group managers will be notified:

- Your “Home” institution already exists in iLab
- The registration e-mail address matches a known institutional domain
- The Lab/Group you are registering with already exists in iLab



24 Hours?

If the conditions listed to the left are not met, your registration will be manually reviewed by iLab, and account creation (or rejection) may take up to 24 hours.

Trouble?

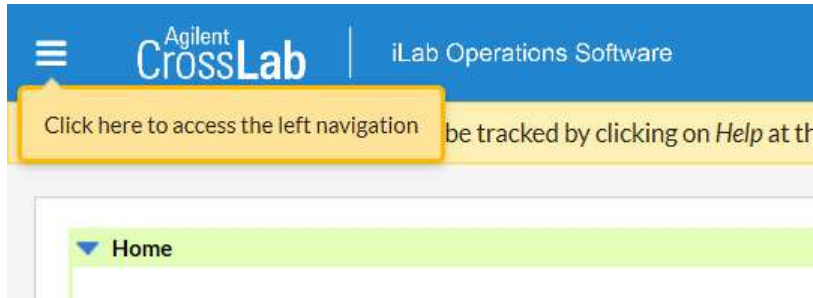
If you have any difficulty with this process, or don’t hear from iLab after 24 hours you can contact iLab via the following methods:

E-Mail: ilab-support@agilent.com

Phone: 1-800-690-2957

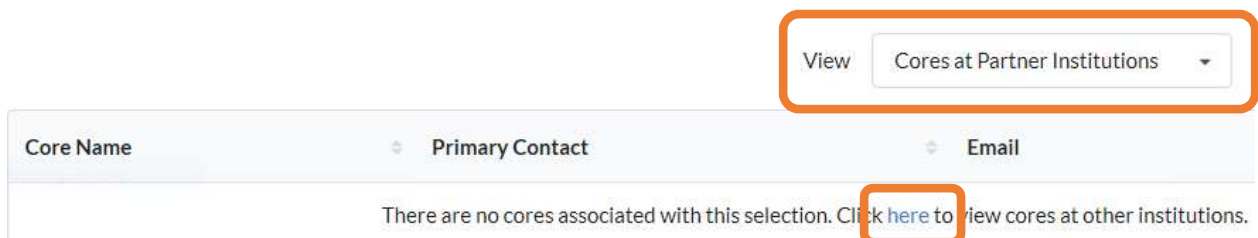
Access the Lerner Flow Cytometry Core (CWRU)

- Find the LRI core by signing into iLab, clicking the left navigation (hamburger) button, and clicking Core Facilities. See below.



A screen should pop-up and you should be able to click on the View button until “Cores at Partner Institutions” is selected. Then click “here”. It will take a minute to load all the partner institution sites. See below.

Core Facilities



Once the partner institutions pop-up, search for “Lerner”. All the core facilities at the Lerner Research Institute will pop up. Click on “Flow Cytometry”.

View Cores at Other Institutions Lerner

Core Name	Primary Contact	Email	Phone Number
Lerner Research Institute			
Clinical Research Unit	Latasha Bolden, MHA	boldeni3@ccf.org	216-445-8496
Alcohol Center	Megan McMullen	mcmullen2@ccf.org	216-444-9613
Animal Tumor	Dr. Daniel Lindner	llindned@ccf.org	
Atrial Fibrillation Innovation Center (AFIC)	Laura Konczos	konczol@ccf.org	216-445-7006 or 216-312-4421
Biological Resources Unit (BRU)	Michael Piccirillo	piccirim@ccf.org	216-445-5188
BioRobotics and Mechanical Testing (BRMT)	Robb Colbrunn	colbrur@ccf.org	216-385-5914
Cell Services: Cell and Media Production	Carmel M. Burns	burnsc@ccf.org	216-444-5814
Computing Services	James Feldkircher	feldkij@ccf.org	
Electronics Core	Barry Kuban	kubanb@ccf.org	
Flow Cytometry	Ryan Klatte	klatter@ccf.org	216-312-0924
	Kewal Asosingh, PhD, SCYM(ASCP)	asosink@ccf.org	216-444-0891

Once you are in the Flow cytometry page, click on the Schedule Equipment tab and follow the instructions in the “10 Easy Clicks Guide”.

Flow Cytometry


 About Our Core Schedule Equipment Request Services

Schedule Resources

This page is where anyone may schedule an appointment in the Flow Core.

To schedule with us:

1. Please click into an instrument or other service you wish to schedule
2. Drag-and-drop the appropriate time block for the reservation
3. Complete any forms and information needed to schedule the instrument
4. Flow Core personnel will then approve or modify

Cancellations:

1. Cancellations should be made 2 hours before the start of the appointment (late cancellations are subject to a fee resulting in 50% of full appointment charge)
2. Cancellations made 15 minutes into the appointment time will be considered late
3. A late or no call/no show appointment will be charged for the full time the appointment is scheduled
4. Please email the flow core directly at FlowCore_LRI@ccf.org to cancel any approved appointments

For any additional questions please email us directly at FlowCore_LRI@ccf.org.

- ▶ Cell Sorters (2)
- ▶ Sample Acquisition (4)
- ▶ Single Cell Capture Genomics (1)