Results of Survey on Research Cores
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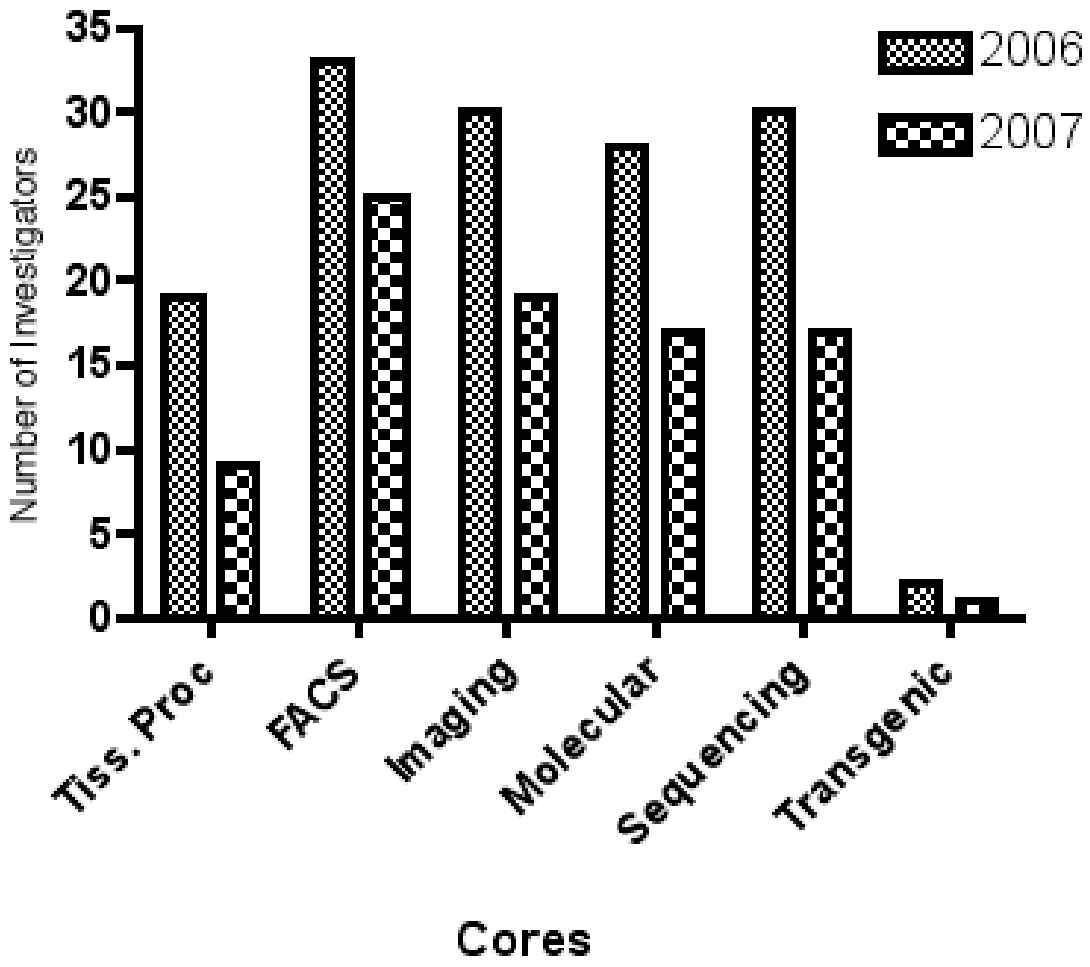
This powerpoint provides some general information concerning research core utilization. The results of a faculty survey conducted in May, 2007 are included.

Core Utilization (number of faculty by department)

	2006	2007
Pathology	11	10
CBN & Anatomy	10	6
Micro/Immuno	10	10
Pharmacology	7	7
Medicine	6	4
Surgery	3	4
Physiology	2	1
All others	9	6
% of research faculty who use cores	65% (57/88)	38% (36/96)

Utilization of Individual Cores



Faculty Survey – May 2007

General conclusions

- 23 research intensive faculty (24%) responded.
- There is general satisfaction with the services.
- The need for a Tissue Bank core was reaffirmed.
- There is a need for microarray/proteomics services.
- There is significant outsourcing of services.
- Generally, comments related to –
  - technical support
  - instrument upgrades
  - pricing

Survey Results

Number of faculty responding to the question, “How often do you use core services?” (1=never; 2=<3 mo/yr; 3=3-11 mo/yr; 4=monthly; 5=weekly)

Cores	1	2	3	4	5
Bioinformatics	19	3		1	
Biostatistics	16	4	2		
DNA Sequencing	7	5	3	2	6
FACS	11	4	4	2	2
Imaging	9	5	4	4	
Molecular	17	5			1
Tissue Bank	22		1		
Tissue Processing	15	4	4		
Transgenic/Surgery	22		1		

Survey Results

Number of faculty responding to the question, “How satisfied are you with the QUALITY of core services?” (1= very dissatisfied; 5 = very satisfied)

Cores	1	2	3	4	5
Bioinformatics			2	1	2
Biostatistics			1	3	1
DNA Sequencing	2	2	3	5	4
FACS			1	4	5
Imaging	1	1	2	5	3
Molecular	2		3	2	
Tissue Bank		1			
Tissue Processing	1		3	2	1
Transgenic/Surgery					1

Survey Results

Comments on the quality of cores? (general themes)

▪Turn around time slow/excellent ▪Too expensive ▪Need to advertise services ▪Outside sources more reliable	▪Poor maintenance of equipment ▪Need updated instruments ▪Technical support outstanding

Survey Results

Number of faculty responding to the question, “How important are the following core services for future grant applications?” (1= unimportant; 4 = very important)

Service	1	2	3	4	Average
DNA Sequencing	4	7		10	2.8
Confocal	0	3	6	13	3.5
Electron microscopy	1	9	5	7	2.5
Flow cytometry	6	2	6	8	3.1
Cell sorting	4	3	8	5	2.7

Survey Results

How important are the following core services for future grant applications? (continued.) (1= unimportant; 4 = very important)

Service	1	2	3	4	Average
Tissue Processing	7	6	6	3	2.2
Real time-PCR	8	3	7	4	2.3
Transgenics	9	3	8	2	2.1
Surgical Assistance	11	10	1		1.6
Immunostaining	9	8	1	4	2.0

Survey Results

How important are the following core services for future grant applications? (continued.) (1= unimportant; 4 = very important)

Service	1	2	3	4	Average
Bioinformatics	6	5	6	5	2.5
Biostatistics	6	4	6	5	2.5
Tissue Banking	11	6	2	3	1.9

Survey Results

What other core services are important for future grant applications?

▪Microarry core ▪Animal imaging ▪4 color confocal* ▪FRET*	▪Proteomics ▪Plasmid vector repository ▪HPLC ▪Biophysical analysis

* These have been addressed with the new confocal on order

Survey Results

Percent of respondents who felt the following factors positively influenced use of the cores.

Availability of instrumentation – 70%
Availability of expertise – 65%
Convenience – 65%
Cost – 39%

Survey Results

Percent of respondents who felt the following factors negatively influenced use of the cores.

Lack of instrumentation – 35%
Lack of expertise – 43%
Convenience – 15%
Cost – 43%
Outside collaborations – 22%

Survey Results

Do you outsource any core services?

Yes - 74% (17/23)

No - 22% (5/23)

Survey Results

What services are you outsourcing?

▪Transgenics - 4 ▪Genomics/Array - 5 ▪Real time PCR - 2 ▪Informatics ▪Immunocytochemistry ▪MS analysis ▪antibody production	▪Proteomics - 7 ▪Confocal Imaging – 3 ▪DNA sequencing - 6 ▪Electron Microscopy ▪Histology ▪animal care

Survey Results

What suggestions or concerns do you have regarding CURRENT core services?

▪FACS Core is excellent ▪Level of expertise ▪DNA sequencing good, but limited	▪Better advertising of services ▪Need for LC/MS ▪Need instrument upgrades (sequencing, confocal)

Survey Results

What suggestions or concerns do you have regarding FUTURE core services? (General themes. See specific comments.)

▪No knockout facility ▪Improve level of expertise ▪Review outsourcing expensive techniques	▪Animal imaging essential ▪Build Proteomics/Biophysical analysis core ▪Review cost-effectiveness of cores

Projects completed in FY 2007

- Consolidated cores under Research Office – appointed directors and established budgets.
- Biostatistics and Bioinformatics Cores completed.
- Advertised services – Research Days
- Revised grant Routing Form to capture faculty requirements
- Surveyed faculty