

Log into iLab and look for the CCR Microscopy Core or bookmark our iLab website

https://nci.corefacilities.org/service_center/show_external/6531/the_ccr_microscopy_core

- Sign in using your PIV card and NIH Staff SSO credentials

ilab Organizer - CCR Microscopy

https://nci.corefacilities.org/service_center/show_external/6531/the_ccr_microscopy_core

NIH

NATIONAL CANCER INSTITUTE
Center for Cancer Research

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About

CCR Microscopy Core

Overview of Services

Core Mission
The CCR Microscopy Core is dedicated to supporting the microscopy and digital imaging needs of investigators studying the biological structures and cellular processes central to cancer research. By providing cutting edge imaging technologies—including confocal, two-photon, super-resolution Airyscan and Structured Illumination (SIM), and Lightsheet microscopy—the Core offers expert consultation in experimental design, sample preparation, image data processing, and analysis. We emphasize training users to become independent in utilizing advanced imaging methods while offering assistance at all stages of their experiments. Through diverse imaging resources, technical expertise, and exceptional customer service, we aim to empower investigators to advance their cancer research.

Leadership

Michael Kruhlak, Ph.D.	Director
Langston Lim, M.Sc, M.B.A.	Support Staff
Andy Tran, Ph.D.	Support Staff

Location and hours of operation

Hours 24/7 8 hours, 5 days a week	Location 37 Convent Drive NIH Bethesda, MD 20892
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Links and Resources

- <https://confocal.ccr.cancer.gov/ccmc/>

Contacts

Name	Role	Phone	Email	Location
Michael Kruhlak, Ph.D.	Head of Core Facility	240-858-3342	kruhlakm@nih.gov	Building 37, Room B114
Langston Lim, M.S., M.B.A.	Core Facility Support Staff	240-760-6927	Langston.Lim@nih.gov	Building 37, Room B114D
Andy Tran, Ph.D.	Core Facility Support Staff	240-760-6733	andy.tran2@nih.gov	Building 37, Room B114F

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Go to the Schedule Equipment Tab

- The microscopes and image analysis workstations will be listed
- Click on the link for microscope or workstation you would like to reserve, for example the Leica Stellaris 8 FLIM

The screenshot displays the Agilent CrossLab iLab Operations Software interface. The top navigation bar includes the Agilent CrossLab logo, a search bar, and user information for Michael Kruhlak. The main header identifies the 'CCR Microscopy Core' and the 'National Cancer Institute Center for Cancer Research'. A secondary navigation bar contains tabs for 'About Our Core', 'Schedule Equipment' (which is highlighted), 'Core Staff Only', 'Reservations', 'People', 'Reporting', 'Billing', and 'Administration'. Below this, a 'Schedule Resources' section features a search bar and a 'Q Search' button. A list of resources is shown, each with a title, a description, and a list of capabilities. An orange arrow points to the 'Leica Stellaris 8 FLIM' resource. To the right of each resource is a vertical menu with options: 'View Schedule', 'Review Usage', 'Upload Usage', and 'Take Offline'. The 'Leica Stellaris 8 FLIM' resource is described as having no charge for use and lists capabilities such as inverted Leica DMi8 microscope, 5 HyD detectors, confocal and FALCON FLIM imaging modes, and various objective lenses.

Agilent CrossLab | iLab Operations Software

Search... Products Q Go Michael Kruhlak Help Sign Out

CCR Microscopy Core

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About Our Core Schedule Equipment Core Staff Only Core Staff Only Reservations People Reporting Billing Administration

Timeline View Confirm Usage Message Customers More

Search Resources... Q Search

Leica Stellaris 5 STED description (There is no charge for the use of this resource)

- Inverted Leica DMi8 microscope
- 4 HyD S detectors and 1 HyD X STED detector for imaging
- Confocal and STED Super-resolution imaging modes (TauSTED)
- 405nm and White Light Laser for excitation (485 to 685 nm) for confocal imaging
- 775nm STED depletion laser
- 10x, 20x and 40x objective lenses
- 100x objective lens for STED imaging
- Adaptive Focus Control
- Super Z Galvo Stage

Leica Stellaris 8 FLIM description (There is no charge for the use of this resource)

- Inverted Leica DMi8 microscope
- 5 HyD detectors (2 HyD S, 2 HyD X, and 1 HyD R detectors)
 - HyD X detectors are used for FLIM imaging
- Confocal and FALCON FLIM imaging modes
- TauGating imaging modes
- Galvo and Resonant Scanners
- 405nm and White Light Laser for excitation (445 to 785 nm); Extended wavelength range for multi-channel and spectral confocal imaging
- 5x, 10x, 20x air, 20x multi-immersion, 40x and 63x objective lenses
- Adaptive Focus Control
- Super Z Galvo Stage
- Fluorescence lifetime gated imaging to reduce background autofluorescence and fluorophore separation (Tau-gating, Tau-separation)
- FALCON FILM

Nikon SoRa Spinning Disk description (There is no charge for the use of this resource)

Capabilities:

- Inverted microscope
- Photo-metrics BSI sCMOS camera
- Yokogawa SoRa CSU-W1 spinning disk unit
- Super-resolution, confocal and wide-field imaging modes
- 4x, 10x, 20x and 60x objective lenses
- Mad City Labs 500 mm piezo stage
- Tokai Hit stage top incubator for live cell imaging

Lasers:

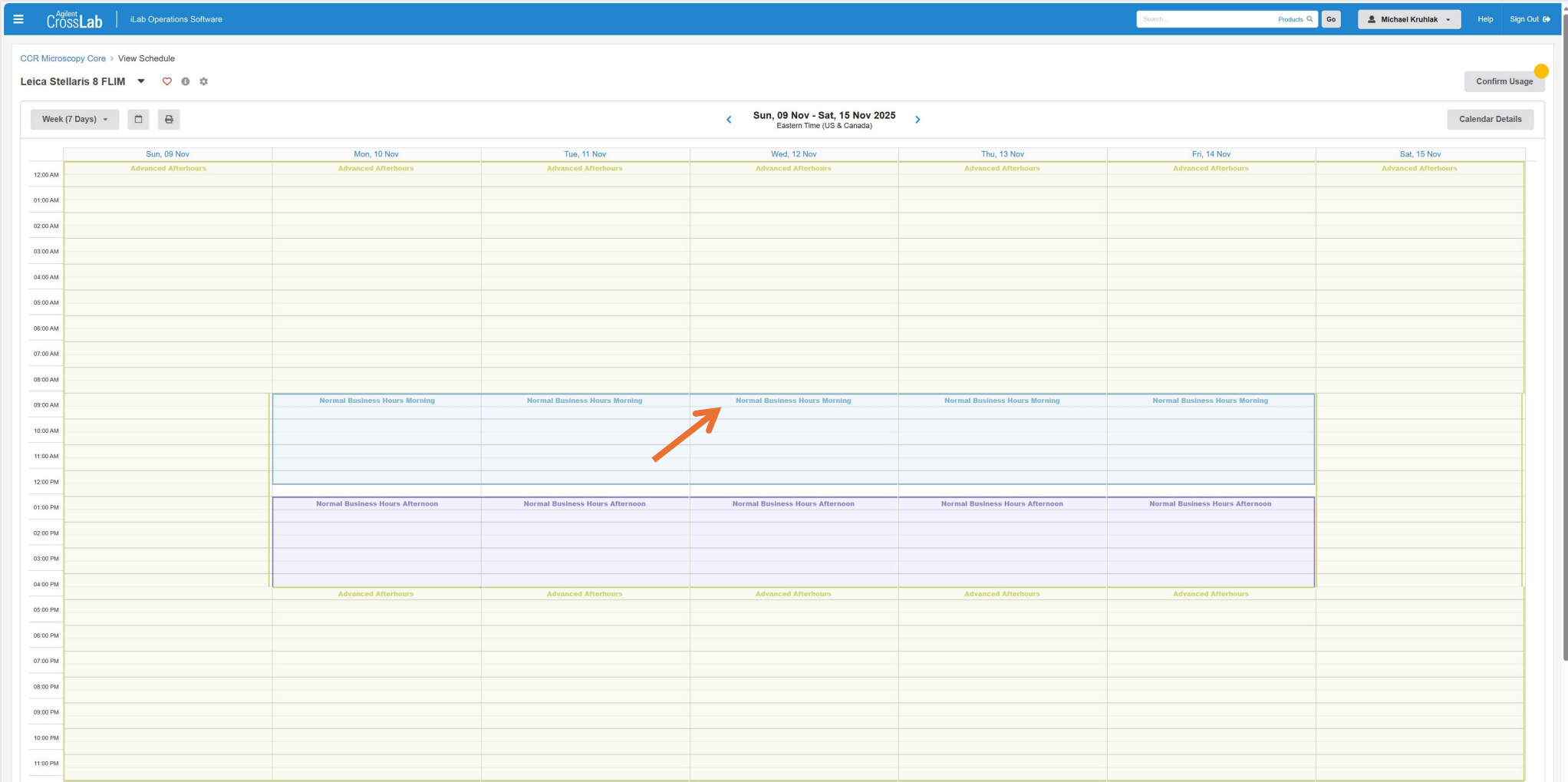
- 405 nm Diode laser
- 445 nm Diode laser
- 488 nm Diode laser
- 514 nm Diode laser
- 561 nm Diode laser
- 594 nm Diode laser
- 638 nm Diode laser

Zeiss LSM880 Airyscan description (There is no charge for the use of this resource)

- Inverted microscope
- GaAsP spectral detector for confocal imaging

View Instrument Schedule

- Here you can view the schedule of the specific microscope or workstation and whether it has already been reserved on certain dates and times
- During normal working hours there are two reservations time slots available, Normal Business Hours Morning (9am-12:30pm) and Normal Business Hours Afternoon (1-4:30pm). All users that have been trained on the specific microscope will be able to reserve the instrument during normal business hours
- Afterhours reservations are available for advanced users and require an additional training level
- To create a new reservation double click on the day and time slot that you wish to reserve



View Instrument Schedule

- Choose your name from the Create Reservation pop-up window and click Next

CrossLab

iLab Operations Software

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Products

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Michael Kruhlak

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>

View Schedule

Leica Stellaris 8 FLIM

Confirm Usage

Week (7 Days)

<

Sun, 09 Nov - Sat, 15 Nov 2025

>

Calendar Details

	Sun, 09 Nov	Mon, 10 Nov	Tue, 11 Nov	Wed, 12 Nov	Thu, 13 Nov	Fri, 14 Nov	Sat, 15 Nov
12:00 AM	Advanced Afterhours	Advanced Afterhours	Advanced Afterhours	Advanced Afterhours	Advanced Afterhours	Advanced Afterhours	Advanced Afterhours
01:00 AM							
02:00 AM							
03:00 AM							
04:00 AM							
05:00 AM							
06:00 AM							
07:00 AM							
08:00 AM							
09:00 AM		Normal Business Hours Morning				Normal Business Hours Morning	
10:00 AM							
11:00 AM							
12:00 PM							
01:00 PM		Normal Business Hours Afternoon				Normal Business Hours Afternoon	
02:00 PM							
03:00 PM							
04:00 PM		Advanced Afterhours	Advanced Afterhours	Advanced Afterhours	Advanced Afterhours	Advanced Afterhours	
05:00 PM							
06:00 PM							
07:00 PM							
08:00 PM							
09:00 PM							
10:00 PM							
11:00 PM							

09:00 AM - 09:15 AM Create Reservation

Event Type

Reservation

Search within:

☒ Current Customers

☐ This institution

☐ All

Customer

type in the person's first name then last name for whom you'd like to create a reservation

Cancel

Next

Microscope Reservation Details Window

- Fill in the information for the microscope reservation including the information for the Required forms, such as Live or Fixed and Fluorophores
- For the morning time slot please edit the scheduled start time to begin at 9am. The End time will auto-populate
- For the afternoon time slot please edit the scheduled start time to begin at 1pm. The End time will auto-populate
- We do not bill for microscope time. Please disregard the Use and cost of reservation info displayed
- When do click on the Save Reservation button near the bottom left of the window

GeneralCommentsContacts

Reservation details Unsaved reservation - click save reservation

You have scheduled a reservation that is less than the minimum allowed time on this equipment.
Your reservation has been automatically adjusted to meet that minimum.

For: Leica Stellaris 8 FLIM (logged time) - no availability - My Reservation
Lab: [Kruhlak, Michael \(NHLBI-NCI\) Lab](#)
Created on: November 21, 2025 13:40

If you are reserving the morning session please edit the start time to 9am
If you are reserving the afternoon session please edit the start time to 1pm

Event Notes:

note visible to anyone

☒ Copy notes to the charge and display on the invoice

Times

	Start	End	
Scheduled	Nov 12 2025 09:00 AM	Nov 12 2025 12:30 PM	
Logged	Nov 12 2025 09:00 AM	Nov 12 2025 12:30 PM	
Billable	Nov 12 2025 09:00 AM	Nov 12 2025 12:30 PM	

Use and cost of reservation

Duration	Effective Rate	Amount	Use Type
3.5 hours	n/a	=	no price
3.5 hours	Total Cost	\$0.00	

>Pricing Details

Additional charges for this event

Add additional service charge

Payment information

Please enter the po number.
You will have the opportunity to review the quote before being billed.

po number

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

Save Project

Save Reservation

Cancel Changes

Delete Reservation

Required forms

Please fill in the required fields

★ Live or Fixed (Required)

☐ Fixed
☒ Live - Incubation
☐ Live - No Incubation

★ Fluorophores (Required)

Additional Optical Configuration (Optional)

☐ Multi-Well Plate
☐ Transmitted Light -DIC

Comments or Requests (Optional)

lock and save form

Save Progress

Microscope Reservation Added to Schedule Calendar

- Your microscope reservation will now appear in the calendar in the Instrument Schedule
- You can modify and/or cancel the reservation up to 24 hours before the reservation begins by double-clicking on your reservation in the calendar.
- Please contact the core staff if you need to cancel your appointment with less than 24 hours before it is scheduled to begin

