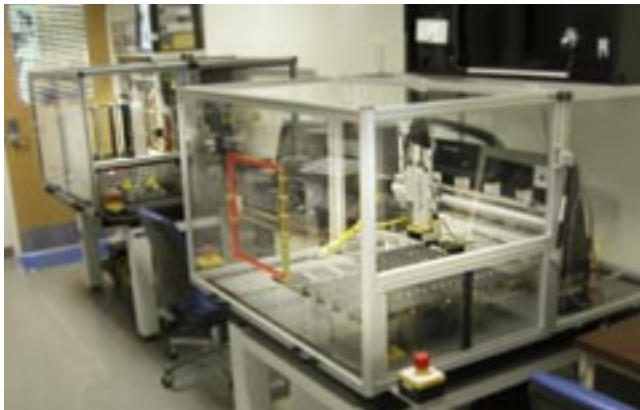




Center for Applied Genomics

Microarrays, Bioinformatics, Collaborative Research and Technology Development

The Center for Applied Genomics (CAG), a division of the Public Health Research Institute and the Institute of Genomic Medicine at the New Jersey Medical School, is a leading academic based research center focused on the application and development of DNA and protein microarray technology.



The CAG features the most widely used microarray platforms currently available including a complete spotted microarray system for producing, processing and scanning DNA and protein microarrays and the Affymetrix GeneChip™ Instrument System for processing Affymetrix GeneChips™. We also support a variety of commercial spotted microarray systems including Agilent arrays.

Experimental Design, Chips, Protocols and More

The center provides the technical expertise to ensure the success of any microarray-based experiment. Our professional staff works directly with researchers providing the protocols and training for array processing and making recommendations on experimental design strategies to optimize the statistical confidence of the acquired data.

Bioinformatics

The CAG has a dedicated Ph.D. level Bioinformatics Specialist and technical team to provide comprehensive microarray data analysis support. The center incorporates the latest methods of data analysis and utilizes the best public and commercial software packages as well as custom tools developed at the CAG.



Service, Support and Collaboration

The Center for Applied Genomics is an experienced and proven facility and has provided full support for more than 200 collaborators and service customers over the past 8 years. We have produced, processed and distributed thousands of microarrays to researchers around the world.



“We strive to maintain the highest quality standards and pride ourselves on our many successful projects. Maintaining a close working relationship with our collaborators is an important aspect of our success.”

–Dr. Patricia Soteropoulos, Director CAG

“We have been pleased with performance of CAG arrays. Quality control is excellent and delivery timely”

– W. Ian Lipkin, M.D., Director and Jerome L. and Dawn Greene Professor of Epidemiology, Jerome L. and Dawn Greene Infectious Disease Laboratory, Mailman School of Public Health, Professor of Neurology and Pathology, College of Physicians & Surgeons, Columbia University.

Resources and services available at the CAG:

- Affordable DNA microarrays
- Custom chip printing services
- Processing and scanning of Affymetrix GeneChips™
- Processing and scanning of Agilent Arrays
- Data Analysis support
- Collaborative research initiatives
- Microarray technology development
- Microarray methods and data analysis training

The CAG currently prints and distributes the following spotted oligonucleotide arrays:

- Human 19K
- Human 35K
- Mouse 15K
- Mouse 22K
- Rat 8K
- miRNA
- *Bacillus subtilis* genome
- Human Cytomegalovirus genome
- *Mycobacterium tuberculosis* genome
- Microarrays customized to your research needs

For the latest information on our research programs, details of our arrays and a list of publications, visit our website at www.cag.icph.org

For more information on obtaining arrays and services or proposing a collaborative research project, please contact:

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