

Welcome to the Research Cores Leadership Summit!

Help yourself to coffee and bakery.
The program will begin at 9:00 am.



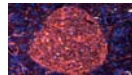
Office of the Vice Chancellor for
Research and Graduate Education
UNIVERSITY OF WISCONSIN-MADISON



Office of Campus Research Cores
UNIVERSITY OF WISCONSIN-MADISON

Isabelle Girard, PhD Director

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Office of Campus Research Cores
UNIVERSITY OF WISCONSIN-MADISON

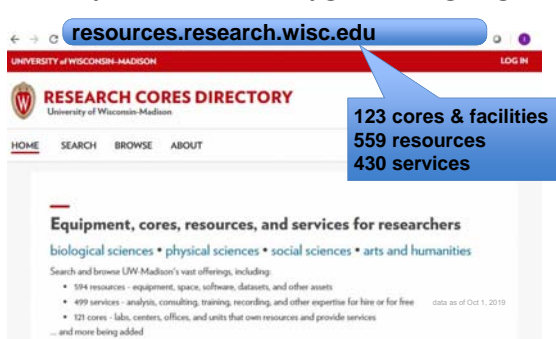
PROGRAM HIGHLIGHTS IN 2019

- over 120 cores across campus
- WiscCores Showcase (March 2019)
- BadgerConnect Research Fair (Oct 2019)
- Cores & Coffee discussions
- First Financial workshop (June 2019)
- Research Cores Directory revision
- **Research Core Revitalization Program**
 - internal competition opens today
 - upgrade, replacement or duplication
 - \$50,000 – \$300,000
 - applications due Feb 21, 2020
 - research.wisc.edu/funding/research-core-revitalization/

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Research Cores Directory has a new look and improved search – upgrades ongoing...

resources.research.wisc.edu



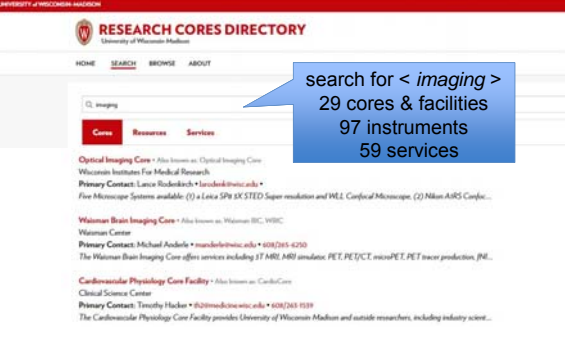
123 cores & facilities

559 resources

430 services

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Please test the search to optimize weights



search for < *imaging* >

29 cores & facilities

97 instruments

59 services

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NEWS FROM AROUND THE CORES







- Biotron & OVCRGE exploring options to phase out admin support ~ 18 months
- new cores include
 - AV Data Core
 - Wisconsin Center for NanoBioSystems
 - Data Science Hub (added)
- UW Optical Imaging Core has funding for 2 new light-sheet microscopy systems

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Research Cores Leadership Summit

| | |
|------------------|---|
| 8:30 – 9:00 am | Check-in and coffee & bakery |
| 9:00 – 9:10 | Introduction to Summit and Campus Cores |
| 9:10 – 9:30 | Does Your Rate Structure Really Matter? Jerry Hunter, Wisconsin Centers for Nanoscale Technology |
| 9:30 – 9:50 | Rate and Operations Discussion and Reports |
| 9:50 – 10:00 | Coffee & bakery break |
| 10:00 ~ 10:30 | Introduction to Research Core Liaisons (3-min flash talks) |
| 10:30 – 11:00 | Open Questions and Discussion (large group) |
| 11:00 – 11:20 | Building communities 1 (small group discussions) |
| 11:20 – 11:40 | Building communities 2 (small group discussions) |
| 11:40 – 12:00 pm | Next Steps and Closing |

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Research Cores Leadership Summit

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Error:
 Anna Kiyanova represents SMCL
 Soft Materials Characterization Laboratory
 Wisconsin Centers for Nanoscale Technology

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Madison Budget Office


Suzanne Schlecht

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MADISON BUDGET OFFICE *

Suzanne Schlecht, Senior Accountant




- Rate setting
- Uniform Guidance
- Billing
- Fund 136 questions
- Best practices
 - Finance
 - Accounting

**formerly Auxiliary Operations Analysis*

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Resource & Support for Cores

- In partnership with Isabelle Girard at OVCRGE
 - Cores First Financials workshops
 - Individual outreach
 - Advice
 - Questions
 - Cores Coffee Crew presentations
- Goal is to lend a hand with the business side so Cores can focus on the science
- Here to help!!




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Core Software Support

Matthew Edwards



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Matt Edwards
 Core Information System Support
 11/5/2019

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Why iLab?

iLab is a web based solution designed to assist with the following:

- Request for service management
- Reporting
- Invoicing
- Milestone management
- Equipment and service usage tracking
- Provide one platform for customers – 1200 active users in the last 12 months!



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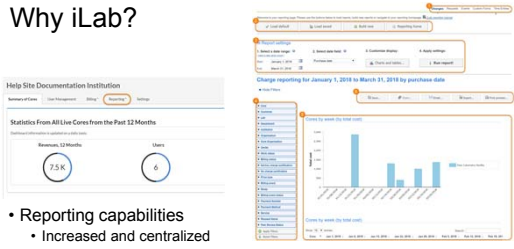
Why iLab?

Benefits for UWCCC:

- Maximized use of core facilities
 - Access multiple services from one system
 - Facility use easily monitored
 - Live service calendars
- Consistent, Accurate and Timely Billing
 - Standard format
 - Time to bill improved from 5 months to 1, No lost billing
 - Easily accessible records, Best for accounting audits
- Time Savings
 - Mark McClintock:
 - saw a 5 fold decrease in time spent validating account numbers and submitting Jet bills
 - SR Leadership
 - 10 fold decrease in time spent scheduling, tracking and reporting on usage
 - 2 fold decrease in time spent on invoice prep

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Why iLab?



- Reporting capabilities
 - Increased and centralized
 - Easily generate reports on usage for CCSG and S10 Grants
 - Helps users estimate costs for their grant applications, reports, etc
- Bottom line
 - iLab has been a solution for the scheduling and billing issues SRs face
 - Reporting capabilities assist with grant writing, reporting and strategic planning

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Office of Business Engagement

Amy Achter



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Office of Business Engagement

UW Research Core Leadership Summit

November 5, 2019



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Office of Business Engagement

- The Mission of OBE is to create opportunities for return on investment by leading mutually-beneficial relationships between businesses and UW-Madison.
- OBE operates as a comprehensive office for corporate partnerships and is promoted as the point of entry for businesses seeking to engage with UW
- **OBE works across all schools, colleges, consortium, institutes, research centers, etc.**
- OBE fosters collaboration and communication through regular meetings with internal constituents including RSP, WFAA, WARF, Career Services, Continuing Education and Marketing



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What's Keeping Our Partners Up at Night?

- War for talent
- Professional & Technical Development
- Retaining and attracting a diverse and inclusive workforce
- Innovation/Rate of Change
- Balancing R&D



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- Identify the right starting point
- Establish shared goals with mutual benefits
- Ensure alignment & clear expectations
- Lead ongoing discussions about new opportunities
- Develop joint strategies
- Manage communications



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Research & Sponsored Programs

Bob Gratzl



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Research and Sponsored Programs

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What We Do

- Handles the awards coming to campus to support research
 - Proposal, Agreement Processing, Account Setup, Invoicing, Collections
- Handles many agreements that support research
 - Confidentiality, Material Transfer, Data Sharing
- Processes the agreements to provide services to external entities – Fee for Service
 - Only handles the agreements themselves, not the financial elements (budgeting, invoicing, etc.)

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Processing Agreements

- Negotiation and signature of the agreement to do research or a service for an outside party
- Guided by University Policy, Regent Policy, State of Wisconsin Statutes, and Federal Rules
 - UW is heavily funded by federal dollars, keep an eye on them to make sure we don't run afoul of federal regulations
- Focus on what the sponsor wants and what we can give
 - Confidentiality, ownership of results, access to background and foreground intellectual property, etc.


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Office of Biological Safety

Karen Demick



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Karen Demick
Core Liaison
Office of Biological Safety

A core facility provides training, services, or access to specialized equipment. A core facility is generally under the oversight of a PI or department and has personnel dedicated to performing core procedures, coordinating use of the facility, training users, and overseeing the facility.

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The Core Liaison is responsible for providing guidance, risk assessment and support to the UW-Madison research community regarding biologicals used in core facilities. The duties include but are not limited to:

- Review Bio-ARROW protocols for core facilities
- Serve as the primary point of contact for core facilities with Bio-ARROW protocols, core facility PIs and for the UW-Madison Director of Campus Research Cores
- Provide input related to institutional policy, memorandums of agreement and guidance related to research activities in core facilities




Office of Biological Safety

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Office of Biological Safety

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Research Animal Resources & Compliance

Melissa Hunsley



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RARC
Research Animal Resources and Compliance
UNIVERSITY OF WISCONSIN-MADISON

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WHAT WE DO

- Administer the animal care and use committees (IACUCs)
- Provide support for people writing and accessing IACUC protocols
- Provide hands-on and online training for people who work with research animals
- Conduct compliance activities surrounding animal research (reporting, inspections, etc.)
- Provide veterinary care for all research animals (except WNPRC, but we collaborate)
- Provide necropsy, pathology and histology services
- Provide disease surveillance for animal facilities
- Provide drugs and supplies to researchers and facilities through our two pharmacies

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WHO WE WORK WITH

- PIs and lab members
- Animal facility staff and management
- Department administrative staff
- Environment, Health and Safety staff
- University Health Services staff
- Research and Sponsored Programs staff
- Core managers and staff for cores that work with live animals

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VETERINARY PATHOLOGY

Pathology

- Necropsy and biopsy
- Clinical lab testing
- Rodent disease surveillance
- Environmental monitoring
- Consulting pathology
- Histology
- Cell line authentication and sterility testing
- Tissue collection training




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ANIMAL TRAINING

Training


- Species-specific training
- Technique training
- Specialized procedure training
 - Rodent Stereotaxic surgery
 - Rodent perfusion
 - Microsurgery – castration, ovariectomy, nephrectomy, etc.
- Animal behavior and low-stress handling
- Equipment loans



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OTHER SERVICES

- Small and large animal pharmacies
- Help with preparing labs or animal facilities for inspections
- Rodent analgesia services
- Veterinary services for research procedures
- Help with IACUC protocols
- Grant-protocol congruence



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Research Data Services

Tobin Magle



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Research Data Services
UNIVERSITY OF WISCONSIN-MADISON

We love your data too.

data management plans | personal consultations | education & training

researchdata.wisc.edu & @UWMadRschSvcs

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Data Management Plans
We can partner with you to create a DMP that fulfills federal funding requirements.

Consultations
Have a question about data management? We're here to help.

Education & Training
Access the educational materials available on our site. Attend our events and workshops.

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Data Science Hub
Sarah Stevens

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go.wisc.edu/xj73mt

data science HUB

"Empowering people to better design and tackle data-rich research projects"

<http://hub.datascience.wisc.edu/>

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go.wisc.edu/xj73mt

Training

- Learn tools to make your computational work easier!
- R, Python, SQL, Git, OpenRefine and more
- ~10 workshops a year
- <https://hub.datascience.wisc.edu/training/>

software carpentry | DATA CARPENTRY

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go.wisc.edu/xj73mt

Data Science Research Bazaar
Skills Sharing, Digital Literacy, Collaboration


- Save the date! Jan 24-25, 2020
- <https://hub.datascience.wisc.edu/research-bazaar-madison-wi-january-24-25-2020/>
- [Call for submissions](#) out now!
- Registration opens Nov. 1st
- See how you can help [sponsor this event](#)

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go.wisc.edu/xj73mt

Consultation / Office Hours / Community

- Open Coding Lab (Tues 2:30-4:30p Steenbock Biocommons)
- Office Hours (Thursday 2:30-4:30p Hub Central Discovery Bldg)
- Sign up for our newsletter!
 - hub.datascience.wisc.edu/newsletter
- Individual Consultation with Facilitator
 - Email contact@datascience.wisc.edu



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CIO Research Cyberinfrastructure

Lois Brooks



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Research Cyberinfrastructure

An integrated, robust, secure, and evolving ecosystem of resources that underpins the work of all researchers.

DATA
Secure systems for storing data, open platforms for sharing it, tools for collecting, documenting, and managing it over its lifecycle

COMPUTING
Elastic, diverse resources on campus and in the cloud, that can be customized, scaled, and quickly deployed for a wide variety of data types and research scenarios

Underlying these:

Human support
Training & Education
Financial Models
Easy Access
Network Architecture

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ResearchDrive

- On premise file storage
- For faculty PIs, permanent PIs, and research group members
- For backup, archive, storage of data, inputs/outputs of research computing, etc.
- Secure and permanent
- 5 TB/PI at no cost

Roadmap

Beta Testing

Fall, 2019

Early adopters, non-restricted data

December, 2019

Restricted data

Early 2020

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Other DoIT projects

Refresh CCI (Campus Computing Infrastructure) offerings

- Updated private cloud capabilities
- Expanded connectivity to public cloud services
- Support for containers (Kubernetes)
- HIPAA compliance

Next Generation Network

- Expanded capacity for research flows
- Support for IoT and remote sensors/devices
- Secure architectures

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OVCERGE Communications

Natasha Kassulke



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