
Results of Survey on Research Cores May, 2006

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This powerpoint provides some general information concerning research core utilization. The results of a faculty survey conducted in May, 2006 are included.

Core Utilization

1. 65% (57/88) of research faculty use one or more cores.

2. Departmental breakdown

Pathology – 11

CBN & Anatomy – 10

Micro/Immuno – 10

Pharmacology – 7

Medicine – 6

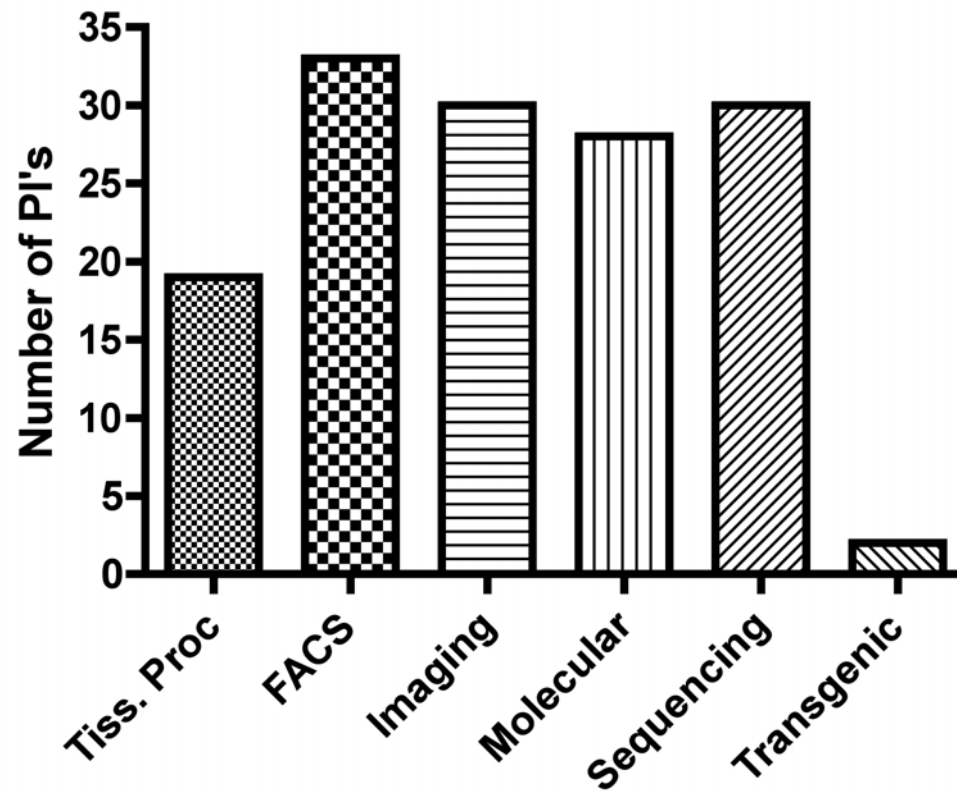
Surgery – 3

Physiology – 2

All others - 9

3. 75% (47/63) of funded faculty use one or more cores.

Utilization by Individual Cores



Faculty Survey – General conclusions

- 37 research intensive faculty (42%) responded.
- There is general satisfaction with the services.
- There is a need for statistics/informatics services.
- There is a need for a tissue bank core.
- There is a need for microarray/proteomics services.
- Utilization of transgenic core is low with mixed satisfaction.
- There is significant outsourcing of services.
- Common suggestions/concerns relate to –
 - technical support
 - instrument upgrades
 - advertising of services
 - pricing

How often do you use core services? Number of faculty responding in each category (1=never; 2=<3 mo/yr; 3=3-11 mo/yr; 4=monthly; 5=weekly)

Core	1	2	3	4	5
Sequencing	20	4	7	3	3
Imaging	16	8	6	6	1
FACS	17	10	4	3	3
Histology	23	7	3	4	0
Molecular	21	6	2	4	4
Transgenic	33	1	1	1	1

Average number of lab personnel (Post Docs, Students, Techs) who use core services.

Core	Average Number
Sequencing	3.24
Imaging	1.95
FACS	1.85
Histology	1.71
Molecular	1.87
Transgenic	1.75

How satisfied are you with the QUALITY of core services? Number of faculty responding in each category (1= very dissatisfied; 5 = very satisfied)

Core	1	2	3	4	5
Sequencing	2	2	3	10	2
Imaging	1	2	3	10	3
FACS	0	0	2	9	9
Histology	0	0	0	8	5
Molecular	1	5	5	5	0
Transgenic	0	1	2	1	0

Comments on the quality of cores? (general themes)

- Turn around time slow/excellent
- Limited support/trained personnel
- Too expensive
- Need to advertise services

- Poor maintenance of equipment
- Need updated equipment
- Don't use core because have access to other equipment
- Poor quality

How important are the following core services for future grant applications?
Number of faculty responding in each category (1= unimportant; 4 = very important)

Service	1	2	3	4
Sequencing	3	3	10	10
Confocal	0	3	11	16
Electron microscopy	3	6	10	10
Flow cytometry	0	3	10	13
Cell sorting	1	2	13	10

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

Service	1	2	3	4
Histology	1	3	8	8
RT-PCR	3	3	7	14
Transgenics	2	3	6	7
Surgical Assistance	4	7	5	2
Immunostaining	4	7	7	3

What other core services are important for future grant applications? (Verbatim comments)

- Microarray core!!!!!!!!!!!!
- Affymetrix
- Cell Culture
- Mass Spectrometry Services
- Quantitative PCR (Real time PCR)
- DNA chip array
- 2 D ELP
- Gene Array
- RT-PCR/in situ

- comparative medicine
- Proteomics
- Molecular Biology
- Antibody generation services
- Snp
- Biacore Instrument for protein/protein interactions
- Computerized protein molecular modelling services

In the last 5 years how many of your grants have included Bioinformatics?
(Sixteen total responses was 43% of faculty responding).

Number of Grants	Responses
1	5
2	4
3	2
>3	5

How important is an Informatics/Statistics Core to future grant applications?
Number of faculty responding in each category (1=unimportant; 4=very important)?

Importance	Responses
1	2
2	0
3	21
4	12

How important is a Tissue Bank Core to future grant applications? Number of faculty responding in each category (1=unimportant; 4=very important)?

Importance	Responses
1	2
2	5
3	8
4	13

What would improve your use of cores for future applications? (General themes.)

- Improved technical support
- Statistical support
- More modern equipment
- Competitive prices

- Advertise services
- Need - Animal CBC's
 - Phosphoimager
 - Antibody production
 - Microarray/informatics

Survey Results

Do you outsource any core services?

Yes - 68% (25/37)

No - 32% (12/37)

What services are you outsourcing?

- Transgenics
- Genomics/Array
- Informatics/Computational Biology
- DNA sequencing
- do our own histology
- Tandem Mass spectrometry
- monoclonal antibody production

- Proteomics
- Confocal Imaging
- Electron Microscopy
- mouse CBC
- Statistics
- animal breeding and aging
- peptide synthesis

What suggestions or concerns do you have regarding CURRENT core services?
(General themes.)

- Imaging Core hours
- Improved technical support
- Outsource/form consortia
- Consolidate cores

- Need to advertise
- Need for Proteomics
- Instrument upgrades
- Competitive prices

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

- Improved confocal imaging
- Improved technical support
- Outsource/contract services
- Help developing cell lines
- Importance of cores for recruitment/retention of faculty

- Need to advertise
- Need for Proteomics/Informatics
- Instrument upgrades
- Competitive prices
- Need behavioral core
- Need grant-writing services