

Stem Cell Spotlight Newsletter

November 2024

Thank you for your support as an SCRC member/associate. This SCRC newsletter provides updates, event details, and solutions to common administrative inquiries. Your input helps shape its content. Stay informed with valuable insights and tools to enhance our operations. For past newsletters, please visit this link: <https://stemcell.uci.edu/News/newsletters/index.php>

Funding Opportunities



CONGRATULATIONS!

UCI AWARDED \$4 MILLION CIRM SHARED RESOURCE LABORATORY NETWORK GRANT

Congratulations to Craig and the SRL team!

<https://news.uci.edu/2024/02/26/uc-irvine-advances-stem-cell-research-with-4-million-cirm-grant-for-shared-resources-lab/>

UCI AWARDED \$2 MILLION CIRM GMP FACILITY NETWORK GRANT

Congratulations to Aileen and the GMP team!

<https://news.uci.edu/2023/09/28/uc-irvine-named-one-of-cirms-cell-and-gene-therapy-manufacturing-facilities/>

**FUNDING OPPORTUNITIES IDENTIFIED BY OUR CORPORATE AND FOUNDATION RELATIONS TEAM
(SEE ATTACHMENT FOR MORE DETAILS)**

Contact Roxanne Ford (fordmr@uci.edu) and Marianne Smith (mrsmith1@uci.edu) with questions or for further details.

CIRM FUNDING OPPORTUNITIES

DISCOVERY programs: DISC0 submission deadline is February 6, 2025

<https://www.cirm.ca.gov/about-cirm/funding-opportunities-discovery-stage-research/>

Other CIRM funding is temporarily on hold during strategic funding allocation planning
New/revised funding opportunities are expected to be announced in the coming 2-3 months
Please check for the latest on the CIRM website below

<https://www.cirm.ca.gov/researchers/funding-opportunities/>

Research Finance Reminders

The research finance team would like to ensure that department PI's are aware of two important updates:



Timesheet Approval for GSRs:

Please be mindful that you might need to review and approve timesheets for the Graduate Student Researchers (GSRs). This is a crucial part of the administrative process, and your timely approval ensures that GSRs are compensated accurately.

Stipends for Training Program Trainees:

At the end of each month, trainees in our training programs will receive their stipends. If you are a trainee or if you have any questions regarding stipend payments, we kindly ask you to reach out to your PI or your fiscal officer for your program. We appreciate your attention to these important matters, and please do not hesitate to reach out to your fiscal officer if you require any clarification or further assistance.

Job Opportunities



TBA

Upcoming Events



HALLOWEEN EXTRAVAGANZA

Thanks very much to Monique and team for putting on such a great event!

SCRC COMMUNITY LECTURE SERIES

Experts share their groundbreaking insights and discoveries in the world of stem cell research.

2024 Registration Link: <https://app.smartsheet.com/b/form/224f63ec4981495db556d3454e9d1f80>

Tuesday, Nov. 26, 2024 - Minji Byun, PhD & Marie Strauss, "Growing Up and Growing Old: The Role of Epigenetics in Our Health"

2025 Registration Link: <https://app.smartsheet.com/b/form/0b2496ea892449d08507421d129b76fe>

Tuesday, Jan 14, 2025 – Nicole Sparks, PhD & Madeline Vera-Colon, "Stem Cells: A New Lens on Environmental Health Research"

Tuesday, Mar 4, 2025 – Brian Cummings, PhD & Jonathan Hasselmann, PhD, "Unlocking Hope: Using Stem Cells To Better Understand Traumatic Brain Injuries"

Tuesday, Apr 1, 2025 – Anne Calof, PhD & Stephenson Chea, PhD, "Using the Tools of Systems Biology to Trace the Origins of Birth Defects in Human Genetic Disease"

Tuesday, May 6, 2025 – Craig Walsh, PhD, "Harnessing Adaptive Immunity to Promote Tissue Regeneration in Neurodegenerative Diseases"

Tuesday, Sep 9, 2025 – Quinton Smith, PhD & Michael Hicks PhD, "From Petri Dish to Patients: Engineering Stem Cells for Clinical Application"

Tuesday, Oct 7, 2025 – Xing Dai, PhD & Christina Kraus, MD, "What's New in Research and Treatment of Vulvar Skin Disease?"

Tuesday, Nov 4, 2025 – Olga Razorenova, PhD "Finding Kidney Cancer Vulnerabilities By Synthetic Lethality Approach"

Tuesday, Dec 2, 2025 – Yongsheng Shi, PhD "RNA in Cell Fate Determination"

SCRC 12th ANNUAL STEM CELL SCIENCE SYMPOSIUM

Tuesday, Feb 11, 2025 – Peter Marks, MD, PhD from CBER of the FDA, Featured Community Lecture. "Fueling Medical Innovation: The FDA's Vision for Cellular Therapies".

Wednesday, February 12, 2025 || Time: 9:00AM – 6:00PM || Location: Gross Hall, 4001 Thorp Conference Center

Please register for both events through the [12th Annual Stem Cell Science Symposium Registration Link](https://app.smartsheet.com/b/form/afeeb5a648c4433fa297719674e8b62d)

<https://app.smartsheet.com/b/form/afeeb5a648c4433fa297719674e8b62d>

SCRC STEM CELL SEMINAR SERIES

Monthly on Fridays mostly from 11 AM to NOON in Gross Hall's Thorp Conference Center.

Friday, Dec 20, 2024 – Benjamin Freedman, PhD University of Washington, “Human Kidney Organoids for Disease Modeling and Regeneration” **New time: 1-2 PM**

Friday, Mar 7, 2025 – Laertis Ikonou, PhD, University at Buffalo, “Predatory “Stem Cell” Markets and Patient Education: A Basic Science Perspective”

Friday, Apr 4, 2025 – Soham Chanda, PhD, Colorado State University, “Analyses of Synapse Formation in Human Neurons”

Friday, May 2, 2025 – Sarah Heilshorn, PhD, Stanford University, “Designer Biomaterials for Organoid Culture”

UCI SKIN DISTINGUISHED LECTURE SERIES

11AM to NOON mostly in Gross Hall's Thorp Conference Center.

Join our UCI Skin mailing list here to be notified of the latest UCI Skin announcements:

<https://app.smartsheet.com/b/form/0ada27a6dc3a427d96322512194218f3>

Friday, Nov 22, 2025 – Bin Zheng, PhD, Cedars-Sinai “Metabolic Regulation of Melanoma Tumor Immunity”

New location: David G. Gills Conference, Sprague Hall 105 @ 11-12pm

Friday, Jan, 17, 2025 – Brian Capell, MD, PhD, UPenn, “Epithelial Epigenetics: Chromatin at the Nexus of Epithelial Development, Differentiation, and Disease”

Friday, Mar 28, 2025 – Sara Stahley, PhD, Columbia University, “Cadherin Regulation of Planar Cell Polarity in the Mammalian Epidermis”

Friday, Apr 25, 2025 – Hasan Abaci, PhD, Columbia University, “Edgeless 3D Skin Constructs as a Tool to Uncover Geometric Influence on Skin Function”

Friday, May 30, 2025 – Andrew Li, MD, Mount Sinai, “Probing the Single-Cell Spatial Landscape of Human Skin”

Friday, Jun 20, 2025 – Haley Naik, MD, UCSF, “Translating Hidradenitis Suppurativa Science Into Therapeutic Advances”

UCI SKIN 8th ANNUAL SYMPOSIUM

Dive into the forefront of skin research at our Skin Research Symposium! Engage with leading experts as they share groundbreaking insights into dermatology, skin health, and innovative treatments.

February 21, 2025 || Time: 8:30AM – 4:30PM || Location: Gross Hall, 4001 Thorp Conference Center ||

Register Here: <https://app.smartsheet.com/b/form/8b5de39ce84e404f9855fe2d978c4457>

Reimbursements *Updated*



Dear SCRC Staff & Students,

As the new academic year begins to progress, I would like to send a reminder regarding UCI travel policies to keep in mind if you plan on seeking reimbursement for your travels (ie. conferences and events). Please refer to the policies attached along with this memo for more detailed information.

- Airfare must be coach or economy class only
- Lodging maximum is \$333/night before taxes and fees – the maximum applies **per room**, not per person. Even if you share a room with another traveler, the room must cost no more than \$333/night.
- The maximum for [meals & incidental expenses](#) is \$92/day. The only instance in which you may pay for another person's meals is if you are hosting a business meeting over a meal. In this case, you must provide an **attendee list and agenda**, and the [meal maximums listed here](#) apply.
- In general, you may not pay for another person's expenses, however you may share a room, shuttles, taxis, etc. with another traveler. One person can pay for the room, taxi, etc. and request reimbursement.
- If you are including personal days on the trip (extending travel dates more than 24 hrs before or after the conference dates), you must provide a **pre-trip airfare comparison quote** that shows how much the flight would have cost without personal days. Reimbursement will be based on the lesser amount. Any expenses incurred during **personal travel** are not reimbursable.
- Keep all itemized receipts to submit with your reimbursement. Receipts must include **proof of payment** (ex. Paid with Visa XXXX); Please see the [reference guide for supporting documentation](#) for more info.
- **No exceptions** for receipts that are not itemized – bank account screenshots are acceptable as further backup to confirm amount totals such as tip (in such instances where tip amount is not included on the receipts)
- Any mileage requests must include a screenshot of the route taken (gmaps, apple maps ect.) **Mileage rate: \$0.67**
- Reimbursement requests must be submitted within 45 days after the end of the trip.

Please review [UC travel policy highlights](#) before booking and feel free to reach out if you have any questions.

REIMBURSEMENT FORMS:

Download all forms on the SCRC Purchasing Webpage:
<https://stemcell.uci.edu/Resources/Purchasing/index.php>

Purchasing



STREAMLINED PURCHASING: REQUEST TRACKER (RT)

We have introduced a new ticketing system, utilizing Request Tracker, for all purchase orders and reimbursement requests with a goal to streamline the current workflow and increase communication.

All purchase requests and reimbursement forms will be emailed to: purchase@rt.stemcell.uci.edu

For more information please visit the SCRC Purchasing webpage:
<https://stemcell.uci.edu/Resources/Purchasing/index.php>

Request Tracker (RT) instructions

Submitting purchase order requests

Fill out Purchase Order Request (PR) form:

Required fields:

- a. Include correct 'ship to' address
- b. Include brief justification (what are you buying and what project is it for?)
 - i. Example: antibodies & reagents for PI: Peter Ant eater's CIRM TRAN1 grant
- c. KFS account
- d. Quantity, item (link or catalogue #), price
- e. Grant PI signature

email

- i. Attach signed PR (or PR with PI email approval), quote and/or relevant documents to

- ii. Email to: purchase@rt.stemcell.uci.edu

- iii. Email subject line: Date, Vendor, Lab

- a. Example: 2/28/23, Fisher Scientific, Anteater lab

Requester will receive automatic email updates when the status of an order is changed (example, automated email is sent when an order is received, processed, vendor has shipped the item and when the item is delivered)

Requesting order updates/information for an existing ticket

To request further updates on specific orders, provide additional information on an order, revise an order, etc.:

1. Reply to automated e-mail with corresponding ticket number

OR

1. Email to: purchase@rt.stemcell.uci.edu

2. Subject line: [rt.stemcell.uci.edu & ticket number] a. Example: [rt.stemcell.uci.edu #131]

PACKING SLIPS: HOW TO SUBMIT THEM

Submitting packing slips to the purchasing department is essential for maintaining accurate records, proper payment processing, and compliance with regulations. It is a crucial step in the overall procurement process.

Submitting packing slips/delivery confirmation

Update: Labs can submit UCIBuy packing slips in bulk. Other packing slips should be submitted individually to each corresponding RT tickets. *Please submit UCI Buy packing slips separately

Sending bulk packing slips:

1. Attach documents and email to: purchase@rt.stemcell.uci.edu
2. Subject line: PACKING SLIPS, Lab, date range (when orders were received)
3. Example: PACKING SLIPS, Anteater lab, 2/22-2/28/2023

Sending individual packing slips:

1. Reply to automated e-mail with corresponding ticket number and attach documents

OR

1. Attach documents and email to: purchase@rt.stemcell.uci.edu
2. Subject line: [rt.stemcell,uci.edu & the ticket number] PACKING SLIP

1. Example: [rt.stemcell.uci.edu #131] PACKING SLIP

****Brackets [] must be included in subject line**

SOURCE SELECTION & PRICE REASONABLENESS JUSTIFICATION FORM (SSPR)

(SSPR form) – This form is required for all federally funded purchases greater or equal to \$10,000 (including tax and shipping), to substantiate the appropriateness of source selection and price reasonableness.

Its purpose is to outline the rationale behind making a purchase from a single or sole source supplier, rather than through a competitive bidding or sourcing process. This showcases that our organization is committed to fair competition and has a valid reason for deviating from standard competitive bidding processes.

To locate the form, visit this link:

<https://procurement.uci.edu/files/documents/procurement/forms/uci-source-selection-price-reasonableness-form.pdf>

For more policy information regarding competitive threshold requirements, visit this link:

<https://procurement.uci.edu/procurement/federal-fund-purchase-requirements-uniform-guidance.php>

PURCHASE REQUESTS: GUIDELINES

To avoid delays in purchasing processing, please review for the commonly missed items before submitting your request:

1. Request Justification
2. KFS account
3. PI Signature

****Submit packing slips within three days of receipt****

Please allow 2-4 working days for order processing

Date Submitted:	8/18/2023	Ship to Address: 845 Health Sciences Road, Lab Floor
Requested By:	Lab Name	Suggested Vendor: Fisher Scientific
Requested For:		Is this a software purchase: Yes <input type="checkbox"/> <small>If Yes, please Question</small>

Request Justification
 Briefly describe intended project and experiment for requested item(s). Indicate Specific Aims (as needed).
 This purchase is related to the project because of this reason...

Account Information		FOR REQUESTS AFFECTING SCRC EQUIPMENT:		
KFS Account	Project Code	Notes/Split Funding Info	UCI Property Tag (ORG REF ID)	Equipment ID
ST12345				

ITEM(S) REQUESTED				
Quantity	Description	Catalog/Item#	Unit Cost	
1.00	Pipette	12345-01	\$ 5.00	\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
			SUBTOTAL	
			TAX (7.75%)	
SHIPPING OPTIONS: Ground (7-10 days) <input type="checkbox"/> Express (Next Day) <input type="checkbox"/>				TOTAL:

DIRECTOR/GRANT PI SIGNATURE: **PI Signature**

MENTOR SIGNATURE: (FOR TRAINEES ONLY)

FOR OFFICE USE ONLY			
KFS#	AMOUNT	USE TAX	NOTES/REVIEWER INITIAL

HIGH VALUE PURCHASE ORDERS (Order above \$10k):
 Please refer to the attached PDF document for information on High Value Purchase Orders (Order above \$10K) or Service agreements.

SCRC Building Information

We have outlined some areas that you should be familiar with within our center.



SCRC Core Staff

Here is a full list of the [SCRC Core Staff](#) and core lab managers listed below.

Christina Tu-Stem Cell Techniques Course Manager htu@uci.edu

Vanessa Scarfone-Flow Cytometry Core Manager vanessa.s@uci.edu

Allia Fawaz-Imaging Core Manager and Building Manager fawaza@uci.edu

Anita Lakatos-CRISPR Core Manager scrc-crispr@uci.edu

Equipment and Conference Room Reservations

Equipment

Here's a list of the [shared equipment and other resources](#) that the SCRC has to offer!

Shared equipment is reserved via iLab. Please register for iLab at the [following site](#).

Log in with your UCI credentials and choose your PI. If you receive any errors please send a screenshot of the error to fawaza@uci.edu. If your PI is not listed, please email your PI's first and last name and email address to fawaza@uci.edu so that they may be added.

Once you have been trained on the equipment, you will receive access to reserve the equipment via iLab. All equipment also has paper sign-in sheets. A sign-in sheet is for signing-in once you begin using the equipment and is not a reservation.

If you have reserved the equipment but a user is using the equipment during your scheduled time that has not reserved, **you have priority to use the equipment** and can ask them to leave; let them know to reserve on iLab at a later time.

Conference rooms

If you would like to reserve a conference room, you may do so for rooms 2005, 2034, 3001, and 3034 via iLab. They can also be reserved at the tablet kiosks outside each conference room. Directions for reserving on the kiosks are found next to the kiosks.

The Thorpe conference center on the 4th floor (4000) and the 4th fl boardroom (4002) are reserved through Abbie at abbiee@hs.uci.edu.

Conference room rules are to:

1. Only reserve time you plan to use
2. Dispose of trash and push in chairs
3. Put spare food/drinks/utensils etc. from meetings in the break rooms with a note that says it is for anyone
4. Keep door unlocked when leaving (if the room is locked, there is a key on Allia's desk by room 2102, please sign-in on the sign in sheet)
5. Let Allia know if the projector lamp requires replacing (if dim) at fawaza@uci.edu

Equipment Rules

For all shared equipment, you must:

1. Be trained by the Core Facility Staff
2. Schedule your time via iLab
3. Sign in on the sign-in sheet
4. Keep the area cleaner than you found it
5. Save your files to an external device (USB). Files should not only be stored on shared computers. Old

data will be removed periodically to allow additional space without notice. Do not save data on the

computer desktop.

For your safety, please pay attention to all signs surrounding equipment. Some equipment have a gloves on policy when using computers for the equipment while others have a gloves off policy. All door handles and elevator buttons have a gloves off policy.

If equipment is not functioning properly or you need assistance, please contact Allia or Vanessa via email. Also let us know if we are out of stock on necessary items for the shared equipment (such as ethanol, kim wipes, lens paper, and cotton swab cleaning tips for the microscopes).

Recharge Equipment

Most equipment is free to use with the exception of the following:

<u>SCRC Equipment</u>	<u>Price/hour</u>
1. Xenogen IVIS Lumina Imager	\$40.00
2. Olympus FV3000 Confocal	\$25.00 - \$40.00
3. BD Facs Aria II Cell Sorter	\$40.00 - \$80.00
4. FACS ARIA III FUSION	\$40.00 - \$80.00
5. BD LSR II Flow Cytometer	\$40.00 - \$60.00

Building Access

If you require a keycard to be activated, please email the 5 or 6 digit number on your keycard and your PI's approval to fawaza@uci.edu. If your lab does not have a spare keycard to activate, please send your lab's KFS account and project code with your PI's approval to purchase one.

Lost or stolen keys/keycards should be reported to both the PI/lab manager and fawaza@uci.edu immediately.

Additionally, one should NOT grant access to the building (e.g., by holding a door to the building open) to anyone without a keycard unless they are known to you. Also, doors to the building should NOT be propped open to allow access.

If you see an individual in the building that you do not recognize, asking whether they need assistance is a great opener. This includes any sales representatives that do not have an **appointment for any specific lab**. You may kindly refer them to fawaza@uci.edu to set up a vendor show.

If you are concerned about an individual, please feel free to contact fawaza@uci.edu or any of the SCRC staff. In the evenings/weekends, as for anywhere on campus, the UCIPD will respond as necessary if there is an identified concern regarding legitimate access. Just so you are aware, this building is under constant surveillance which is monitored when needed.

Once you terminate your position with the center, please let Allia know and she will deactivate your keycard and remove you from the mailing list. I keep an updated contact list of all lab members to communicate about important equipment and building related matters.

SCRC's Events

For information regarding the SCRC's events such as community lectures, please click on the following [link](#).

Break/Lunch Rooms

We have break rooms available on the 2nd, 3rd, and 4th floors with fridges/freezers, water dispensers, and microwaves and other appliances. The room rules are to:

1. Wipe the tables and push in chairs after use
2. Dispose of trash in the appropriate containers (trash or recycling)
3. Write your name and date on all food
4. Wipe sink counters down and any spills in fridge/freezers
5. Run disposal if food is in sink
6. Do not leave items in the sink or counters
7. Store dishes in labeled cupboards & cabinets
8. If you have spare food/drinks etc. from meetings, leave a note that says it is open for anyone
9. Keep from microwaving foods with more potent aromas (such as fish)

10. Clean microwave and other appliances used
11. Replace water dispenser containers when empty
12. Clean out fridge every Friday

Printer/Copier Access

We have a shared printer/copier on the second floor by the break room. To access the printer you must install the driver [here](#). Install the printer using the IP address: 128.200.249.45 (port #: 9100). Aside from printing and copying, features also include emailing documents, faxing, and saving to your USB. If the printer is out of paper or toner, please let Allia know at fawaza@uci.edu. The printer is NOT for personal use, it is only for printing items related to your research; do NOT print items for your courses. Please print in black/white when possible.

Building Maintenance

If you notice any building maintenance that needs to be reported such as broken paper towel dispensers, lights that need to be replaced, doors not shutting correctly, uncomfortable temperatures that require adjustment, etc., please call facilities directly (949-824-5444 or extension 4-5444) or email them at fm-servicedesk@uci.edu.

Internet Access

If you need access to internet, your lab can submit a request to OIT [here](#). Follow directions under manual registration and enter in your computer's MAC address. For any issues, contact HS OIT (extension 4-3434).

Hazardous Waste and Trash/Recyclables

Hazardous waste pick-up can be submitted via text by following [this set of instructions](#). Please be mindful to place trash in the trashcan and recyclables in the recycling bin. Flatten all cardboard boxes and place directly behind the recycling bins for pick-up on the 1st, 3rd, and 4th floors, or on the table in the middle hallway of the 2nd floor.

Cold Rooms

The SCRC has two shared 4°C cold rooms on each floor for floors 1-3 and one on the 4th floor. Cold room guidelines are to:

1. Store items on lab's labeled racks only
2. Label lab's items with lab name
3. Make sure no mold is growing
4. Keep room clean and tidy
5. Turn light off when leaving the room

6. Shut the door behind you when both enter and leave the room
7. Do NOT keep items in cardboard boxes in room (they harbor mold)
8. Do NOT store dry ice in cold rooms (asphyxiation hazard)
9. Do NOT store items on the floor or in the sink. Items left on the floor or sink are subject to being removed and discarded
10. Place trash receptacles outside of the cold room
11. Clean up any spilled liquid
12. Report water leaks or other mechanical issues to myself or Facilities Management immediately

Emergency Freezers

If you would like to defrost your freezers or have an emergency with your freezers and need to temporarily store your items, we have emergency 4°, -20°, and -80° freezer space that you may use which require my approval, reservations made via iLab, and a sign-in sheet to be filled out.

As a side note, make sure to perform regular maintenance on your own lab's freezers as recommended by the manual and to have your lab's biosafety cabinet (BSC) certifications up to date via TSS or company listed on your BSC. Fume hood issues should be reported to EH&S (extension 4-6200).

Dry Ice, Purified Water, & Lab Space

Labs also have access to shared dry ice (found in a container in the middle hallway of each floor) and Millipore purified water that is pyrogen-, nuclease-, protease- and bacteria-free for your research on both sides of the lab space on each floor. Each floor is designated as a south and north side, each side with 8-10 bays. Each bay sign is labeled with the location (N/S), lab name, and bay number. There are spaces on the sign to write in where lab members' desks are located or equipment is stored.

Emergency/Evacuation Alarms

We must always treat evacuation causes as potential threats. During an alarm, we will evacuate via the stairs (do NOT take the elevator). If you require assistance, please let a lab member know. Once evacuated, stand away from the building. On the first floor, we should stand in the middle walking area of the parking lot. On the basement level, also please stand away from the building in the parking lot. Do not enter the building until an officer tell you that it is safe to do so.

Please let Allia know if you have any questions at fawaza@uci.edu.

SCRC SPOTLIGHT

SCRC Halloween Extravaganza Recap



Costume Contest 1st Place Winner and Best Performance - Scooby Doo and the Mystery Gang - Flanagan Lab



***Costume Contest 2nd Place Winner and Most Creative Costume - Inside Out 2 -
Anderson-Cummings Lab***



Costume Contest 3rd Place Winner - Rocky from Lackadaisy - Jerar Palian



Costume Contest Judges Choice - Brain Tumorinators - Bota Lab



Dessert Contest Best Tasting Winner - Angel Ayala



Dessert Contest Most Creative Design Winner - Angela Li and Elaine Lai



Dessert Contest Most Creative Design Runner Up - YC Tsai

Have a recent event, achievement or pet to be featured in a future newsletter? Please fill out the form below with your information.

<https://app.smartsheet.com/b/form/2cb756480f89465f85007d2429481b92>

We're here to help! If you have any questions, comments or suggestions related to the topics covered in this newsletter, please don't hesitate to get in touch at SCRCdirector@hs.uci.edu.