



METHODS • AND • APPLICATIONS

Editors

David Bentley
Sanger Centre
Richard Gibbs
Baylor College of Medicine
Eric Green
Washington University School of Medicine
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
Joe Ecker
University of Pennsylvania
Ray Fenwick
Dianon Systems, Inc.
Kenshi Hayashi
National Cancer Center Research Institute, Tokyo
Bernhard Horsthemke
University of Essen
Pieter de Jong
Lawrence Livermore National Laboratory
David Kemp
Menzies School of Health Research
Mary-Claire King
University of California, Berkeley
Ulf Landegren
University of Uppsala Medical Center
Doug Marchuk
University of Michigan 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

February, 1994
Volume 3, Number 4

RESEARCH

- 219 T-cassette Ligation: A Method for Direct Sequencing and Cloning of PCR-amplified DNA Fragments**
Hiroyuki Iwahana, Katsuhiko Yoshimoto, Toshiyuki Tsujisawa, and Mitsuo Itakura
- 225 Detection of DNA Sequence Variation via Deliberate Heteroduplex Formation from Genomic DNAs Amplified en masse in Population Tubes**
Gualberto Ruano, Amos S. Deinard, Sarah Tishkoff, and Kenneth K. Kidd
- 232 An Efficient Polymerase Chain Reaction Approach for the Quantitation of Multiple RNAs in Human Tissue Samples**
Adrian Puntschart, Kristin Jostarndt, Hans Hoppeler, and Rudolf Billeter
- 239 Amplification of DNA from Whole Blood**
J. Burckhardt

TECHNICAL TIPS

- 244 Amplification of Ancient Nuclear DNA from Teeth and Soft Tissues**
Scott R. Woodward, Marie J. King, Nancy M. Chiu, Marvin J. Kuchar, and C. Wilfred Griggs
- 248 Secondary Structure within PCR Target Sequences May Facilitate Heteroduplex Production**
E. Separovic and S.A. Nadin-Davis
- 252 Rapid Construction of Deleted DNA Fragments for Use as Internal Standards in Competitive PCR**
Chuan-Fang Jin, Marina Mata, and David J. Fink

(continued)