

Featured Project: RNA Seq and Next-Gen Related Services

1. After creating an account and logging in, navigate to our core by clicking “list all cores”, then selecting ICBR Gene Expression & Genotyping.

The screenshot shows the iLab/CrossLab system interface. The 'Core Facilities' page lists various cores. The 'ICBR Gene Expression & Genotyping' core is highlighted with a pink circle. The table below shows the details of the cores.

Core Name	Primary Contact	Email	Phone Number
University of Florida			
CTSI Regulatory Knowledge and Research Support Program	RKRS Support	CTSI-RKRS-L@lists.ufl.edu	352-265-8909
University of Florida — ICBR			
ICBR Bioinformatics	W. Brad Barbazuk	bbarbazuk@ufl.edu	(352) 273-8624
ICBR Business Services	Heather Voet	hvoet@ufl.edu	(352) 273-9461
ICBR Cyberinfrastructure	Jeremy Jensen	jeremy.jensen@ufl.edu	(352) 273-9274
ICBR Cytometry	Andria Doty	sun30@ufl.edu	(352) 273-8186
ICBR Electron Microscopy	Paul Chipman	pchipman@ufl.edu	(352) 294-1790
ICBR Gene Expression & Genotyping	Yanping Zhang	yanp@ufl.edu	(352) 273-8043
ICBR Lab Classrooms	Nadia Clark	ndclark@ufl.edu	(352) 273-5217
ICBR Monoclonal Antibody	Angel Sampson	angel.sampson@ufl.edu	(352) 273-8039
ICBR NextGen DNA Sequencing	David Moraga	moraga@ufl.edu	(352) 273-8053

2. After clicking on the core, navigate to the “Request Services” tab where you will see a list of our services offered.

The screenshot shows the 'ICBR Gene Expression & Genotyping' page. The 'Request Services' tab is highlighted with a pink circle. The page displays instructions for requesting services, shipping information, and a list of available services.

INSTRUCTIONS: Please click open the Project category of interest (e.g. Microarray) to view more information about the project. **Click on the request service button to the right of the project request** (e.g. Affymetrix Full Service) to complete and submit the project request form.

SHIPPING INFORMATION:
 Samples can be delivered in person (ICE/DRY ICE), shipped to ICBR (preferably via FedEx on dry ice), or dropped off at our drop off refrigerator. ICBR does not recommend that samples requiring extreme conditions or immediate assistance be left in the sample drop off refrigerator.
 Drop off refrigerator (ONLY FOR BIOANALYZER/TAPESTATION and FRAGMENT ANALYSIS SAMPLES) is located in the ICBR Room 185, on the right hand side.
 If a sample is being shipped, please make sure that it will not arrive on a day that ICBR is closed (weekends and UF holidays). ICBR recommends that samples are shipped at the beginning of the week, to allow time for them to arrive before the weekend.

SHIPPING ADDRESS:
 UF ICBR GENE EXPRESSION
 2033 Mowry Road, Room 178B
 University of Florida
 Gainesville, FL 32610
 ATTN: Yanping Zhang, PhD

Special Instructions: Be sure to label the box as temperature sensitive. Please include any necessary or significant additional information

Available Services:

- Antibody Sequencing (1)
- Cell Line Authentication (Human) (1)
- Custom Project (1)
- Digital PCR Analysis (1)
- Genotyping (3)

3. Scroll to the category of the project you want, and click the triangle to drop down more information. Select “Initiate Request” after reviewing the description and ensuring this is the correct project.

facilities.org/sc/3299/icbr-gene-expression-genotyping/?tab=services

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▼ Project Requests

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- ▶ Antibody Sequencing (1)
- ▶ Cell-Line Authentication (Human) (1)
- ▶ Custom Project (1)
- ▶ Digital PCR Analysis (1)
- ▶ Genotyping (3)
- ▶ Microarray (4)
- ▶ RNA DNA QC (3)
- ▶ RNASeq & NextGen Related Services (1)

RNASeq/Target Enrichment (RNASeq & NextGen Related Services)

RNA-Seq is a powerful research tool for expression and variant analysis. Its' application includes quantifying mRNA abundance; determining the transcriptional structure of genes: start sites, 5' and 3' ends, and splicing patterns; comparably detecting the changing expression levels of each transcript during development and under different conditions. It picks up all sequences that are present in the cell, regardless of their annotation status.

Gene Expression Core offers RNA-Seq library construction for all NextGen sequencing platforms: Illumina HiSeq, MiSeq, Applied Biosystem, and Ion Torrent. Sequence can be done by ICBR NextGen Sequencing Core.

We also offer Agilent's SureSelect Target Enrichment platform which allows you to focus your NextGen sequencing workflow on key genomic regions of interest while reducing cost per sample. Other NextGen relative services include cDNA library construction, normalization and rRNA depletion (Ribominus). If requested, we will directly delivery the libraries to our ICBR NextGen Sequencing Core with an e-mail notification to you. Otherwise the library will be return to you.

- ▶ Sample Prep (1)
- ▶ Sequencing Load Only (1)

[Initiate request](#)

4. Type your name into the search bar, your institution/lab should appear as well. Select it and click “Proceed.”

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ILab Operations Software

[system upgrades \(Oct. 2017\)](#) | [HELP](#) | [my profile](#) | [logout Laura Hagerty](#)

[Search cores and services...](#) [Go!](#)

ICBR Gene Expression & Genotyping

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Fragment Analysis

person search within: ☐ current customers ☐ this institution ☒ all

Laura Hagerty ICBR Gene Expression & Genotyping Core (UF) Lab laura.hagerty@ufl.edu (352) 273-8055

[Proceed](#) [Cancel](#)

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5. Fill out the details of this form with all necessary information, and upload sample names in a worksheet format. Do not worry about the request name ICBR-GE-[CID], this will auto-complete upon submission.

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About Our Core Schedule Equipment **Request Services** View All Requests Reservations

RNAseq/Target Enrichment

Request Name:

Customer: Laura Hagerty Lab: ICBR Gene Expression & Genotyping Core (UF) Lab
Email: laura.hagerty@ufl.edu Phone: (352) 273-8055

Labels

1) Forms and Request Details

(see bottom of list to add items to this request)

View Form Library Construction Form Visible Not Started

Please complete the form below and click 'save completed form' to provide the core with details regarding your request. Required fields are marked by a red star.

Number of Samples:

Starting Material:

Please select the service(s) you would like to request:

- ☐ IDT Exome Capture
- ☐ Agilent SureSelect Target Enrichment
- ☐ cDNA library construction and normalization
- ☒ Illumina RNA-Seq libraries (Poly A)
- ☐ Illumina RNA-Seq library Prep for low input ribo-depletion or degraded RNA
- ☐ Illumina Small RNA library w/Barcode
- ☐ NEB Directional RNASeq Library preparation
- ☐ NEB Non-directional RNASeq Library preparation
- ☐ rRNAs Depletion
- ☐ No PolyA & No Ribo removal

Please select:

Kit provided:

Multiplex for Library Preparation:

NextGen Instrument:

Sequencing Run Format:

of Cycles:

Number of Runs/Lanes:

Would you like to request Data Analysis:

[Save Progress](#)

- Save your form if you have finished it, or save a draft to come back to later. Input your payment information, using the account or credit card that you would like to project billed to. When you are finished, either submit the request to our core, or save a draft if it is not complete.

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About Our Core Schedule Equipment **Request Services** View All Requests Reservations

Please save your form! [save completed form](#) [save draft of form](#) [lock and save form](#)

Task	Description	Note	Status	Actions
Schedule Consultation	description: click to edit	note: click to edit	Not Started	edit delete cancel
Receive Sample(s)	description: click to edit	note: click to edit	Not Started	edit delete cancel
Capillary Run	description: click to edit	note: click to edit	Not Started	edit delete cancel
Deliver Raw Data	description: click to edit	note: click to edit	Not Started	edit delete cancel

[add service](#) [add charge](#) [add form](#) [add milestone](#) [change order](#) [add event](#)

Build a quote, or add components to a new or running request using the 'add' links above.

2) Cost

Please provide the customer with a final quote for this request. The quote will be based on the services and charges you have added above and any "buffer" you have added. The "buffer" amount is for services or charges that you have not yet defined but that you expect to arise during the course of the request.

Add value or percent buffer:
as percentage %

Quote (total predicted cost):
\$ 0.00 (automatic total of any services, charges or buffer added to this request)

3) Payment Information

Please enter the UF Chartfield

[Select UF Chartfield...](#)

enter additional payment information

Skip approval? ☐

[submit request to researcher](#) [save draft request](#) [Cancel](#)

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7. You are now finished, and should receive an email from no-reply@ilabsolutions.com with a copy of your form and a GE-ID number which we will use to track your project. Please print the form and bring it with you when you deliver your samples.
8. Drop off your samples and form with GE-ID to ICBR Gene Expression & Genotyping Core, located in CGRC Room 178B. If you are shipping your samples, please be sure to include your name, your institution/lab, and GE-ID. We recommend sending temperature-sensitive samples on dry ice. Please clearly address the package as follows:

UF ICBR GENE EXPRESSION
2033 Mowry Road, Room 178B
University of Florida
Gainesville, FL 32610
ATTN: Yanping Zhang, PhD

If you have any additional questions, please feel free to contact our core at (352)-273-8036, or email us at ICBR-GeneExpression@ad.ufl.edu. Thank you!