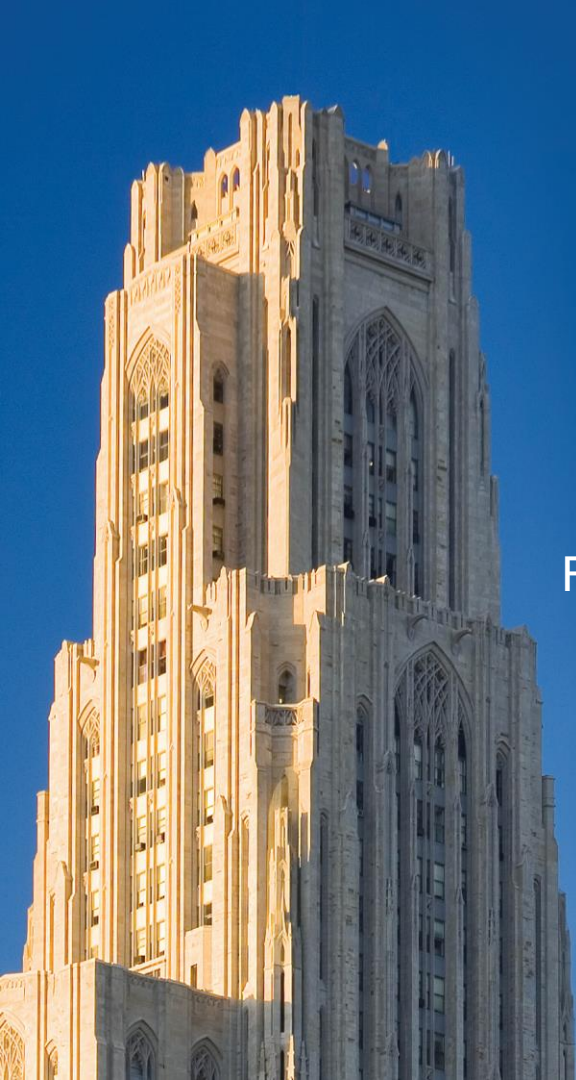




Pitt Shared Facility Training

August 31 and September 3, 2026

Rob Cunningham, Vice Chancellor for Research Infrastructure

Krista Zottola, Project Manager

Ashley Zyhowski, University iLab Administrator

Pitt **Research**

Agenda

- 
- Introduction to RCFs and Pitt's Online Tools
 - The Research Core Facility Web Site
 - Getting Started with iLab
 - Using Core Facilities in iLab
 - Help Resources
 - Q&A Session

What is a “Research Core Facility (RCF)”?

- An RCF (also called a “shared core”)...
 - Houses one or more **devices, instruments, special services**
 - In **shared space**, used by **multiple groups**
 - With an operating/governance model (**how to run it**)
 - With a business/cost model (**how to pay for it**)



Example:
PINSE--
Pitt Nanotech
RCF

Pitt Has Many RCFs

'Lower Campus' (LC)



Mostly **STEM**

- Natural sciences
- Engineering
- Computing

'Upper Campus' (UC)



Mostly **medical/health**

- Biological materials
- Human patients and samples
- Animal facilities

Hillman Cancer Center



Mostly **cancer research**

- Preclinical imaging
- Cancer proteomics
- Cytometry & multi-omics

Peer Best Practice: Common Platform

As told to the BoT in 2023

- **One shared software system across all RCFs**

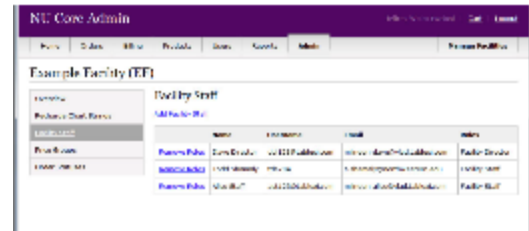
- For scheduling
- For tracking use & users
- For billing
- For service & maintenance
- Connected to OSVCR, and CFO and IT team

- **And importantly**

- For planning



Agilent CrossLab



NU Core Admin

Example Facility (EF)

Facility Staff	Name	Employee ID	Room	Notes
Facility Staff	John Doe	123456789	Room 101	Facility Staff
Facility Staff	Jane Smith	987654321	Room 102	Facility Staff
Facility Staff	John Doe	123456789	Room 103	Facility Staff



RCF Coordination and Status

- 2021 – Agreement between OSVCR and OSVCHS to work together
 - Based on review of other university best practices
- 2022/3 – Joint Study on Software to Manage Shared Research Core Facilities
 - Collaboration between DSAS, Engineering, SoM, OSVCHS, Chaired by OSVCR, facility directors
 - Key people: Pete Chambers, Paul Wood, Vlad Leskovetc
 - iLab was selected from ~5 commonly used systems
- 2023/4 – iLab Design and Integration with SSO and Financial System; first RCFs
- 2025/6 – Top level Website designed
 - Ongoing discussions across campus and with Hillman
- 2026 – Start of Redesign for All Shared Research Core Facilities

Status: 37 RCFs are Managed using Agilent's iLab
43 Updated Websites Designed or in Review

Pitt Organization and Key People

VC for Res. Infrastructure

Rob Cunningham



iLab Management

Ashley Zyhowski



Website Management

Krista Zottola



Lower Campus

Pete Chambers



Upper Campus

Paul Wood



Hillman

Vlad Leskovets



Navigating Through The Shared Facility Website



Shared Research Facilities

About

Find a Core

Resources

Using Core Facilities

Establish a Core Facility

Contact

News

Types of Shared Facilities & Who Works on Them at Pitt

List of Pitt's Shared Equipment Including: Name, Facility, Description

Information on Creating a Shared Facility Including: RRID, Annual Report

All Articles About Publications, Open Houses, New Equipment, Etc.

List of Pitt's Shared Facilities Including: Name, Campus, Citation, & Website Link

Frequently Asked Questions & iLab Training Per Role

University-Wide Contact Info for Questions Related to Shared Facilities

How To: Find a Facility

- Search By:
 - Facility Name
 - Locations
 - Equipment Name
 - People Associated with the Core
- Additional Resources:
 - Citation with RRID
 - Website Links

The screenshot shows the 'Shared Research Facilities' website. The header includes the University of Pittsburgh logo and navigation links: About, Find a Core, Resources, Using Core Facilities, Establish a Core Facility, Contact, and News. The main heading is 'Find a Core & Citation Guidelines'. Below this is a search interface with three filters: Search (a text input field), Equipment (a dropdown menu set to '- Any -'), and Location (a dropdown menu set to '- Any -'). There are 'Apply' and 'Reset' buttons. Below the filters is a table with three columns: RCF Name, Location, and Acknowledgement. The table lists two facilities: 'Advanced Imaging Core' (Upper Campus) and 'Center for Research Computing and Data' (Lower Campus). To the right of the table is a sidebar with a 'Shared Research Facilities' section containing links to About, Find a Core, Resources, Using Core Facilities, Establish a Core Facility, Contact, and News. Below this is an 'Acknowledgment format' section with the text 'Proper acknowledgment of the shared'.

RCF Name	Location	Acknowledgement
Advanced Imaging Core	Upper Campus	Magnetic Resonance Imaging was performed in the Advanced Imaging Center at the University of Pittsburgh (RRID: SCR_025139) and the services and instruments used in this project were graciously supported, in part, by the University of Pittsburgh, the office of the Senior Vice Chancellor for Health Sciences and the Department of Neurobiology.
Center for Research Computing and Data	Lower Campus	This research was supported in part by the University of Pittsburgh Center for Research Computing and Data, RRID:SCR_022735, through the resources provided. [Specifically, this work used the HTC cluster, which is supported by NIH award number S10OD028483.] include if allocation of computing time or storage on HTC cluster OR [Specifically, this work used the H2B cluster, which is supported by NSF award number OAC-2117681-1]

How To: Find Equipment

- Search By:
 - Facility Name
 - Locations
 - Equipment Name
- Additional Resources:
 - Equipment Descriptions
 - Individual Equipment Pages
 - Full Descriptions
 - Photos
 - Resource Links
 - Reservation Information

The screenshot displays the 'Shared Research Facilities' website. The header includes the University of Pittsburgh logo and navigation links: About, Find a Core, Resources (highlighted), Using Core Facilities, Establish a Core Facility, Contact, and News. A search icon is in the top right. The main content area is titled 'Resources' and contains text about the university's shared equipment and a list of links on the right: About, Find a Core, Resources (highlighted), Using Core Facilities, Establish a Core Facility, Contact, and News. Below the text, there is an 'Equipment' section with a search form. The form has two dropdown menus: 'Core' (set to 'Advanced Imaging Core') and 'Location' (set to '- Any -'). There are 'Apply' and 'Reset' buttons. Below the form is a table with two columns: 'Equipment Name' and 'Description'.

Equipment Name	Description
11.7T Bruker AVANCE AV3 HD Microimaging System	The Bruker 11.7 Tesla system features a vertical-bore 89mm magnet with two gradient inserts capable of up to 1500 mT/m, and an assortment of solenoid, birdcage, and quadrature resonators ranging from 2.5 mm to 30 mm for small rodent imaging.
9.4T/31cm Bruker AVANCE AV3 HD Scanner	The Bruker Biospec 9.4 Tesla system features two transmitter and eight receiver channels, dual gradient sets with maximum strengths of 230 mT/m and 660 mT/m, and a full suite of RF coils supporting rodent neuro- and cardiac imaging.

Acknowledging Pitt's Shared Research Cores

- Each core has a Research Resource Identifier (RRID)
- Suggested acknowledgement text differs slightly for each core, so use the web site to get the correct language
- RRIDs help track the impact of cores. Support your core by using their RRID!

Acknowledgement

Magnetic Resonance Imaging was performed in the Advanced Imaging Center at the University of Pittsburgh (RRID: SCR_025139) and the services and instruments used in this project were graciously supported, in part, by the University of Pittsburgh, the office of the Senior Vice Chancellor for Health Sciences and the Department of Neurobiology.

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iLab Supports Management of ~37 Shared Research Facilities

- What does iLab do? Researchers can
 - Reserve time on equipment
 - Submit service requests
- The Integration with Pitt's Infrastructure allows
 - Single-sign on via Pitt's passport
 - Access to accounts to automate billing
- Core facilities
 - Manage operations, billing and user access
 - Streamline financial tracking and documentation

Pitt iLab Overview



sign-up or login

[About Pitt Cores](#) [Core Facilities](#) [Search](#)

Welcome to Pitt's iLab System

Your gateway to shared research core facilities at the University of Pittsburgh

About Shared Research Core Facilities

Shared research core facilities (cores), provide the University of Pittsburgh research community with access to specialized instruments, facilities, and services. These facilities offer high-end equipment, expert scientific staff, and advanced data analysis capabilities that enable leading-edge research across disciplines.

By leveraging shared research core facilities, investigators can reduce costs, accelerate discovery, and ensure the highest standards of quality and reproducibility. Core facilities are open to Pitt faculty, staff, and students, and many also serve external users including other universities and industry partners.

Using Pitt's iLab System

Pitt & UPMC Users: Please log in using the button at the top right of this page. New users can register by following [these instructions](#).

Non-Pitt/UPMC Users: Log in or sign up from the top-right of this page. New users can register by following [these instructions](#).

Important: The department field for all Pitt employees is automatically assigned and has been standardized using a naming convention. Please do not modify this field, as it is essential for building templates that enable automated reporting.

Resource Links

[Pitt Shared Research Facilities Homepage](#) – main Pitt core facility website for all cores

[Pitt iLab Training Material](#) – FAQs, standard operating procedures and training videos

[Agilent iLab Help Site](#) – General instructions for help with iLab

[Email Agilent iLab Support](#) – General iLab needs and support

[Email Pitt iLab Support](#) – Pitt specific needs and support



pitt.ilab.agilent.com

Structure Matches Pitt's Organization

Agilent CrossLab iLab Operations Software Go Ashley Zyhowski Help Sign Out			
Core Name	Primary Contact	Email	Phone Number
University of Pittsburgh – Hillman			
Common Instruments	Jeff Germuska	germjx3@upmc.edu	412-623-5984
Cytometry Facility	Tullia Bruno, PhD	tbruno@pitt.edu	412-383-5722
Luminex Core Laboratory of the Cancer Proteomics Facility	Anna Lokshin, PhD	loksax@upmc.edu	
Small Animal Multimodal Imaging and Radiotherapeutic Applications Facility (SaMIRA)	SaMIRA	SAMIRAhillman@groups.pitt.edu or ivfhillman@groups.pitt.edu	412-864-7960
University of Pittsburgh – Lower Campus			
Center for Research Computing and Data	Kim Wong	kimwong@pitt.edu	412-273-8322
Dietrich Glass Shop	Kiva Ford	kcf32@pitt.edu	412-624-8413
Dietrich School Electronics Shop	Nick Howell	nah331@pitt.edu	412-624-8410
Dietrich School Machine Shop	Shawn Artman	sha58@pitt.edu	412-642-8412
Dietrich School Microscopy and Imaging Suite	Chaowei Shang, PhD	chs330@pitt.edu	412-624-4448
FSRDC	Shawn Ratcliff-Peterson, PhD	shawn.ratcliff@census.gov	
Mass Spectrometry Lab	Bhaskar Godugu	bhg5@pitt.edu	336-554-4903
Materials Characterization Lab	Joel Gillespie	jrg68@pitt.edu	412-624-0312
NMR Facility	Damodaran Krishnan Achary, PhD	damodaran@pitt.edu	412-624-8403
Western Pennsylvania Quantum Information Core	Wenmin Yang	wey101@pitt.edu	412-224-0945
X-Ray Diffraction Facility	Steven Gelb	gelb@pitt.edu	412-327-1912
University of Pittsburgh – Upper Campus			
CBI Electron Microscopy Lab	Simon Watkins, PhD	simon.watkins@pitt.edu	412-352-2277
CFAR Core D: Clinical Sciences	Sharon Riddler, MD	riddler@pitt.edu	
CFAR Core E: Viral Pathogenesis & Persistence	Kerri Penrose, MS	kjp43@pitt.edu	412-383-3922
CFAR Core F: Systems Biology and Biostatistics	Peter Shouair	pes41@pitt.edu	
Clinical Research Coordinator Service	Stephanie Montgomery	skm66@pitt.edu	
Gnotobiotic Animal Core Facility	Gnotobiotic Core Facility	gnotobio@pitt.edu	412-648-4450

Hillman RCFs

Lower Campus

Upper Campus

Use the “About” Page to Browse Cores

Dietrich School Microscopy and Imaging Suite

[About Our Core](#)[Schedule Equipment](#)[Request Services](#)[View My Requests](#)[Contact Us](#)[PO \(0\)](#)

Overview of Equipment and Services

The Microscopy and Imaging Suite offers state-of-the-art optical and electron microscopy, as well as flow cytometry services. The facility is equipped with advanced instruments for super-resolution (STORM/PALM), confocal, two-photon microscopy, electron microscopy (TEM and SEM), stereoscopic imaging, flow cytometry, and an image analysis workstation. We welcome all University of Pittsburgh members and external users. Our team provides support for experimental design, equipment training, staff-assisted image acquisition, and image analysis. All users must complete training with facility staff before accessing equipment.

Location and Hours of Operation

Primary: 101 Langley Hall, 179 Tennyson Ave, Pittsburgh, PA, 15260

Primary Sq. Ft: 1388

Days of the Week

Hours open

Monday – Friday

9:00 am – 5:00 pm, Assisted use

24/7 for trained users

Resources

- [Microscopy and Imaging Suite website](#)
- [Microscopy and Imaging Suite Acknowledgement and Citation Guidelines](#)

Overview

Location and Hours

Resources

Map

Contact Information

Similar Navigation for All Pitt Cores

Western Pennsylvania Quantum Information Core



[About Our Core](#) [Schedule Equipment](#) [Request Services](#) [View My Requests](#) [Contact Us](#) [PO \(0\)](#)

Overview of Equipment and Services

The Western Pennsylvania Quantum Information Core (WPQIC) is equipped with a suite of cryostats and measurement systems for probing electrical, magnetic, and quantum properties at cryogenic temperatures. Sample preparation capabilities include tools for wafer processing, nanomaterial transfer, and inert atmosphere handling. Deposition systems support thin film growth and surface treatment using a variety of techniques. Wirebonding and related sample preparation tools enable precise device packaging and integration, supporting a broad range of experimental workflows in quantum and nanoscale science.

Location and Hours of Operation

Primary: 108 Old Engineering Hall, 3943 O'Hara St, Pittsburgh, PA, 15213
Primary Sq. Ft: 3250

Days of the Week	Hours open
Monday – Friday	9:00 am – 5:00 pm
	24/7 for trained users

Tab Organization:

- **About Our Core:** Important information about the core. Only public-facing page.
- **Schedule Equipment:** view equipment schedules and make reservations
- **Request Services:** view what services a core provides and initiate service requests
- **View My Requests:** view all your requests within that core
- **Contact Us:** Submit a question to core staff

Reserve Access or Acquire Services

Dietrich School Microscopy and Imaging Suite



[About Our Core](#) [Schedule Equipment](#) [Request Services](#) [View My Requests](#) [Contact Us](#)

Schedule Resources

[Go to Kiosk](#) [Timeline View](#)

Search Resources...

Q Search

Sputter Coater [description](#) [pricing](#)

A gold sputter coater for SEM sample preparation. This equipment is free to use when you use our SEM for imaging. All users must be trained first. Customers are encouraged to buy their own target other than gold.

[View Schedule](#)

Abbelight Super Resolution Microscope [description](#) [pricing](#)

A fully automated inverted STORM/PALM super-resolution microscope. Four laser lines: 405, 488, 561, 647. Equipped with 2 cameras allowing simultaneous acquisition of two STORM channels. Resolution: 20 nm

[View Schedule](#)

[Request Training](#)

Nikon A1R Confocal & TIRF [description](#) [pricing](#)

A fully automated inverted confocal and TIRF system. Capable for live and fixed sample imaging

[View Schedule](#)

[Request Training](#)

Reserving Time on Equipment

High Throughput Genomics Core



[About Our Core](#) [Request Services](#) [View My Requests](#) [Contact Us](#) [PO \(0\)](#)

▼ Service Projects & Quote Requests

New Project/Consultation Request (New Project Consultation)

[request service](#)

Please use this form if you'd like to request information regarding a new project, have some general questions you'd like to discuss prior to submitting a formal request, would like a preliminary quote prior to project submission, or would like to schedule a consultation meeting.

QC Only Project Request (QC Only)

[request service](#)

Please use this form if you are submitting samples for QC Only, i.e. Fragment Analyzer, Fluor Quant (Qubit, Synergy, or Tecan), or QPCR.

Submitted Libraries Project Request (44948)

[request service](#)

Please use this form if you are submitting prepared libraries that you have prepared at your lab or another lab and you would just like the HTGC to perform QC and Sequencing of your libraries.

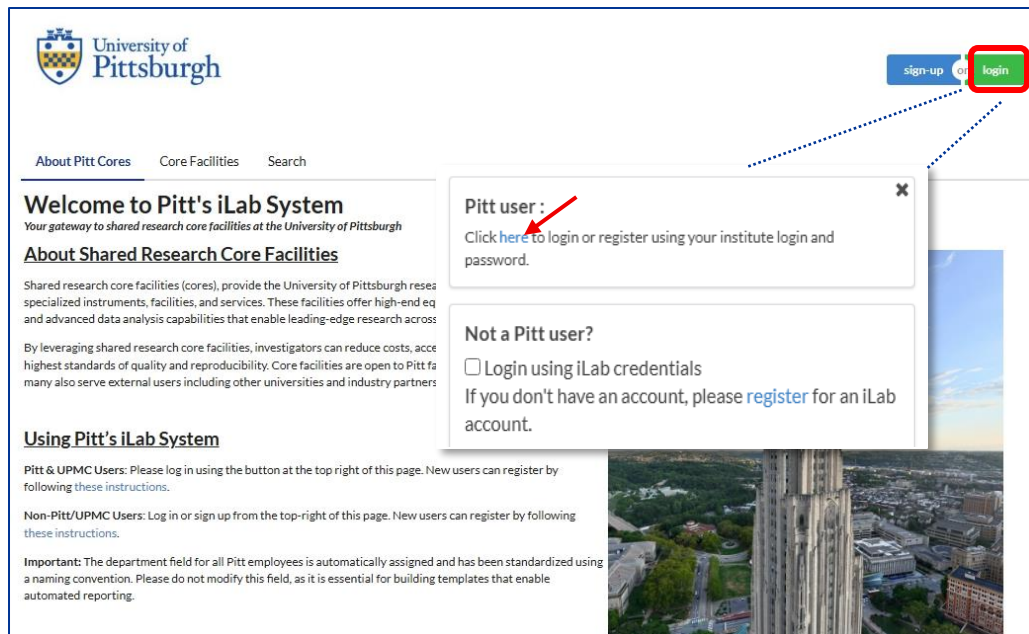
Obtaining Services from Providers

Agenda

- Introduction to RCFs and Pitt iLab System
- The Research Core Facility Web Site
- ➔ • Getting Started with iLab
- Using Core Facilities in iLab
- Help Resources
- Q&A Session

Getting Started with iLab: PIs

- PIs with sponsored (05) accounts are already in the system:
- **Login with Pitt credentials**
<https://pitt.ilab.agilent.com>
 - PIs with UPMC funds must first login with Pitt credentials, then link the UPMC lab
- PIs with only non-sponsored (02 or 04) accounts must have their lab manually created
 - Contact cores@pitt.edu for assistance



University of Pittsburgh

About Pitt Cores Core Facilities Search

Welcome to Pitt's iLab System
Your gateway to shared research core facilities at the University of Pittsburgh

About Shared Research Core Facilities

Shared research core facilities (cores), provide the University of Pittsburgh researchers specialized instruments, facilities, and services. These facilities offer high-end equipment and advanced data analysis capabilities that enable leading-edge research across various disciplines.

By leveraging shared research core facilities, investigators can reduce costs, access the highest standards of quality and reproducibility. Core facilities are open to Pitt faculty and many also serve external users including other universities and industry partners.

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Important: The department field for all Pitt employees is automatically assigned and has been standardized using a naming convention. Please do not modify this field, as it is essential for building templates that enable automated reporting.

sign-up login

Pitt user :
Click [here](#) to login or register using your institute login and password.

Not a Pitt user?
☐ Login using iLab credentials
If you don't have an account, please [register](#) for an iLab account.

Getting Started with iLab: PIs

- View all requests associated with your lab
- Accept or reject member requests
- Manage your lab/group

The screenshot displays the iLab Operations Software interface. The top navigation bar includes the Agilent CrossLab logo, the text 'iLab Operations Software', a search bar, and a user profile for Kelley Moremen. The left sidebar contains a menu with the following items: Home (Communications (3)), Core Facilities (My Reservations (1), View Requests, View Funds), Reporting, and Manage Groups (My Group, People Search). A blue bracket on the left side of the image groups the first three bullet points of the list with the 'Home', 'Core Facilities', and 'Manage Groups' menu items. A callout box for the 'Manage Groups' menu is shown, listing the following options: My Groups (highlighted with an orange circle), My Department, My Cores, iLab Solutions, and Petersfield Research. A second callout box, also with an orange border, lists the following groups: Jones, Parker (ITI) Lab, Lola Paucek Lab(test), Admin Lab (IS), Internal Lab 1, and Internal Lab 2. The main content area of the dashboard includes a 'Getting started' section with a 'Home' tab, an 'Equipment Search' bar, a 'Recently Used Equipment' list (Dissecting Microscope M125 - Room 100), 3 unread messages, and a notification that 1 researcher is seeking access to 1 lab you manage. Below this is a 'Service Requests' section with a table of requests.

Name	Owner	Total Price	State
PF-MA-2 Miscellaneous -	Mark Abbe	\$221.00 (\$221.00)	Needs payment info
ECF-DE-35 Services -	Dolly Ferry	\$144.00 (\$144.00)	Waiting for Financial Reapproval

Click the action buttons to resolve service requests that require your attention. Click the service request name to view the request details.

Getting Started with iLab: PIs

Meyer, Tara (PITT) Lab



Note from Institution:

For missing accounts, please contact your account administrator to confirm that the account combination is active. Accounts may be activated by contacting FRP/PPT customer service. Please be aware that iLabs receives a once daily feed of valid accounts and newly activated accounts will not be available until the following day.

Request access to additional account numbers: all fields must be populated when requesting access to non-sponsored account numbers.

1 Membership Requests & Account Numbers Members (7) Budgets Bulletin board (0) Group Settings

Membership Requests

⚠ An Access Request requires approval

Date	Name	Email
⚠ Jun 01 '26	Aidan Lexa	7@pitt.edu

Actions

✓ Accept ✗ Reject

Manage Account Numbers

Lab must be set up before users can reserve equipment or make requests:

- Add members
- Set approval settings
 - Can set lab-wide and individually

Lab-wide approval settings

🔗 Click the pencil icon next to the person below whom you would like to make the financial approver.

Default notification threshold amount for \$ 1000.0
reservations 🔗

Default auto-approval threshold \$ 5000.0

Cost overage buffer \$ 100 🔗

💾 save approval settings

Getting Started with iLab: PIs

Members tab:

- Grant manager permissions (can be done for multiple members)
- Designate financial contacts (\$ icon)

Lab members and settings

Active Members Expired Members

Name	Auto Approval Amount	ERP ID	Email	Phone	Start Date	End Date
Robert Cunningham	Lab default (\$5,000.00)	rkc27@pitt.edu	781-640-7788	   		
Dustin Nigro	Lab default (\$5,000.00)	djn38@pitt.edu	4123833789	   		

Account Numbers must be assigned to each member:

Name	Default Account Number (Ref Code)	
Robert Cunningham	None	☒
Dustin Nigro	None	☐

Showing 1 to 2 of 2 entries

Edit membership

Person Information

Email
Institutional e-mail is preferred

Phone number

Group Information

Auto Approval Amount

Association Information

Permission

☐ Can order?

☒ Core Financial Contact?

Start Date
End Date

Cancel Save

Getting Started with iLab: PIs

Requesting access to additional account numbers

- Non-sponsored account numbers (02 and 04) must be requested:

▼ Request access to additional Account Numbers

🔔 If you don't see a Account Number that you should have access to, please type it in below. The Fund Approver will receive a notification and approve or deny your request.

Your account number will be constructed from the following elements:

Entity (REQUIRED) – should be the exactly 2 numeric characters
Department (REQUIRED) – should be exactly 5 numeric characters
Purpose (REQUIRED) – should be exactly 5 numeric characters
Project (REQUIRED) – should be exactly 6 numeric characters

Entity	Department	Purpose	Project
Request			

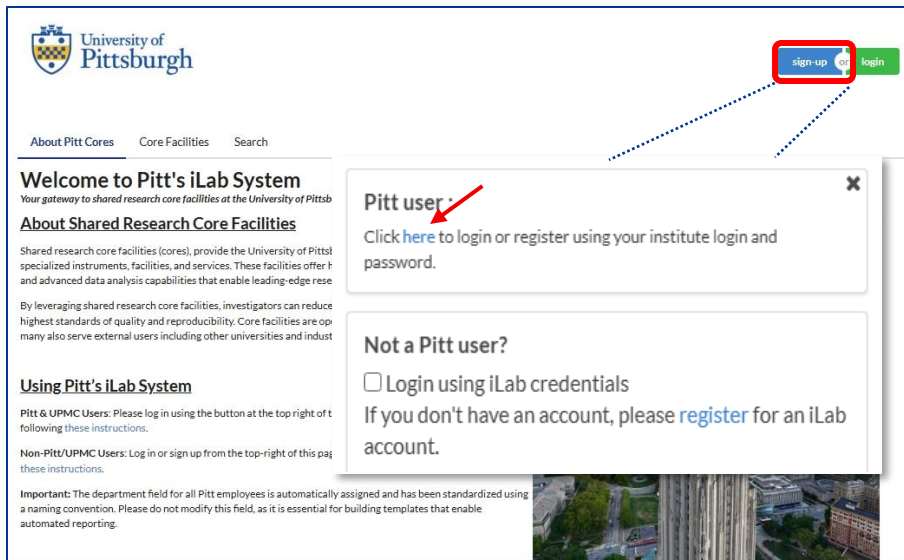
- The owner of the account number must approve the access.
- Finally, the PI or manager must assign the account number to individual members.

▼ Pending Access Requests

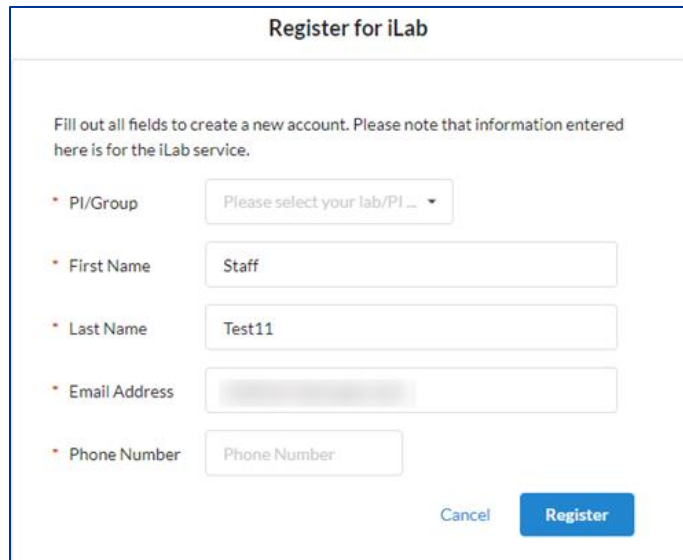
view all pending approved rejected

Created	Lab	Requestor	Fund Owner	Fund	Notes	Status	Actions
Mar 23 '20	(ND) Lab	iLab Admin (admin@ilabx.com) ()	Michelle	10000		pending	<input checked="" type="button" value="Approve"/> <input checked="" type="button" value="Reject"/>
Mar 23 '20	(ND) Lab	iLab Admin (admin@ilabx.com) ()	Charles	10001		pending	<input checked="" type="button" value="Approve"/> <input checked="" type="button" value="Reject"/>
Mar 03 '20	(ND) Lab	iLab Admin (admin@ilabx.com) ()	Jennifer	40000		pending	<input checked="" type="button" value="Approve"/> <input checked="" type="button" value="Reject"/>

Getting Started with iLab: All Other Users



The screenshot shows the University of Pittsburgh iLab System homepage. At the top right, there are 'sign-up' and 'login' buttons. A red box highlights the 'sign-up' button, with a red arrow pointing to it. A modal dialog is open in the center, titled 'Pitt user:'. It contains the text: 'Click [here](#) to login or register using your institute login and password.' Below this, there is a section titled 'Not a Pitt user?' with a checkbox labeled 'Login using iLab credentials' and the text: 'If you don't have an account, please [register](#) for an iLab account.'



The screenshot shows the 'Register for iLab' form. It includes the following fields and instructions:

- Fill out all fields to create a new account. Please note that information entered here is for the iLab service.
- PI/Group: Please select your lab/PI ... (dropdown menu)
- First Name: Staff
- Last Name: Test11
- Email Address: (empty field)
- Phone Number: Phone Number (empty field)

At the bottom right, there are 'Cancel' and 'Register' buttons.

- Navigate to <https://pitt.ilab.agilent.com>, click sign-up and login via Pitt's SSO
- Select the appropriate PI/Group from the drop-down menu
- PI or lab/group manager must approve request and assign account numbers

Agenda

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- ➔ • Using Core Facilities in iLab
- Help Resources
- Q&A Session

Using Core Facilities: iLab Home Page

- Equipment Search & Recently Used Equipment
- Access to Core Facilities list
- Your personal reservations & requests
- View messages

Agilent CrossLab | iLab Operations Software

Search... Go Kelley Moremen

Home
Communications (3)

Core Facilities
My Reservations (1)
View Requests
View Funds

Reporting

Manage Groups
My Group
People Search

Getting started

Home

Equipment Search
Search equipment and resources at your institutions...

Recently Used Equipment
Dissecting Microscope M125 - Room 100

3 unread messages

1 researcher is seeking access to 1 lab you manage

Service Requests

Name	Owner	Total Price	State
PF-MA-2 Miscellaneous -	Mark Abbe	\$221.00 (\$221.00)	Needs payment info
ECF-DE-35 Services -	Dolly Ferry	\$144.00 (\$144.00)	Waiting for Financial Reapproval

Click the action buttons to resolve service requests that require your attention. Click the service request name to view the request details.

Two Common Ways to Use Core Facilities

Dietrich School Microscopy and Imaging Suite



[About Our Core](#) [Schedule Equipment](#) [Request Services](#) [View My Requests](#) [Contact Us](#)

Schedule Resources

[Go to Kiosk](#) [Timeline View](#)

Search Resources...

Q Search

Sputter Coater [description](#) [pricing](#)

A gold sputter coater for SEM sample preparation. This equipment is free to use when you use our SEM for imaging. All users must be trained first. Customers are encouraged to buy their own target other than gold.

[View Schedule](#)



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A fully automated inverted STORM/PALM super-resolution microscope. Four laser lines: 405, 488, 561, 647. Equipped with 2 cameras allowing simultaneous acquisition of two STORM channels. Resolution: 20 nm

[View Schedule](#)

[Request Training](#)



Nikon A1R Confocal & TIRF [description](#) [pricing](#)

A fully automated inverted confocal and TIRF system. Capable for live and fixed sample imaging

[View Schedule](#)

[Request Training](#)



High Throughput Genomics Core



[About Our Core](#) [Request Services](#) [View My Requests](#) [Contact Us](#) [PO \(0\)](#)

▼ Service Projects & Quote Requests

New Project/Consultation Request (New Project Consultation)

[request service](#)

Please use this form if you'd like to request information regarding a new project, have some general questions you'd like to discuss prior to submitting a formal request, would like a preliminary quote prior to project submission, or would like to schedule a consultation meeting.

QC Only Project Request (QC Only)

[request service](#)

Please use this form if you are submitting samples for QC Only, i.e. Fragment Analyzer, Fluor Quant (Qubit, Synergy, or Tecan), or QPCR.

Submitted Libraries Project Request (44948)

[request service](#)

Please use this form if you are submitting prepared libraries that you have prepared at your lab or another lab and you would just like the HTGC to perform QC and Sequencing of your libraries.

Let's follow one example through each workflow →

Requesting a Service – Example Workflow



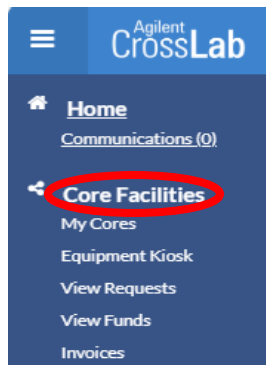
Ashley Torres

MD/DDS candidate
Domestic, non-Pittsburgh origin

B.S. Biology/Premed
Conducts human/animal subject research
Strong academic record
Clinical Exposure through rotations
New to Pittsburgh – navigating an unfamiliar institution and city

- Ashley is analyzing collected tissue samples as part of her research project.
- She needs the samples to be processed by a Histology Core.
- How she will use iLab:
 - Find a histology core facility
 - Submit a service request
 - Track request progress
- Ashley will represent researchers who need a service performed by a shared facility.

Requesting a Service – Example Workflow



Core Facilities

University of Pittsburgh

View: Cores at My Institutions | History

Core Name	Primary Contact	Email	Phone Number
University of Pittsburgh – Upper Campus			
McGowan Institute Core Histology Laboratory	Julia Hart	jr128@pitt.edu	412-624-5265
Rangos Histology Core	Riley Gedrys	pithistologycore@pitt.edu	
Research Histology - Pitt Biospecimen Core	Tony Green	greenag@upmc.edu	412-623-7898

Find a histology core facility

Agilent CrossLab | iLab Operations Software

history

Services & Equipment (12 result(s) matched "histology")

Hide Filters

Organizations

Core

☐ Pitt Biospecimen C... (6)

☐ McGowan Institute ... (5)

☐ Rangos Histology ... (1)

Type

Classifications

Apply Filters

Reset Filters

Service Equipment

Displaying 1-12 out of 12 result(s).

Sort by relevance

Cryo Histology Order

McGowan Institute Core Histology Laboratory

University of Pittsburgh

Upper Campus

Inquire

Go to core

Requesting a Service – Example Workflow

View project requests and service/price lists

[About Our Core](#) [Request Services](#) [View My Requests](#) [Contact Us](#)

▼ Service Projects & Quote Requests

Sort manually

▼ FFPE Histology Request (4)

FFPE Histology Order Form (FFPE Histology Request) [request service](#)

Use this form for formalin-fixed paraffin embedded (FFPE) tissue.

Deparaffinize Only (FFPE Histology Request) [request service](#)

Use this form when requesting deparaffinization of slides that have already been cut.

Xenium Slide Preparation (FFPE Histology Request) [request service](#)

Use this form when requesting Xenium slides.

Supa Mega (Large Format) Samples (FFPE Histology Request) [request project](#)

Use this request for samples that require embedding, cutting, or staining using Supa Mega cassettes and slides.

▼ Price List

Prices for services offered are listed below.

Please fill out a Request form above to start a project.

Search available services: [▶](#)

[▶ Cryo Processing & Embedding \(2\)](#)

[▶ Cryo Slide Cutting \(3\)](#)

[▶ IHC \(2\)](#)

[▶ Other Services \(4\)](#)

[▶ Paraffin Processing & Embedding \(4\)](#)

[▶ Paraffin Slide Cutting \(2\)](#)

[▶ Post-Processing Services \(3\)](#)

Requesting a Service – Example Workflow

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

View Form: FFPE Histology Order Form Not Started

Use this form for paraffin-embedded samples.
(FFPE=Formalin fixed, paraffin embedded tissue)

Submission Note: CORE STAFF WILL AGREE TO THE PROJECT IN ILAB AFTER SAMPLES ARE DROPPED OFF. A guide on how to fill out this form can be found under the "About Our Core" tab in iLAB.

Project Description:
Check Here for RUSH Project Request
Description of Work/ Notes:

Upload additional diagrams here: please upload

Specimen Information:

- ★ Species:
- ★ Organs:
- ★ Fixative:
- ★ Fixation Time:
- ★ Submitting
 - ☐ Blocks
 - ☐ Slides
 - ☐ Tissue/Device

Rush Service (25% Fee will be applied)

Save Progress

- Initiate a request
- Fill out core specific form(s)
- Select account number to charge
 - Reference codes entered manually (if applicable)

Payment Information

Please enter the Account Number (Ref Code)

% Account Number (Ref Code)

1 100.0 %

100.0%

enter additional p

Select Account Number...	Ref Code
05-35411-	Reovirus Neuropathogenesis (Expires on Jul 31, 2026)
05-35411-	Pediatric Disease (Expires on Nov 30, 2025)
05-35411-	Reovirus Infection (Expires on Dec 31, 2026)
05-35411-	Research Training Program (Expires on Apr 30, 2026)
05-35411-	Reoviridae Assembly Effects (Expires on Jun 30, 2026)
05-35411-	Pediatric Disease (Expires on Nov 30, 2026)
05-35411-	Research Training Program (Expires on Apr 30, 2027)
05-35411-	Enteric virus (Expires on Jun 30, 2026)
05-35411-	Role of gut protists in celiac (Expires on Jan 31, 2027)

Split Charge

draft request

Requesting a Service – Example Workflow

Track workflow in
'View My Requests' tab



Agilent CrossLab | iLab Operations Software

Search... Go Dana Wong Help Sign Out

About Schedule Equipment Request Services **View My Requests** Contact Us Reservations

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.](#)

◀ Hide Filters

▼ Keywords
[] Go

▼ Recurring Requests
☐ Recurring requests (0)
☐ Recurring requests needing re-approval (0)

▼ Status
☐ Financials Approved (13)
☐ Processing (20)
☐ Proposed (2)
☐ Researcher In Agreement (17)
☐ Service Center In Agreement (4)

► Category

► Labels

► Assigned To

► Lab

Displaying 30 out of 56 results. (Page 1 of 2)

← Previous 1 2 Next →

date	for	service id	status	cost
May 05 (May 05 2023)	Dana Wong Clark, Caren (UOW) Lab	CF-DW-239 New Project Request	Waiting for Core to Agree	\$5.00 (\$5.00)
May 02 (May 02 2023)	Dana Wong Clark, Caren (UOW) Lab	CF-DW-239 New Project Request	Processing	\$1.00 (\$560.50)
May 02 (May 02 2023)	Dana Wong Clark, Caren (UOW) Lab	CF-DW-238 New Project Request	Processing	iLab Admin \$1.00 (\$121.00)
Apr 17 (Apr 17 2023)	Dana Wong Clark, Caren (UOW) Lab	CF-DW-237 Consultation Request	Waiting for Core to Begin Phase 1 - Not started	\$0.00 (\$156.00)

The researcher has agreed to the work and projected cost. Next, the core must agree to the work and projected cost.

Reserving Equipment – Example Workflow



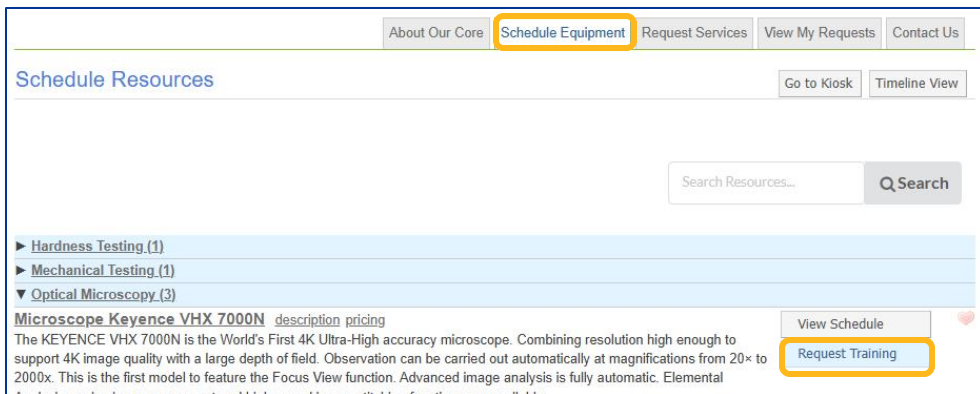
Min-jun Kim

2nd-year PhD student
Non-US origin

B.S. Engineering/Physics
Strong analytical and quantitative
foundation
Highly self-motivated
Limited prior access to advanced shared
instrumentation
Academia or industry R&D bound

- Min-jun is collecting microscopy images for his research project.
- He needs access to a specialized imaging instrument maintained by a core facility.
- How he will use iLab:
 - Find the appropriate core facility
 - sharedfacilities.pitt.edu/resources
 - Complete any required training or access steps
 - Reserve instrument time
 - (If applicable) Log time through iLab's kiosk interface
- Min-jun will represent researchers who primarily reserve and use shared equipment.

Reserving Equipment – Example Workflow



Navigation: About Our Core | **Schedule Equipment** | Request Services | View My Requests | Contact Us

Schedule Resources

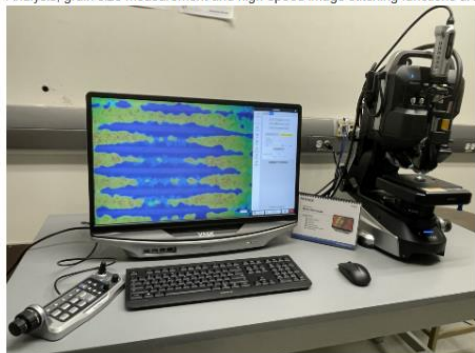
Search Resources... Q Search

► Hardness Testing (1)
► Mechanical Testing (1)
▼ Optical Microscopy (3)

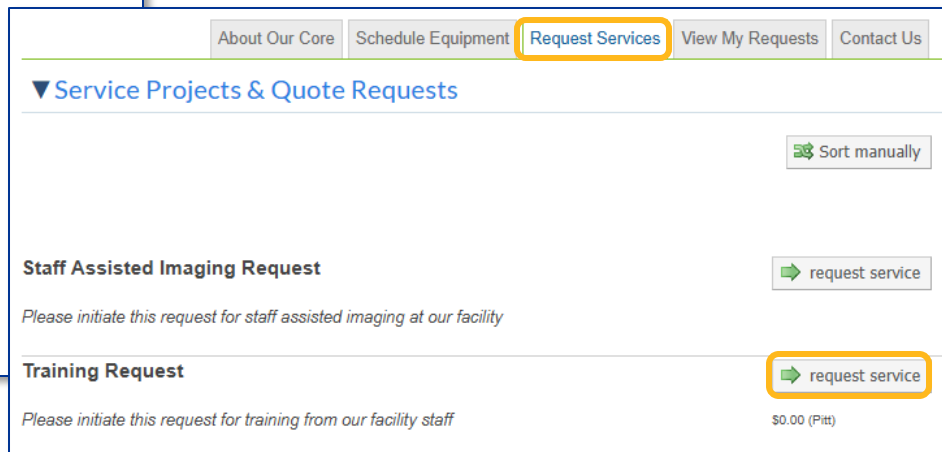
Microscope Keyence VHX 7000N [description](#) [pricing](#)

The KEYENCE VHX 7000N is the World's First 4K Ultra-High accuracy microscope. Combining resolution high enough to support 4K image quality with a large depth of field. Observation can be carried out automatically at magnifications from 20x to 2000x. This is the first model to feature the Focus View function. Advanced image analysis is fully automatic. Elemental Analysis, grain size measurement and high-speed image stitching functions are available.

View Schedule | **Request Training**



- Contact the core about equipment options, experimental design, etc.
 - Contact Us tab
 - Contact information on 'About Our Core' tab
- Request training for equipment – follow service request workflow



Navigation: About Our Core | Schedule Equipment | **Request Services** | View My Requests | Contact Us

▼ Service Projects & Quote Requests

Sort manually

Staff Assisted Imaging Request [request service](#)

Please initiate this request for staff assisted imaging at our facility

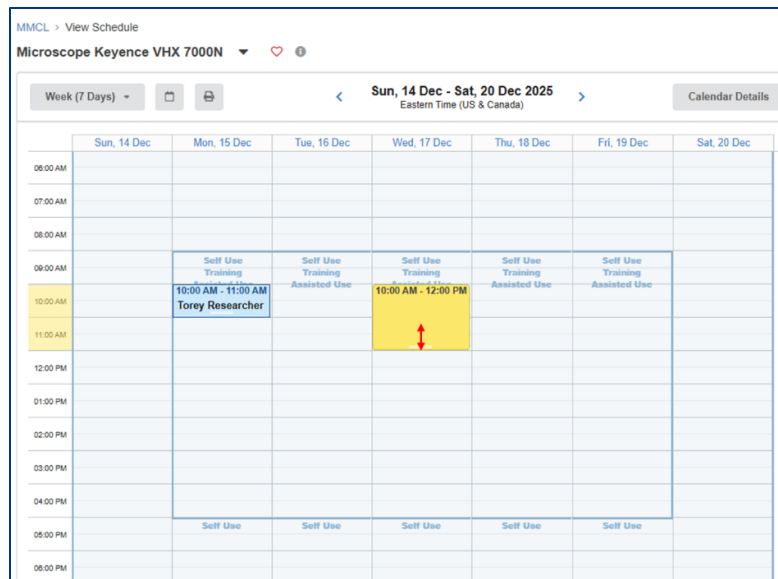
Training Request [request service](#)

Please initiate this request for training from our facility staff

\$0.00 (Pitt)

Reserving Equipment – Example Workflow

Core will grant access to schedule(s)



General Comments Contacts

Reservation details **Unsaved reservation - click save reservation** Required forms
For: Microscope Keyence VHX 7000N - Self Use \$15.00/hr (All Customers) - My Reservation
Lab: [Researcher Avva \(Testing\)](#)
Created on: December 12, 2025 15:23

Event Notes: note visible to any ☒ Copy notes to the charge and display on the invoice

Times
Start End
Scheduled Dec 17 2025 10:00 AM Dec 17 2025 12:00 PM

Use and cost of reservation

Duration	Effective Rate	Amount	Use Type
2.0 hours	\$15.00	\$30.00	Self Use Base Rate
2.0 hours	Total Cost	\$30.00	Pitt

Payment information
Please enter the Account Number (Ref Code)
1 100.0 % Account Number (Ref Code)
Select Account Number... Ref Code
Search for a Ref Code
100.0% Total Allocated
Use the same payment information for all add-on charges

Save Reservation Cancel Changes Delete Reservation

Enter any notes, adjust time, select account number

Reserving Equipment – Example Workflow

[About Our Core](#) [Schedule Equipment](#) [Request Services](#) [View My Requests](#) [Contact Us](#)

[Schedule Resources](#) [Go to Kiosk](#) [Timeline View](#)

[Q Search](#)

▶ Hardness Testing (1)

▶ Mechanical Testing (1)

▼ Optical Microscopy (3)

Microscope Keyence VHX 970 (Microscope Keyence VHX 970) - Min Jun Kim

Active

Finish

Log out & use equipment

Report a Problem

Scheduled

28 Aug 04:00 PM

28 Aug 06:00 PM

Logged

28 Aug 03:56 PM

3 hours left

ELAPSED TIME

00:01:23

Payment Information

Please enter the Account Number (Ref Code)

%

Account Number (Ref Code)

Min Jun Kim

Active Sessions

Microscope Keyence VHX 970 (Microscope Keyence VHX 970)

View

Kiosk interface logs real-time usage on existing reservations or walk-up sessions

Start Walkup Session

Refresh Sessions

My Kiosk Sessions

Time Scale: -24 hours to 24 hours

Start typing to filter sessions

Clear

Resource	Start	End	Actions
Microscope Keyence VHX 7000N (Microscope Keyence VHX 7000N)	27 Aug 04:00 PM	27 Aug 05:00 PM	Start
Microscope Keyence VHX 7000N (Microscope Keyence VHX 7000N)	28 Aug 10:00 AM	28 Aug 12:00 PM	Details

More efficient billing using logged time

All Workflows – View and Manage Invoices

Agilent
CrossLab

Home
Communications (0)

Core Facilities
My Reservations
View Requests
Invoices

Reporting

Manage Groups
My Group
People Search

Agilent
CrossLab

iLab Operations Software

Search...
Go

Gwen Taylor
Help
Sign Out

Invoices

Hide Filters

Keywords

Go

Total Cost Over

Owner

Owner Institution

Cores

Labs

Billing Event

Payment Number

Price Types

External

Approved By

Approval Status

Status

Invoices Sent

Receive Hard Copy

Dispute status

Detached

Refunds

Date Created

Get PDF of Invoices

Download Results as CSV

Displaying 7 out of 7 result(s). (Page 1 of 1)

Created On	Core	Invoice Number	Lab	Owner	Payment Numbers	Price Types	Total Cost	Past Due	Status	Approval Status		
Jul 01 '24	Cytometry Facility	CCFSBAB-40172	Dermody, Terence (PITT) Lab	Gwen Taylor		Pitt	\$220.00		Paid	not required		☐
Jun 28 '24	Cytometry Facility	CCFSBAB-40169	Dermody, Terence (PITT) Lab	Gwen Taylor		Pitt	\$2.00		Paid	not required		☐
May 09 '24	Core D Clinical Services	CDCS-39683	Dermody, Terence (PITT) Lab	Gwen Taylor		Pitt	\$30.00		Paid	required		☐
Mar 27 '24	Core D Clinical Services	CDCS-39498	Dermody, Terence (PITT) Lab	Gwen Taylor		Pitt	\$15,200.00		Paid	required		☐
Mar 27 '24	Core D Clinical Services	CDCS-39496	Dermody, Terence (PITT) Lab	Gwen Taylor		Pitt	\$4,155.00		Paid	required		☐
Mar 27 '24	Cytometry Facility	CCFSBAB-39495	Dermody, Terence (PITT) Lab	Gwen Taylor		Pitt	\$1,058.00		Paid	not required		☐
Mar 25 '24	Cytometry Facility	CCFSBAB-39471	Dermody, Terence (PITT) Lab	Gwen Taylor		Pitt	\$714.00		Paid	not required		☐

Agenda

- Introduction to RCFs and Pitt iLab System
- The Research Core Facility Web Site
- Getting Started with iLab
- Using Core Facilities in iLab
- ➔ • Help Resources
- Q&A Session

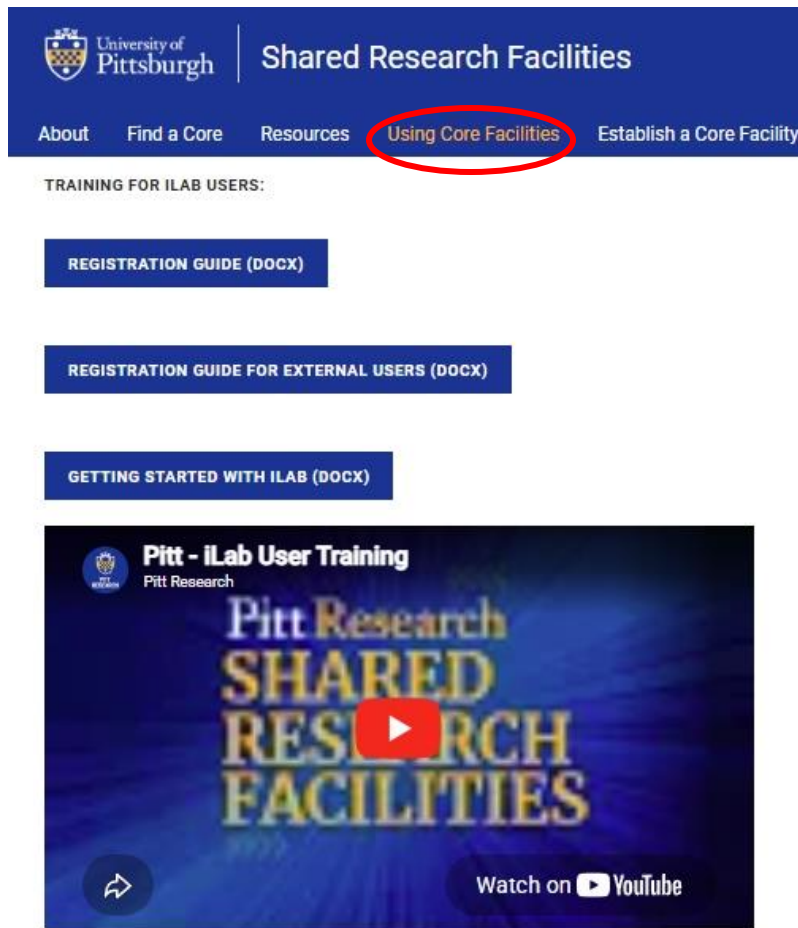
How To: Get Help

sharedfacilities.pitt.edu/using-core-facilities

- iLab Training Material organized by role (SOPs, videos); FAQ section

sharedfacilities.pitt.edu/contact

- For Facility Directors
 - Rcf-facility-directors@list.pitt.edu
- For Faculty Directors
 - Rcf-faculty-directors@list.pitt.edu
- For Lab Administrators
 - Rcf-lab-administrator@list.pitt.edu
- Migrating to iLab or General Questions
 - cores@pitt.edu



Agenda

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Save the date the Shared Research Showcase!

- Monday, October 19, 2026, 2:00 – 5:00 pm
- At the University Club
- Opportunity for researchers to meet with facility directors and learn about the breadth of tools available
- Will include games, prizes and appetizers!
- Pitt Research Branded
 - Fleece blanket
 - Stanley Mug
 - Duffle

Multiple Chances to Win!

