

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

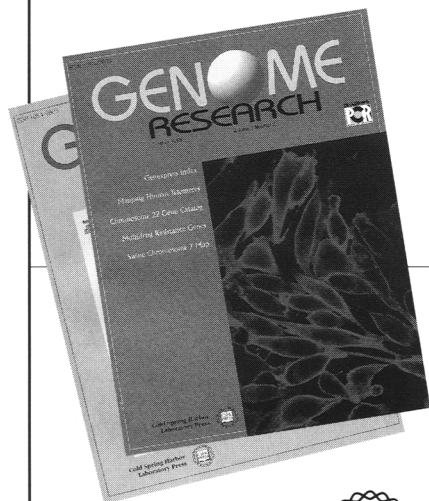
4. Genome Research is expanding the "PCR Methods and Applications" section to incorporate more methods germane to genome research — henceforth, the "Genome Methods" section.

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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GENEPAIRS™ Update

Primer Pairs for over 10,000 Human Genes



Working with various genome centers and overseas investigators, Research Genetics has produced over 10,000 gene-based STSs which are derived from single pass cDNA sequences, also called Expressed Sequence Tags or ESTs, that correspond to the 3' ends of cDNAs, which we market under the tradename GENEPAIRS™. GENEPAIRS™ are a subset of the more than 22,000 human STSs which we currently offer. Most are derived from the I.M.A.G.E Consortium cDNA clones. The expansion and sequencing of this massive resource was recently made possible by a substantial grant from Merck & Co. GENEPAIRS™ consist of two PCR primers which amplify a portion of a specific gene, usually from the 3' untranslated region. Most of these GENEPAIRS™ have been placed on various maps including the MIT Physical Map of the Human Genome, the GENEBRIDGE 4 RH map and/or chromosome assignment using a

human-rodent somatic cell hybrid panel. These markers all use the same PCR conditions and are available from stock. See our web page, at <http://www.resgen.com>, to search our most current list of GENEPAIRS™.

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