

Principal Area of Research or Work

- Administration
- Biochemistry
- Bioengineering
- Bioinformatics
- Cell Biology
- Diagnostics/Pathology
- Drug Discovery
- Genomics/Genetics
- Immunology
- Marketing/Sales
- Microbiology/Virology
- Molecular Biology
- Neuroscience
- Pharmacology/Toxicology
- Proteomics
- Purchasing
- Other (please specify)

Which best describes your purchasing authority?

- Authorize
- Recommend
- Evaluate
- None of the Above

What techniques or technologies do you use in your lab? (Check all that apply)

- Capillary Electrophoresis
- Gene Transfer
- Real-time PCR
- Nucleic Acid Labeling and Detection
- Protein Sequence Analysis
- RNA Isolation & Purification
- Mass Spectrometry
- Recombinant Protein Expression
- Chromatography
- Nucleic Acid Synthesizers
- Microarray Analysis
- Robotics/Automation
- DNA Isolation & Purification
- Gene Targeting
- Electrophoresis
- Vector Design/Construction
- Laser Capture Microdissection
- Mutagenesis

Nucleic Acid Hybridization
Gene Expression Analysis
Nucleic Acid Sequence Analysis
High-Throughput Screening
PCR/RT-PCR
Protein Isolation & Purification
Protein Microarrays
Protein Crystallization
Protein-DNA interaction Analysis
Protein-Protein Interaction Analysis
Cell/Tissue Culture
SNP Analysis
DNA Microarrays
Image Analysis
RNAi
Microscopy
Spectroscopy
Antibody-Based Technologies
2D Electrophoresis
Other (please specify)

Are you planning to start a new lab?

Yes: within 0-3 months
Yes: within 3-6 months
Yes: within 6-9 months
Yes: Within 9-12 months
Yes: >12 months
No

Which of the following equipment/systems do you plan to purchase in the next 3-6 months?

Fume hoods
Microfluidics equipment
Nucleic Acid Synthesizers
Mass Spectrometers
HTS Plate Handling/Storage
Hybridization Ovens
Incubators
Autoclave/Sterilizers
Nucleic Acid Sequencers
DNA Array Equipment
HPLC/FPLC Systems
Gel Electrophoresis Systems
Water Purification Systems

Imaging/Gel Documentation Systems
Spectrophotometers
Flow Cytometers
HTS Workstations
Microscopes
Peptide Synthesizers
Clean Room Equipment
Heating Blocks
Centrifuges
Real Time Thermal Cyclers
Balances
Thermal Cyclers
Tissue Culture Hoods
Water Baths
2D Electrophoresis Systems
Cell Analyzers

Are you currently using protein arrays?

Yes
No

Are you planning to use protein arrays?

Yes, in 0-3 months
Yes, in 3-6 months
Yes, in 6-12 months
Yes, in >12 months
No

For which of the following are you using protein arrays?

Diagnostics
Proteomics
Library Screening
Functional Protein Analysis
None of the Above/Other (please specify)

Which of the following are you studying with protein arrays?

Angiogenesis
Apoptosis
CD Markers
Cell Adhesion
Cell Cycle
Cell Signaling / Signal Transduction
Cytokines and Growth Factors
Cytoskeleton

DNA Damage and Repair
Infectious Disease
Neurobiology
Nuclear Function
Phosphorylation State
Immunoglobulin Specific
Transcription Factors / Regulation
Translational Control
None of the Above/Other (please specify)

What type of protein arrays do you use or plan to use?

Protein-antibody
Protein-protein
Receptor-ligand
Protein-drug
Enzyme-substrate
Protein-DNA
None of the Above/Other (please specify)

In your opinion, which of the following are the biggest challenges in using protein arrays? (check all that apply)

Cross-reactivity of antibodies
Sensitivity
Photo-bleaching
Data analysis
Protein production
Maintaining protein functionality
Data storage
Protein coupling to array support
Availability of antibodies
Array stability
None of the Above/Other (please specify)

Which of the following do you use or prefer to use as support for protein arrays?

Glass slides
Silicon
Microwells
Nitrocellulose
PVDF membranes
Microbeads
None of the Above/Other (please specify)

How much do you have budgeted for protein array equipment for 2004?

US\$ 0-50,000

US\$ 50,000-100,000
US\$ 100,000-500,000
US\$ 500,000-1,000,000
US\$ >1,000,000

How much do you have budgeted for protein array consumables (antibodies, slides, etc.) for 2004?

US\$ 0-10,000
US\$ 10,000-20,000
US\$ 20,000-30,000
US\$ 30,000-40,000
US\$ 40,000-50,000
US\$ >50,000

Do you make your own protein arrays?

Yes
No

If so, how do you produce protein for your arrays?

Cell-based expression of recombinant proteins
Cell-free *in vitro* translation
Purification from natural sources
Synthetic peptide methods
None of the Above/Other (please specify)

How much do you have budgeted for protein production reagents (cell media, etc.) for 2004?

US\$ 0-10,000
US\$ 10,000-20,000
US\$ 20,000-30,000
US\$ 30,000-40,000
US\$ 40,000-50,000
> US\$ 50,000

Do you use or plan to use pre-made arrays?

Use
Plan to use
Neither

Do you use or plan to use custom pre-made arrays?

Use
Plan to use
Neither

Which of the following do you own?

- An automatic arrayer
- A manual arrayer
- An array reader
- None of the above

Which of the following do you plan to purchase in the next 3-6 months?

- An automatic arrayer
- A manual arrayer
- An array reader
- Array image analysis software
- None of the above

What influences your decision to purchase protein array equipment?

- Cost
- Software package
- Brand name
- Technical support
- Colleague suggestions
- Sales representative
- None of the Above/Other (please specify)

Do you have access to a protein array core lab?

- Yes
- No

What would you like included in a protein array kit? (check all that apply)

- Premade buffers
- Slides
- Nylon membranes
- PVDF membranes
- Microbeads
- Antibodies
- None of the Above/Other (please specify)

Do you use microbeads?

- Yes
- No

If yes, which of the following do you use (check all that apply)?

- Pre-coated beads
- Coat-your-own beads