

HOSTED BY



Carbone Cancer Center
UNIVERSITY OF WISCONSIN
SCHOOL OF MEDICINE AND PUBLIC HEALTH

— VIRTUAL —

BADGER CONNECT RESEARCH SERVICES FAIR

November 9 – 13

Designed for all life science researchers
across the UW-Madison campus

Information about how
our services can make
YOUR research shine!



Core flash talks
by research services
personnel



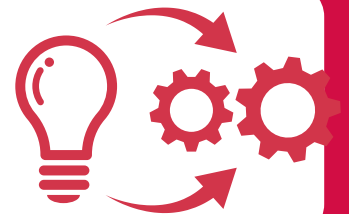
**Live interactive webinars, interviews and
virtual presentations** about groundbreaking
research and technologies



A **research
pipeline** panel
discussion



**A live networking
reception online** with
research service leaders
and their industry partners



Learn more:
cancer.wisc.edu/research/badgerconnect

Questions?
badgerconnect@cancer.wisc.edu



#BADGERCONNECT20 For every time you tweet #BadgerConnect20 or attend a live session, you'll be entered in a **Prize Drawing** for a 50% off voucher (up to \$200) good for use at one of the participating research services listed below!

<https://cancer.wisc.edu/research/badgerconnect/>

Thank You to our Sponsoring Industry Partners!



**BadgerConnect Research Services Fair 2020 Nov.9-13
PROGRAM**

DAILY LIVE FORUMS NOVEMBER 9-12

Monday Nov. 9th, 12:00-1:00 PM (US CentralTime) LIVE PANEL DISCUSSION

"Building Research Pipelines Spanning Multiple Cores"

by Flow Cytometry (host) with Genome Editing, DNA Sequencing and Gene Expression cores and Shanmuganayagam lab

Join a panel of Core Staff and Core Customers to discuss identifying the need and establishing connections between cores and researchers to create a successful research pipeline. This panel will feature members of the Flow Cytometry Lab, Gene Expression Core, DNA Sequencing Facility and Genome Editing and Animal Models Core as well as a researcher using one of our established pipelines to isolate cells for single cell genomics.

forum sponsors: BioLegend and Cytek Biosciences Inc

Tuesday Nov. 10th, 10:00-11:00 AM (US Central Time) LIVE INVITED RESEARCH TALK

"Genome-edited swine models to study disease and build models for therapeutics"

by [Dr. Dhanansayan Shanmuganayagam](#), hosted by Dr. Dustin Rubinstein of the Genome Editing and Animal Models Core

The talk will provide two examples of how genetic engineering of swine was utilized, one, for the study of a genetic disorder in children called Neurofibromatosis type 1 (NF1) and second, for exploring a solution to tackle the donor organ shortage crisis in the area of human transplantation.

Wednesday Nov. 11th, 4:00-5:00 PM (US CentralTime) LIVE WEBINAR

"Leading Breakthrough Science Teams" by UW ICTR and UWCCC Team Science

As the size and scope of collaborative research grows, research teams are increasingly looking for support in leading high-impact, breakthrough teams. UW-ICTR is developing tools and resources to provide that support for both faculty and staff who lead scientific teams. We will discuss the challenges of leading scientific teams, then discuss one evidence-based approach to addressing those challenges: Collaboration Planning, an interactive process designed to help teams work through the mechanics of how the group will collaborate, including preemptively addressing many of the challenges of conducting team-science research through transparency, shared governance, and shared decision-making.

Thursday Nov. 12th, 10:00-11:00 AM (US CentralTime) LIVE WEBINAR

"SPECT/CT: What our newest addition can add to your research"

by Small Animal Imaging & Radiotherapy Facility (SAIRF) with Industry Partner MILabs

We will introduce you to our new SPECT/CT imaging system, including an overview of instrument specs and operations, and how this technology can enhance your research in animal models.

forum sponsors: MILabs and PerkinElmer

LIVE NETWORKING RECEPTION NOVEMBER 13

Friday Nov. 13th, 12:00-1:00 PM (US CentralTime) **LIVE NETWORKING RECEPTION**

Zoom Break-Out Rooms by Category

Attendees can jump in and out of break-out rooms at will for Q/A time with research services and their industry partners, which will be grouped by area of study or research pipeline categories as listed below.

forum sponsors: BioLegend, Carl Zeiss Microscopy Inc, Cytek Biosciences Inc, JangoCell, MILabs, Meso Scale Discovery, PerkinElmer, Thermo Fisher Scientific

Networking Reception Zoom Break-Out Rooms

Data and Collaborations I Bioinformatics Resource Center BioStatistics Shared Resource All of Us Wisconsin	Data and Collaborations II Electronic Laboratory Notebooks Data Science Hub Team Science
Drug Development Cancer Pharmacology Lab Medicinal Chemistry Center Small Molecule Screening Facility Meso Scale Discovery	Molecular Analysis Cancer Metabolomics Mass Spectrometry/Proteomics Facility Analytical Instrumentation Center
Pre-Clinical/Clinical Imaging Atherosclerosis Imaging Research Program WIMR Imaging Services Small Animal Imaging and Radiotherapy Facility MILabs	Molecular/Cellular Imaging Circulating Biomarker Core Waisman Center Cellular Imaging and Analysis Biochemistry Optical Core Carl Zeiss Microscopy LLC
Genomics Flow Cytometry Laboratory Genome Editing and Animal Models Core Humanized Mouse Core	BioLegend Cytek Biosciences Inc JangoCell Thermo Fisher Scientific

PRE-RECORDED FLASH TALKS AND TUTORIALS

CORE FLASH TALKS video library posted to BadgerConnect webpage

Twenty-two core facilities will participate with short video overviews of their core and how they serve research.

TUTORIALS posted to BadgerConnect webpage throughout the week, Nov.9-13

Videos of four tutorials listed below will be available on our webpage.

"Visium Spatial Gene Expression"

by Translational Research Initiatives in Pathology (TRIP) with Gene Expression Center (GEC)

Measure and map gene activity relative to where in your tissue section is occurring

"Electronic Laboratory Notebook Overview: LabArchives"

by Electronic Library Notebooks (ELN) with Industry Partner LabArchives

We'll give a basic demo showing off some of the features of LabArchives. We will show examples to help labs visualize how they could use this tool for their own work.

"Coverslipping Made Easy for Optimal Histo Results"

by Experimental Animal Pathology Lab (EAPL)

Histotechnologists from EAPL will demo the ideal materials, reagents and technique for coverslipping tissue slides after staining, to help ensure the best results in your histology analyses.

"Making of a Mouse Model: From Embryo to Gene Edit"

by Genome Editing and Animal Models (GEAM-AM)

Experts in GEAM-AM will give a step-by-step on how they collect, microinject and transfer fertilized embryos to generate gene-edits in animal models.

Participating UW-Madison Research Services	Core FlashTalk (Pre-Recorded)	Networking Reception
All of Us Wisconsin https://allofus.wisc.edu/	√	√
Analytical Instrumentation Center https://aic.sop.pharmacy.wisc.edu/	√	√
Atherosclerosis Imaging Research Program (UW AIRP) https://www.medicine.wisc.edu/cardiovascular-medicine/airp-research-core-lab-services		√
Biochemistry Optical Core https://boc.wisc.edu/		√
Bioinformatics Resource Center https://www.biotech.wisc.edu/services/brc	√	√
BioStatistics Shared Resource (BSR) https://cancer.wisc.edu/research/resources/bsr/	√	√
Cancer Metabolomics (CaMetab) https://cancer.wisc.edu/research/resources/cametab/	√	√
Cancer Pharmacology Lab (CPL) https://cancer.wisc.edu/research/resources/ddc/cancer-pharmacology/	√	√
Circulating Biomarker Core (CBC) https://cancer.wisc.edu/research/resources/cbc/		√
Data Coordinating Center https://biostat.wiscweb.wisc.edu/research/clinical-trials/data-coordinating-center/	√	
Data Science Hub https://hub.datascience.wisc.edu/	√	√
Electronic Laboratory Notebooks https://eln.wisc.edu/	√	√
Experimental Animal Pathology Laboratory (EAPL) https://cancer.wisc.edu/research/resources/epl/	√	
Flow Cytometry Laboratory (Flow Lab) https://cancer.wisc.edu/research/resources/flow/	√	√
Genome Editing and Animal Models Core (GEAM; GE & AM faciities) https://www.biotech.wisc.edu/services/geam	√	√
Humanized Mouse Core https://www.surgery.wisc.edu/research/uw-humanized-mouse-core-service/	√	√
Mass Spectrometry/Proteomics Facility https://www.biotech.wisc.edu/services/massspec	√	√
Medicinal Chemistry Center (MCC) https://pharmacy.wisc.edu/centers/medicinal-chemistry-center/	√	√
Optical Imaging Core https://opticalcore.wisc.edu/	√	
Public Access Service https://pas.wisc.edu	√	
Small Animal Imaging and Radiotherapy Facility (SAIRF) http://cancer.wisc.edu/sairf	√	√
Small Molecule Screening Facility (SMSF) https://cancer.wisc.edu/research/resources/ddc/smsf/	√	
Team Science https://ictr.wisc.edu/team-science/	√	√
Translational Research Initiatives in Pathology (TRIP) https://research.pathology.wisc.edu/trip-home/	√	
Waisman Center Cellular Imaging and Analysis https://www.waisman.wisc.edu/cellular-imaging-and-analysis/		√
WIMR Imaging Services https://resources.research.wisc.edu/Core/Details/184	√	√