

Campus Wide Needs Assessment Survey

Thank you for completing this campus wide needs assessment survey. The objective of this survey is two-fold. The first objective is to identify current areas of active research on campus and the extent of collaborative research. The second objective is to evaluate the needs of the campus in the areas of research, education, service and development.

Department: _____

School: _____

Your Title: _____

Research Interests

Are you involved in your own research project or a collaborative research project [currently or planned in near future]?

- Yes
- No

If Yes, Directed to the following Questions

1. Please choose a category that best describes your area of research.
 - Basic Science Research
 - Clinical Research
 - Epidemiological or population sciences research
 - Mathematical, statistical or computational sciences research
 - Other _____

2. Please describe briefly your area of research [Free Text box]

3. How many people are in your lab / research group (e.g., students, post-docs, staff / technicians)
 - 1-2
 - 3-5
 - 6-10
 - 11-15
 - 16-20
 - >20

4. Does your research program involve any of the following computational activities (current or planned). Please check all that apply.
 - Gene Finding
 - Systems Modeling
 - Protein Structure Prediction / 3-D Modeling
 - Sequence Alignment

- Phylogenetic Analysis
 - Gene Network Modeling
 - Homology Searches / NCBI BLAST
 - Gene Function Predictions
 - Data Mining / Querying Public Databases
 - Data Integration
 - Parallel / Distributed Computing
 - Computer Programming / Software Distribution
 - Building / Maintaining Web-Based Databases (Individual or Consortium)
5. Does your research program involve any of the following statistical activities (current or planned). Please check all that apply.
- Statistical Analysis of Microarray Data
 - Statistical Analysis of Proteomic Data
 - Linkage Analysis
 - Association Studies
 - Time Series Analysis
 - Observational or epidemiological studies (e.g, Case – Control or Cohort)
 - Survival Analysis
 - Clinical Trials
 - Regression, ANOVA and multivariate analysis
 - Classification and prediction analysis (e.g., classification and regression trees, discriminant analysis, neural network)
 - Analysis of complex survey data
 - Descriptive Statistics
6. Does your area of research include any of the following **technologies**?
- Genomic Sequencing
 - Microarray / Expression Arrays (e.g., 1 or 2 channel cDNA, Affymetrix, SAGE, Filter Arrays, Tissue Array, etc)
 - Proteomics / Protein Expression (e.g, Mass spectrometry, Protein Arrays)
 - Genetic Mapping (Quantitative Trait Loci (QTL), Microsatellites, Single Nucleotide Polymorphism (SNPs) markers etc)
 - Digital Imaging Analysis
 - High Performance Computing
 - None of the Above
7. In your research collaborations, are you mainly collaborating with
- Investigators at OHSU
 - Investigators from other institutions / agencies
 - Both
 - Not collaborating with other Investigators

8. If you are currently collaborating with other investigators, please describe their area of research (e.g, Statistics, Computer Science, Epidemiology, Surgery etc.) [Free Text Box]

9. What is the major limitation to your research program at this time? (Check all that apply)

- No / Limited Grant Funds
- Limited Computing Power
- Lack of Collaborators
- Lack of Statistical Support
- Lack of Computational / Informatic Support
- Other _____

10. If your research depends on statistical, visualization or informatic software, is the software (check all that apply):

- Commercial (OHSU site license)
- Commercial (no OHSU site license)
- Shareware
- In-house (e.g., developed by your group or a collaborator)

11. Is there a software program that you think OHSU should acquire a site license for? [Free Text]

12. Please rate your need for the following statistical assistance in your research

	Often Need	Sometimes Need	Unsure	Rarely Need	Never Need
Questionnaire development					
Data entry					
Data preparation for analysis					
Protocol development or study design					
Sample size/power calculations					
Data analysis planning					
Data analysis and interpretation					
Manuscript preparation and/or revision					
Training – applied (e.g., statistical software use)					
Teaching – biostatistics theory or methods					

13. Please rate your need for the following computational assistance in your research

	Often Need	Sometimes Need	Unsure	Rarely Need	Never Need
Data Archiving					
Data Distribution / web-based database					
Development of large scale research database, LIMS system, etc.					
Maintenance of Current Databases					
Software Development					
Software Maintenance / Distribution					
Computational Modeling					
High Performance Computing					
Data Integration					
Image Analysis					
Training – applied (e.g. computational software use)					
Teaching – Computer Science, Computational Biology, (e.g., Algorithm development, Database Theory etc)					

14. Do you currently budget funds for computational and statistical support in your grants?

- Computational Support only
- Statistical Support only
- Both
- Neither

15. Have you ever been in need of biostatistical support services for research conducted at OHSU?

- Yes
- NO

If Yes to 14 - directed to following questions:

15A. How easy was it for you to obtain these services ?

- Easily
- After some delay /difficulty
- Never

15B. If yes, where did you receive those services (check all that apply)?

- On-campus biostatistics faculty. Please identify: _____
- On-campus research support staff. Please identify: _____
- Off-campus: Please identify: _____

16. Which public databases do you routinely use (excluding literature databases, e.g. PubMed)? [Free text box]

Education / Professional Development

1. Have you received any formal training in biostatistics, computer science, informatics or bioinformatics / computational biology, while at OHSU?

- Yes
- No

2. If so, what type of training was it?

- Single or short-term lectures
- Hands-on applied workshop or course
- Professional, Masters or Doctoral Degree

3. Would you or your research staff/students be interested in any of the following programs if they were offered at OHSU? Note: This could be for you personally or to attract students / postdocs to your group.

- Professional Degree in Bioinformatics (Applied)

- ❑ Masters Degree in Computational Biology (Theory and Research)
 - ❑ Short Courses / Workshops in computational approaches to functional genomics, imaging etc.
 - ❑ Short Courses / Workshops on applied research software packages (e.g., GCG, Genehunter etc.)
 - ❑ Professional Degree in Biostatistics (Applied)
 - ❑ Masters Degree in Biostatistics (Theory and Research)
 - ❑ Short Courses / Workshops on statistical software Packages (SAS, STATA, Splus, R, Statistica etc.)
 - ❑ Short Course / Workshop on analysis of microarray data
4. What statistical, computational or information science courses would you most like to see offered at OHSU? [Free text]