RPC Faculty Senate Report

RII discussed with us in RPC, Shared Governance of the Core Facilities and created a Steering Committee whose first meeting's notes are attached. RPC is very hopeful that we're moving in a positive direction toward Shared Governance regarding the Core Facilities.



THE UNIVERSITY OF ARIZONA Research Innovation & Impact

RII Core Facilities: Planning for the Future

R. Brooks Jeffery

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THE CHALLENGES

OPERATIONS & MANAGEMENT disjointed organizational and governance structure; lack of established operational policies, practices, or entrepreneurial mindset.

REVIEW & EVALUATION lack of transparency and faculty shared governance of operational practices, financial accountability, performance metrics, establishment/sunsetting of facilities.

STRATEGIC & SUSTAINABLE FUNDING lack of coordinated, institutional strategic prioritization and investment decision-making resulting in redundancy, under-utilization, aging infrastructure, reactive capital investments, and faculty working autonomously.

IDENTITY & COMMUNICATIONS limited engagement between core staff, faculty, investigators and RII; lack of mechanisms to showcase innovation and success, marketing of services, customer discovery, student engagement, all resulting in diminished trust.



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PURPOSE & OBJECTIVES

Support and enable UArizona's research mission through: **RESEARCH** enabling investigators to be at the forefront of their fields through centralized state-of-the-art instrumentation, specialized services, and expert consultation not available elsewhere on campus and, in many cases, within the region.

EDUCATION training students, faculty, and staff in cutting-edge capabilities and for high-tech workforce preparation.

COLLABORATION creating an interdisciplinary network of facilities throughout campus for faculty, researchers and students from different departments and colleges as well as scientists in government and industry.

SUSTAINABILITY managing complex facilities that are operationally efficient, comply with university, state and federal policies, require a balanced financial model of recharge revenue and institutional subsidies, and are accountable to a transparent, data-driven, review process.



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ACTION PLAN

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	RSITY CORE FACILITI	ES INTEGRATED ST. 16 November 2020	AKEHOLDER STRUCTURE	
University Core Facilities Steering Committee				
FRA Core FRA Core	C Lead Facility 2 C Lead Facility 2 C Lead VP for Operation Facility X AVP for Research Infras	 UArizona Faculty Senate Research Policy Committee Representative 		
	Core Facilities Operati	ons Director		
nager FRAC Lead	Core Manager Core Technical Staff	RAC Lead culty Research Advisory	Core Facility X Manager echnical Staff FRAC Lead Faculty Research Advisory Committee (FRAC) Members Users	
	Invation & Impact	Inversity Core Facilities S Core Facility 1 FRAC Lead Core Facility 2 FRAC Lead Core Facility X FRAC Lead Core Facility X FRAC Lead Core Facility X FRAC Lead Core Facilities Operation AVP for Research Infrast Core Facilities Operation Core Facilities O	Average of the second secon	

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THE UNIVERSITY OF ARIZONA Research Innovation & Impact

University Core Facilities Governance Policy

Roles, Responsibilities and Guidance for Administration & Management

> Last updated 24 November 2020

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practices, or entrepreneurial mindset.

Faculty Research Advisory Committees (FRACs)

- Represents collective interests of research community.
- Guides scientific direction of Core in partnership with RII Leadership.
- Advocates for the Core and leads research teams in funding instrumentation proposals for the Core.
- Reviews and advises on operational & financial management of Core.
- Meets quarterly and convened by FRAC Lead.

Core Managers

- Oversees day-to-day operations and compliance of Cores.
- Works in partnership with FRAC to guide & implement scientific direction.
- Prepares annual business plan/performance goals in partnership w/stakeholders.
- Reports to Operations Director.

Operations Director

- Oversees operational and budget management of entire RII Core system.
- Coordinates integrated stakeholder structure to advocate strategic direction and resources.
- Facilitates Annual Review process.
- Reports to RII Leadership.

RII Leadership

- Defines overarching vision and strategic direction for UA research.
- Provides executive oversight informed by shared governance model of decision-making and annual review.

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ACTION PLAN

REVIEW & EVALUATION

lack of transparency and faculty shared governance of operational practices, financial accountability, performance metrics, establishment/sunsetting of facilities.

KEY PE	RSITY CORE FACILI RFORMANCE INDI ated November 2020)		
Priority Tier	Priority Objective	KPI Category	Optional Sub-categories	Units	Definition/Explanation
1	Research	Grants	Grants supported	number	All grants and contracts, whether federal, state, local, private or subcontracts thereof are housed within 3XX and 4XX accounts. A simple count of the number of 3 and 4 accounts used to pay for services will give us a reasonable count of the grants and contracts supported.
1	Research	Publications	Publications (refereed)	number	Count of publications during period. Can offer sub-sub-category to qualify at a later time.
2	Research	Grants	Core Facility Pilot Program	number	# of extramural grant proposals to be submitted with data generated
2	Research	Grants	Core Facility Pilot Program	number	# of new methods/protocols developed and offered to customer base as a whole
1	Education	Users	training provided	hours	Hours of training should be captured in iLab already as a subset of the usage. Number of "trainees" will be approximated using the "New Users" measure above.
2	Education	Grants	Core Facility Pilot Program	number	# of students to be trained
2	Education	Users	student users	number	The strategic goals are substantially about students & training. You could go through the list of trainees each quarter and identify which are students for academic education.
1	Collaboration	Users	Departments/Colleges represented	number	Total number is fine. This may or may not be easy depending on how long it takes to get the Departments setup, and Pis associated with them in iLab. Also, each lab group can be associated with multiple departments, so we might end up with some double counting.
2	Collaboration	Users	Institutions served	number	Total number unique institutions. Possibly list of names on drill down.
2	Collaboration	Users	Industry partners served	number	Total number companies
1	Sustainability	Financial	Institutional subsidization	percentage	% of subsidization based on total expenditures and recharge revenue
1	Sustainability	Users	total users served	number	Total number per period of time (e.g. each quarter) is fine. We can differentiate using the data from iLab, if necessary.
1	Sustainability	Users	External users served	number	Number of unique external users
1	Sustainability	Activity	total usage per instrument/service	hours/units	Pull hours/units of usage from iLab per instrument/service
2	Sustainability	Grants	Shared Equipment proposals	Count & \$ Requested	# of proposals submitted, amount requested and indication of whether funded.
2	Sustainability	Grants	Equipment Enhancement Fund	number	# of proposals submitted, with indication of whether funded

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ACTION PLAN

STRATEGIC & SUSTAINABLE FUNDING

lack of coordinated, institutional strategic prioritization and investment decisionmaking resulting in redundancy, underutilization, aging infrastructure, reactive capital investments, and faculty working autonomously.

Core	Revenue	Total Expenses	Operating Income (Loss)	Identified FY 2020 Investment	Estimated FY 2020 Investment Needed	Investment % FY 2021
Cryogenics and Gas	1,047,468	1,047,468	0	-	-	0.00%
Flow Cytometry	190,000	268,160	(78,160)	44,266	33,894	29.15%
Functional Genomics Core	72,000	267,340	(195,340)	111,270	84,070	73.07%
Imaging Cores		-			-	0.00%
Confocals, Marley	105,000	172,150	(67,150)	1 <u>11</u>	67,150	39.01%
Electron, Kuiper	100,000	503,714	(403,714)	100,928	302,786	80.15%
Electron & Light, LSN	87,500	197,644	(110,144)	-	110,144	55.73%
Machining and Welding	430,000	536,649	(106,649)	-	106,649	19.87%
Mass Spec	150,000	625,556	(475,556)	163,693	311,863	76.02%
NanoFab	50,000	266,210	(216,210)	-	216,210	81.22%
Translational Bioimaging Resource	358,500	637,159	(278,659)	278,659	<u></u>	43.73%
UAGC		-			-	0.00%
Research	1,100,000	1,511,881	(411,881)	-	411,881	27.24%
Clinical	165,000	542,062	(377,062)	-	377,062	69.56%
Operations Subtotal	3,855,468	6,575,993	(2,720,525)	698,816	2,021,709	41.37%
Business & Support Services						
Business Services		384,414	(384,414)	806,105	(421,691)	100.00%
Information Technology	-	572,117	(572,117)	-	572,117	100.00%
Total Operational Needs:	3,855,468	7,532,524	(3,677,056)	1,504,921	2,172,136	48.82%

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IDENTITY & COMMUNICATIONS

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https://cores.arizona.edu



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https://cores.arizona.edu

Research Gateway Contact Login Directory Events Research Innovation & Impact Q, Search Site HOME FOR RESEARCHERS + STUDENTS ABOUT + FACILITIES + FOR BUSINESS STORIES + Facilities / Facilities **Core Facilities Core Facilities** The University of Arizona is home to a host of research Institutes and Centers resources called core facilities or cores-highly Museums specialized testbed facilities available for use by faculty, students, and scientists in government and industry. The Telescopes core facilities provides users with access not only to the Please contact the core director or manager latest instrumentation, but also to experienced staff with or visit the facility's website to determine the expertise in designing and conducting experiments and availability and fee structure. Investigators outside of the University of Arizona are analyzing data. invited to inquire about the availability of instruments and services by contacting the Our core facilities are: appropriate core director or manager. If you publish or receive grants using data or Unique: Capabilities are not available elsewhere on campus tools generated within our Core Services. and, in many cases, within the region please · Enabling: Open to a broad range of research, fostering a Acknowledge the Core Services' culture of interdisciplinary collaboration contributions (see individual pages for · Accessible: In centralized locations to make them equally information on how to cite a specific core service) accessible to all users Consider authorship for more significant · Sustainable: Generally recover their cost, or a portion of intellectual and planning contributions their cost, by charging user fees Notify the core director or manager of publications and awarded grant applications to help us to track and update our records that are required to Not sure where to start? Email your question to: maintain our quality services RESEARCHSERVICES@EMAIL.ARIZONA.EDU RII University Core Facilities **Organizational Chart** Search Facility Type Reset □ Microbiome RII University Core Facilities RII-Funded **Governance Policy** Animal Technologies □ Bioinformatics, Biostatistics, and Computing RII University Core Facilities Biomedical Faculty Research Advisory Committees (FRAC) Analytical & Biological Mass Spectrometry Facility The Mass Spectrometry Facility provides state-of-the-art support in a variety of research areas on-and off-campus. Services include molecular weight and chemical composition determinations, structure...

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Annual User Survey

- Solicits current and future needs, assess success of Core, etc.
- Conducted by FRAC

Annual Review & Report

- Key accomplishments, financial review, goal-setting, performance evaluation, recommendations to RII Leadership.
- Prepared by Operations Director (with input from other stakeholders), reviewed by Steering Committee, posted on website.

Core Facilities Steering Committee

- Composed of FRAC Leads, RII Leadership, RPC representative
- Reviews Cores facility performance and Annual Report recommendations.
- Advises overall institutional strategy
- Meets 2x per year

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PLANNING FOR THE FUTURE

ENGAGEMENT, ENGAGEMENT, ENGAGEMENT

- Faculty Research Advisory Committees
- College Leadership
- Industry

DEVELOP COMPREHENSIVE STRATEGIC PLAN

- Research
- Education
- Collaboration
- Sustainability

IMPLEMENT, ASSESS & REFINE

- KPIs
- Institutional strategic priorities

