

April, 1995
Volume 4, Number 5

Editors

David Bentley
Sanger Centre
 Richard Gibbs
Baylor College of Medicine
 Eric Green
*National Center for Human Genome
 Research, NIH*
 Richard Myers
Stanford University School of Medicine

Editorial Board

Rakesh Anand
Zeneca Pharmaceuticals
 Johannes Bos
University of Utrecht
 Anne Bowcock
*University of Texas Southwestern Medical
 Center*
 Jeff Chamberlain
University of Michigan Medical School
 Nicholas Dracopoli
*National Center for Human Genome
 Research, NIH*
 Joe Ecker
University of Pennsylvania
 Ray Fenwick
Biodale Laboratories
 Kenshi Hayashi
*National Cancer Center Research Institute,
 Tokyo*
 Bernhard Horsthemke
University of Essen
 Pieter de Jong
Roswell Park Cancer Institute
 David Kemp
Menzies School of Health Research
 Mary-Claire King
University of California, Berkeley
 Ulf Landegren
University of Uppsala Medical Center
 Doug Marchuk
Duke University Medical School
 Chris Mathew
*UMDS Guy's & St. Thomas' Medical and
 Dental School*
 David Nelson
Baylor College of Medicine
 Debbie Nickerson
University of Washington School of Medicine
 Svante Pääbo
University of Munich
 Lena Peltonen
University of Helsinki
 Eric Spitzer
SUNY at Stony Brook
 Lap-Chee Tsui
Hospital for Sick Children, Toronto
 Rick Wilson
Washington University School of Medicine
 Steven Wolinsky
Northwestern University School of Medicine
 Maria Zapp
University of Massachusetts Medical Center

Managing Editor

Judy Cuddihy
Cold Spring Harbor Laboratory Press

RESEARCH

- 249 Genomic Fingerprinting by Microsatellite-primed PCR: A Critical Evaluation**
 Kurt Weising, Ross G. Atkinson, and Richard C. Gardner
- 256 Specific Amplification by PCR of Rearranged Genomic Variable Regions of Immunoglobulin Genes from Mouse Hybridoma Cells**
 José Berdoz, Thomas P. Monath, and Jean-Pierre Kraehenbuhl
- 265 DNA Fingerprinting of Crude Bacterial Lysates Using Degenerate RAPD Primers**
 Sameer A. Sakallah, Robert W. Lanning, and David L. Cooper
- 269 An Efficient and Optimized PCR Method with High Fidelity for Site-directed Mutagenesis**
 Qianwa Liang, Lisha Chen, and Armand J. Fulco
- 275 Multiple Fluorescence-based PCR-SSCP Analysis with Postlabeling**
 Hiroyuki Iwahana, Kyo Adzuma, Yoko Takahashi, Rumi Katashima, Katsuhiko Yoshimoto, and Mitsuo Itakura
- 283 Multiplex PCR of *bcr-abl* Fusion Transcripts in Philadelphia Positive Acute Lymphoblastic Leukemia**
 A. Lee, J. Kirk, S. Edmands, and J. Radich
- 288 Vir Typing: A Long-PCR Typing Method for Group A Streptococci**
 Don Gardiner, Jon Hartas, Bart Currie, John D. Mathews, David J. Kemp, and K.S. Sriprakash

TECHNICAL TIPS

- 294 Template Integrity Is Essential for PCR Amplification of 20- to 30-kb Sequences from Genomic DNA**
Suzanne Cheng, Yiming Chen, Joseph A. Monforte, Russell Higuchi, and Bennett Van Houten
- 299 Efficient Gene Synthesis by Klenow Assembly/Extension—*Pfu* Polymerase Amplification (KAPPA) of Overlapping Oligonucleotides**
Eugene W. Holowachuk and Mary S. Ruhoff
- 303 DNA Hybridization Analysis of PCR Products by Non-gel Sieving Capillary Electrophoresis**
Michiei Oto, Takeshi Suehiro, and Yasuhito Yuasa
- 305 Rapid Quantitative PCR for Determination of Relative Gene Expressions in Tissue Specimens**
Heinz-Josef Lenz, Charles Hill, Kathleen D. Danenberg, Lawrence L. Leichman, David G. Priest, and Peter V. Danenberg

(continued)