



THE UNIVERSITY OF ARIZONA

College of Medicine

Phoenix

iLab User Guide

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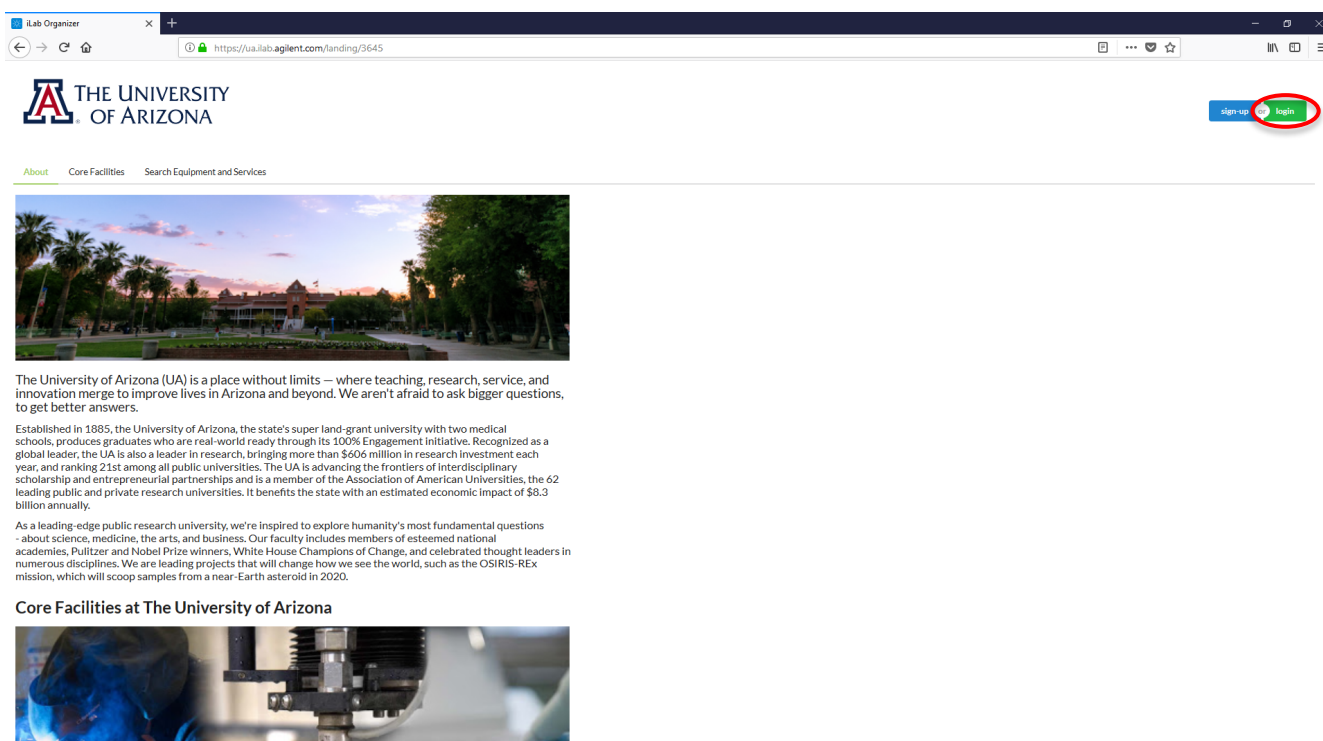
Overview & Registration

As of September 14, 2018, the Biomedical Imaging Core, Flow Cytometry Core, and Molecular Discovery Core are excited to begin using iLab - an online system to streamline the process of ordering services and scheduling instrumentation within core facilities.

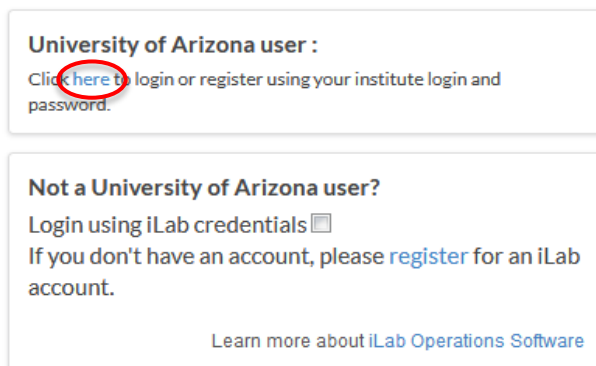
Users of these facilities are advised to familiarize themselves with the new system, which requires a one-time free registration, as described below. If you are a named PI on a current Sponsored Project Account in UAccess Financials, you have already been registered for an iLab account. Even if you do not use any of the facilities named above, you may want to get your financial accounts and research group members setup in the system now so you will be ready to access the services and instrumentation of facilities you use once they are live in the new system.

Step-by-Step Instructions to Register for an iLab Account with UA NetID

1. Navigate to the [login page](#) and click on the green 'Login' button at the top right of the screen.



2. In the pop up, click the 'here' hyperlink.



3. You will be directed to the WebAuth page where you will need to enter your NetID credentials and click the 'Login' button.
4. If you are setup for two-factor authentication, you will need to provide authentication via the Duo-Mobile application.

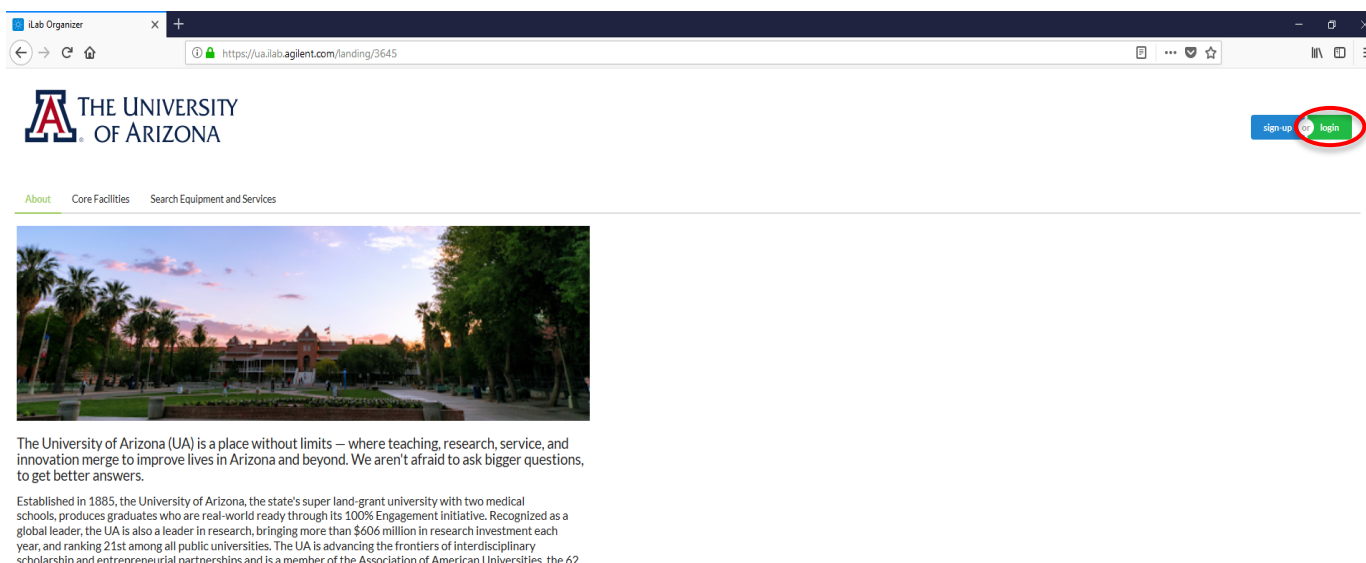
You will bypass steps 3 and 4 if you are already logged into a U of A system via WebAuth.

5. If you do not already have an account, you will be directed to an iLab Registration page where you will need to select your PI/Lab, and verify your contact information. You can be added to additional PI's labs later, as necessary.
6. Once your registration has been submitted, your PI will receive a notification that you have requested membership to their lab within iLab. They will need to approve your membership and assign at least one financial account for you to be able to request services or schedule time on instrumentation.

The first time you login to iLab after being accepted into your PI's lab you will need to set your time zone. Please set this as Arizona so that you are in sync with the equipment calendars. You will also have the opportunity to set your preferred email address for messages from this system. Once you have set these as appropriate click the 'Set' button. The changes will be registered to your account the next time you log out and log back in.

Step-by-Step Instructions for External Customers to Register for an iLab Account

1. Navigate to the [login page](#) and click on the green 'Login' button at the top right of the screen.



2. In the pop up, click the 'register' hyperlink.

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

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

[Learn more about iLab Operations Software](#)

3. Complete the registration form that you are directed to. **Note; there are multiple tabs to complete.**

Register — iLab


https://ua.ilab.agilent.com/account/3645/signup

THE UNIVERSITY OF ARIZONA Already have an account? [Sign In](#) English

Start Personal Information **Group Associations** Billing Information

You are requesting access to the
The University of Arizona 's service centers.

* Please enter your institution email address

I'm not a robot  reCAPTCHA
Privacy - Terms

I agree with iLab's [privacy](#) and [security](#) policies

4. You will receive a *Welcome Email* containing the login credentials for your new iLab account, typically within one business day.

The first time you login to iLab after having your account setup, you will need to set your time zone. Please set this as Arizona so that you are in sync with the equipment calendars. You will also have the opportunity to set your preferred email address for messages from this system. Once you have set these as appropriate, click the 'Set' button. The changes will be registered to your account the next time you log out and log back in.

How-To

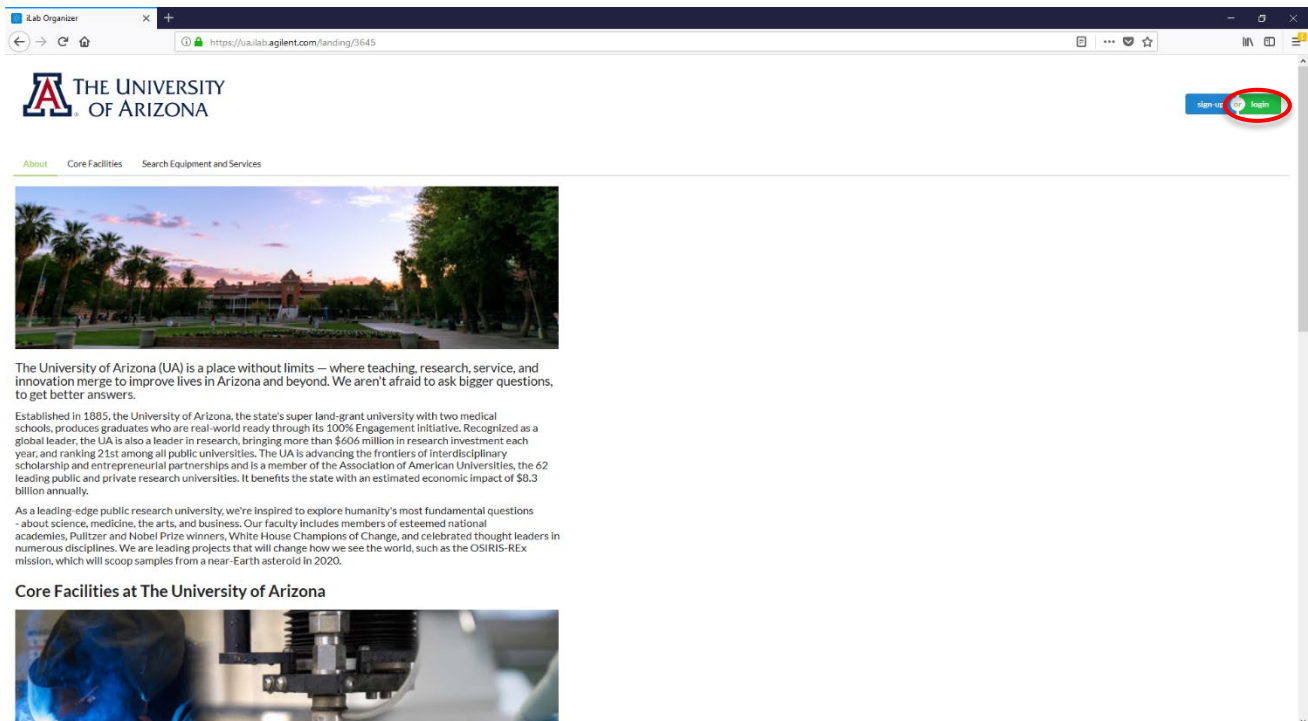
Regardless of your role in the various lab groups within iLab to which you may belong, you will need to know how to login, reserve equipment and request services within the new system. The following sections provide general step-by-step instructions on these processes. Because workflows vary from facility to facility, some cores will have minor variations in their processes that the core staff can assist you with, if necessary.

Video for General User Processes

[Watch a video that walks you through the processes of reserving equipment and requesting services](#)

Logging In

1. Navigate to the [login page](#) and click on the green 'Login' button at the top right of the screen.



- In the pop up, click the 'here' hyperlink.

University of Arizona user :

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

Not a University of Arizona user?

Login using iLab credentials

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- You will be directed to the WebAuth page where you will need to enter your NetID credentials and click the 'Login' button.
- If you are setup for two-factor authentication, you will need to provide authentication via the Duo-Mobile application.

You will bypass steps 3 and 4 if you are already logged into a U of A system via WebAuth.


On initial login, you will be asked to set your time zone. Please set this as Arizona so that you are in sync with the equipment calendars, and then click 'Set.' The change will be registered to your account the next time you log out and log back in.

Creating an Equipment Reservation

Once you have been accepted into a lab group and assigned a UAccess Financials account number, you can schedule equipment time.

- [Login to iLab.](#)
- Navigate to the core that houses the equipment you wish to schedule.
- Select the *Schedule Equipment* tab and click on the 'View Schedule' button next to the instrument of interest. Click and drag on the time frame for your reservation.

Translational Bio Imaging Resource



[About Our Cores](#) | [Schedule Equipment](#) | [Request Services](#) | [View All Requests](#) | [Reservations](#) | [People](#) | [Reporting](#) | [Billing](#) | [Administration](#)

Schedule Resources

[Go to Kiosk](#) | [Confirm Usage](#) | [Message Customers](#) | [Download usage tracker client](#) | [More](#)

Click [here](#) to access the Translational Bio Imaging Resource Equipment Kiosk.

Trained Users -

To make a reservation:

- Click on the instrument name or on the 'View Schedule' button on the far right.
- On the calendar interface click and drag to reserve a time slot for the day and time desired
- Fill out all the required information in the 'Reservation details' window
- Click on the 'Save' button.
- Please contact [Charles "Pier" Ingram](#) if you need to access the facility after hours.

Untrained Users - please click on the 'Request Training' button on the far right of the instrument name, fill out all the required information and Submit the request.


▶ [Human and Large Animal MRI \(1\)](#)

▶ [Small Animal MRI \(1\)](#)

▼ [High Resolution Ultrasound \(3\)](#)

VisualSonics Vevo 3100 description pricing

With a powerful combination of high frame rates and advanced image processing, the Vevo 3100 reduces speckle noise and artifacts while preserving and enhancing critical information for small animal in vivo studies.



Overall Benefits

- Vevo HD - Visualize your data like never before
- Intuitive touchscreen interface for all user types
- Customizable workflow for rapid data acquisition
- Anatomical, hemodynamic, functional, and molecular data all in one platform
- Compact, maneuverable system
- Hands-free scanning using Vevo Voice
- State-of-the-art Ultra High Frequency - up to 70 MHz
- Photoacoustic imaging using the LAZR-X cart
- Resolution down to 30 µm

View Schedule

Request Training

Review Usage

Upload Usage

Take Offline

4. A window will pop up that will allow you to verify your reservation details and provide payment information before saving the reservation. Payment information is required to schedule equipment.

Creating a Service Request

Once you have been accepted into a lab group and assigned a UAccess Financials account number, you can create service requests.

1. [Login to iLab](#).
2. Navigate to the core that provides the services you wish to request.
3. Select the *Request Services* tab and click on the 'Request Service' button next to the service of interest.

The screenshot displays the Functional Genomics Core website. At the top right is the University of Arizona logo. Below it is a navigation menu with buttons for 'About Our Core', 'Schedule Equipment', 'Request Services' (circled in red), 'View My Requests', and 'Contact Us'. A dropdown arrow is visible next to 'Request Services'. On the left side, there is a navigation menu with a dropdown arrow next to 'Service Projects & Quote Requests'. The main content area lists four services, each with a 'request service' button (circled in red) and a price of '\$0.00 (For-Profit)':

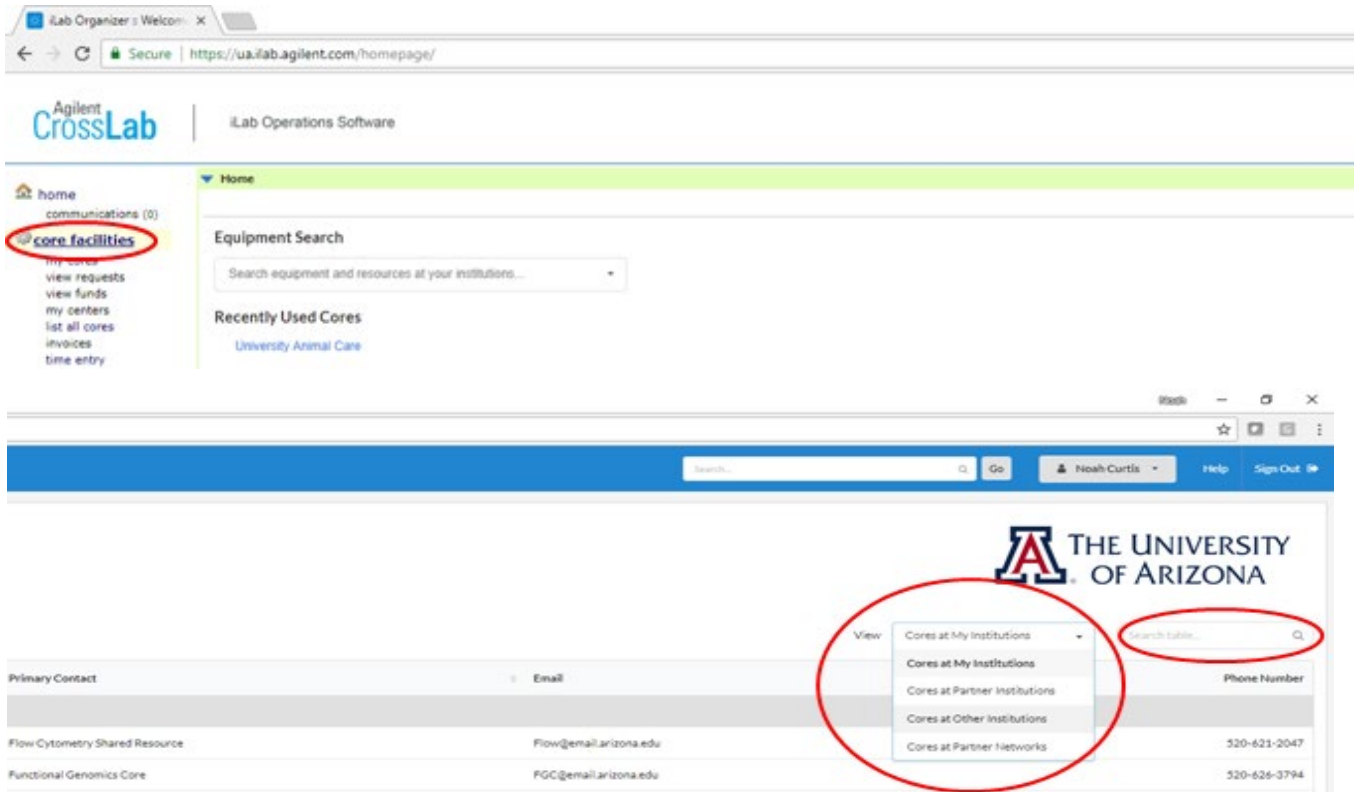
- Compound Screening**: The FCG works with investigators to perform all necessary assay optimization and validation. The FCG staff then translates the protocol into a high throughput workflow on our liquid handling workstation and works with the researchers to perform their compound screen. The primary limit on the throughput of the screen is the speed of the assay. Simple fluorescence based assays can be read on our BioTek Synergy 2 or our Altune flow cytometer, while complex cell phenotyping can be performed on our Operetta CLS.
- Custom Molecular Biological Pipelines**: Our staff will program our Biomek FX to automate your pipetting tasks. We can automate your molecular biological protocols. Our robot can be programmed to conduct very complex procedures with an unsurpassed level of reproducibility and precision.
- Microbial Deletion Library Screening**: Our staff will work with you to perform yeast or other microbial deletion library screening. With our Singer RoToR HDA microbial arraying robot we are able to transfer microbial colonies in agar or liquid media from to agar or liquid media in formats from 96 well up to 6144 well. We can use our Biomek FX robots to reformat, or cherry pick custom sub-libraries. We can use our BioTek Synergy 2 or our Altune flow cytometer for simple assays, while complex cell phenotyping can be performed on our Operetta CLS.
- RNAi Screening**: The FCG has purchased the Ambion Complete Human Genome Silencer Select siRNA library. This library contains three constructs per target (64,752 constructs). The Ambion Silencer Select siRNAs are designed using their most advanced algorithm developed using a machine learning approach. In addition the siRNAs are chemically modified to enhance guide strand bias. This has the effect of maximizing siRNA silencing potency and for decreasing passenger strand related off-target effects. We will be happy to work with you to optimize the transfection protocols for your system and perform screens of the full genome library or cherry pick custom sub-libraries.

4. You will be asked to complete a form and provide a financial account number before submitting the request to the core. Payment information is required to request services.
5. Your request will be pending review by the core. The core will review your request and either agree to the work or they will ask for more information if needed.

Locating the Phoenix Biomedical Cores

For external users or users already registered in iLab having trouble locating the Phoenix Biomedical Cores

1. Log in to iLab
2. Click the 'core facilities' link on the left side of the screen



4. The User should then be able to run a search for “The University of Arizona” in the search field (also circled above) and a list of our cores will be displayed. They can then simply click on the name of the core they wish to visit, and the system will take them there.