GENOME RESEARCH

... the new genetics

Here's why:

1. Genome Research publishes the best and most creative research on physical and genetic mapping, DNA sequencing, gene discovery, informatics, statistical and mathematical methods, technology development, and gene function.

A Novel In Vivo Method to Detect DNA Sequence Variation
Malek Faham and David R. Cox

The Genexpress Index: A Resource for Gene Discovery and the Genic Map of the Human Genome
Rémi Houlgatte, Régine Mariage-Samson, Simone Duprat, Anne Tessier, Simone Bentolila, Bernard Lamy, and Charles Auffray

A Biometrical Genome Search in Rats Reveals the Multigenic Basis of Blood Pressure Variation
Nichola J. Schork, Josä E. Krieger, Maria R. Trolliet, Klebber G. Franchini, George Koike, Eduardo M. Krieger, Eric S. Lander, Victor J. Dzau, and Howard J. Jacob

Karyotype Distributions in a Stochastic Model of Reciprocal Translocation
David Sankoff and Vincent Ferretti

A Physical Map of Chromosome 2 of Arabidopsis thaliana
Eve Ann Zachgo, Ming Li Wang, Julia Dewdney, David Bouchez, Christine Camilleri, Stephen Belmonte, Lu Huang, Maureen Dolan, and Howard M. Goodman

2. Genome Research supplements and enhances editorial content with electronic presentations on the World Wide Web.

Check out the example at http://www.cshl.org/journals/gr/supplement/ and on-line abstracts for 1996 issues.

3. Genome Research publishes review articles that put current research accomplishments into perspective.

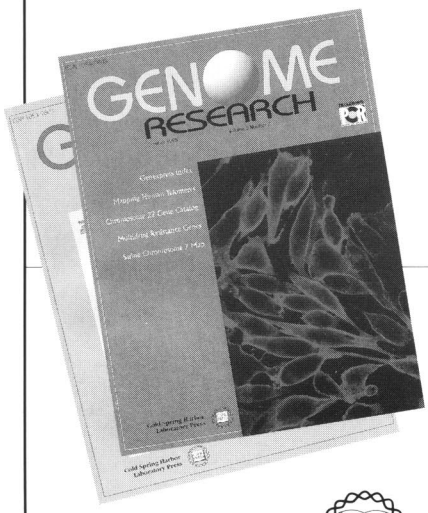
Hyper-recombination and Bloom's Syndrome: Microbes Again Provide Clues About Cancer
Rodney Rothstein and Serge Gangloff

Around the Genomes: The Drosophila Genome Project
Gerald M. Rubin

4. Genome Research is expanding the "PCR Methods and Applications" section to incorporate more methods germane to genome research — henceforth, the "Genome Methods" section.

Cross-screening: A New Method to Assemble Clones Rapidly and Unambiguously into Contigs
John Locke, Greg Rairdan, Heather McDermid, David Nash, David Pilgrim, John Bell, Kenneth Roy, and Ross Hodgetts

5. Genome Research has also begun publishing letters — concise reports describing the structure, sequence, expression, and/or other biologically relevant features of a gene, with supplementary data made available electronically.



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I.M.A.G.E. Consortium (LLNL) cDNA Resources

Individual cDNA Clones

Currently, over 300,000 5' and 3' sequences are deposited into public databases. Sequence data is searchable using the blast e-mail server at NCBI (blast@ncbi.nlm.nih.gov). Text is searchable for any information such as putative gene function using the dBest/GenBank query (http://www.ncbi.nlm.nih.gov/Web/Search/index.html). When ordering cDNA clones, please keep in mind that the clone ID # is the number assigned by I.M.A.G.E. Consortium, not the NCBI number or the Genbank accession number. The clones are shipped as a bacterial stab in LB agar.

Catalog No.	Description	Price
97002	Individual Clones	$45.00 for the first clone, $24.00 for each additional

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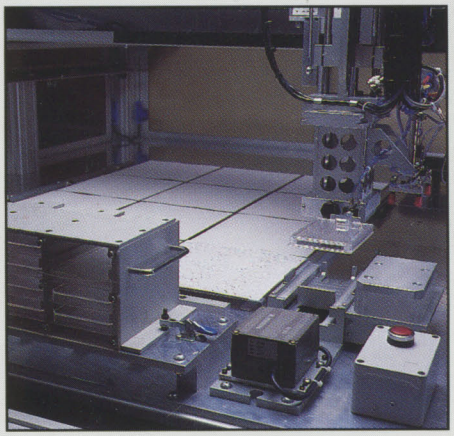
High density membranes allow for efficient hybridization screening of entire libraries. After spotting and growing, the high density membranes are processed by lysing the colonies and UV bonding the released DNA. Each 22cm x 22cm membrane is double spotted, from 384-well plates, in 6 fields using a 5 x 5 array. This spotting pattern allows unambiguous clone identification of over 27,000 clones double spotted on a single membrane. Protocols for screening with plasmids and PCR products are provided. Each membrane may be re-screened at least 5 times. Please call for current pricing information and reference catalog number 97003 for the cDNA membranes.



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Research Genetics also offers a custom hybridization screening service which locates cDNA clones from our I.M.A.G.E. Consortium (LLNL) cDNA libraries. To date, over 95% of all custom hybridization screenings have been successful.

- DNA in various forms may be used as probes: cDNAs, PCR fragments, ESTs, genomic fragments, YACs, BACs, cosmids, alu-PCR fragments, and long oligonucleotides (>40 mers)
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- Charge for the basic service (homologous probes with no repetitive sequence) for the I.M.A.G.E. Consortium (LLNL) cDNA libraries is $1,895 and includes one clone. Please reference catalog # 97040H.
- Additional clones may be purchased for $24 each
- Service is guaranteed - if no clones are located, there is no charge!

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