

CONGRESS

OF

GENETICS

BIRMINGHAM

Further information from:

The Secretary General:
Derek Smith
R.S.I.L.
The University of Birmingham
Edgbaston
Birmingham B15 2TT, UK.

Tel: 021 414 5888. Fax: 021 414 3850.

XVII INTERNATIONAL CONGRESS OF GENETICS

"Genetics and the Understanding of Life"

August 15–21 1993

INTERNATIONAL CONVENTION CENTRE, BIRMINGHAM, ENGLAND

President: Ralph Riley; Honorary President: Max Perutz

SCIENTIFIC PROGRAMME

PLENARY LECTURES: Richard Lewontin, Barry Hall, Elliot Meyerowitz, Obaid Siddiqi, Elizabeth Blackburn, French Anderson, Greg Winter, Walter Gehring, Henri Buc, Adrienne Clarke, Dick Flavell, Alec Jeffreys

FORTY SYMPOSIA: Behaviour; Cancer/HIV; Cell cycle; Cytogenetics; DNA structure/topology; Development; Epigenetics; Evolution; Gene expression; Genetic resources; Genome analysis; History; Human disease, diversity and genetics; Mutation/repair; Pathogens/host interactions; Population/ecological genetics; Quantitative genetics; Recombination; Senescence and cell death; Sex determination; Speciation; Transgenetics/breeding; plus a wide range of WORKSHOPS and POSTERS

PUBLIC AWARENESS PROGRAMME

DNA fingerprinting; Feeding the world; Human genetics; Origins and evolution; Diversity and conservation; Medical aspects; Current issues; The future

INTERNATIONAL COMMERCIAL EXHIBITION

Equipment; Instruments; Laboratory supplies; Software; Publishers

(9722)0

Keeping readers at the forefront of this rapidly advancing field

THE AMERICAN JOURNAL OF

HUMAN GENETICS

Published monthly for the American Society of Human Genetics by the University of Chicago Press

Since 1948 *The American Journal of Human Genetics* has provided an authoritative record of research and review relating to human heredity. The *Journal* focuses on applications of genetic principles in medicine, psychology, physical anthropology, and social services and on relevant areas of molecular and cell biology. Your annual subscription to *AJHG*, including approx. 2,300 pages, features

- original research articles, all peer-reviewed, most appearing 11–13 weeks after final acceptance
- critical commentaries, review articles, and book reviews
- a quarterly section on Human Genetics Education, including reports on instructional innovations and reviews of teaching materials
- announcements of conferences and employment/fellowship opportunities

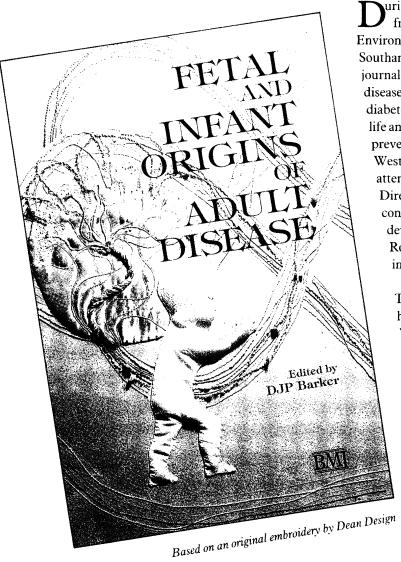
Researchers and clinicians in the biomedical sciences will find in *AJHG* the rapid progress and scientific rigor that characterize this field.

Editor: Charles J. Epstein, M.D., University of California, San Francisco

One-subscription rates: Nonmember individuals and institutions \$275.00. Student subscriptions available only as members of the American Society of Human Genetics (see below). Outside USA add \$24 for surface postage. Subscriptions entered on a calendar-year basis only. Visa and MasterCard payments accepted. To order send check, purchase order, or complete credit card information to The University of Chicago Press, Journals Division, Dept. SF3FA, P.O. Box 37005, Chicago, IL 60637, USA.

American Society of Human Genetics: Membership in the society includes a subscription to AJHG. For membership information, please write to the American Society of Human Genetics, Administrative Office, 9650 Rockville Pike, Bethesda, MD 20814, USA.

Are the ills of middle and later life rooted in our early development?



uring the past few years a series of articles, mostly from the Medical Research Council's Environmental Epidemiology Unit at the University of Southampton, has been published in leading medical journals. They set out the evidence that certain adult diseases, including coronary heart disease, stroke and diabetes originate in impaired development during fetal life and infancy. Because of the obvious implications for prevention of some of the commonest diseases in Western society, they have attracted international attention. In this book, Professor David Barker, Director of the Unit, has selected 31 articles that he considers seminal and a comprehensive guide to the development of this important topic. Professor Roger Robinson's introduction summarises and interprets the evidence for non-epidemiologists.

> The first chapters describe the origins of the hypothesis in geographical studies in England and Wales. These are followed by a series of studies of men and women in middle and late life whose early growth was recorded at the time. In those who have died, cause of death can be related to early growth. Examination of the living has allowed blood pressure, blood lipid and insulin concentrations, and other measurements to be related to different patterns of early growth. Together, the findings show that early development affects the risk of coronary heart disease, stroke, obstructive lung disease and diabetes at least as strongly as obesity, smoking and other aspects of adult life style.

Fetal and Infant Origins of Adult Disease brings together in one volume a body of work that cannot be ignored

Hardback ● Illustrations ● Tables ● 368 pages ● ISBN 0-7279-0743-3 UK £24.95; Abroad £30.00 (BMA members £22.95 or £28.00) including postage, by air abroad

		, 31 3, 2	
ORDER FORM	British Medical Journal, PO Box 295, London WC1H 9TE.		
Please send me	copy/ies of FETAL AND INFA	NT ORIGINS OF ADULT DISEASE	
NAME		Membership No	
ADDRESS		Cheque enclosed (made payable to British Medical Journal) £ Debit my AMERICAN EXPRESS/VISA/MASTERCARD	
		Card No Exp	
☐ Please send me a book cat	POSTCODE	Signature	

Human Molecular Genetics

In recent years the amount of research in human genetics has grown ever more rapidly. **Human Molecular Genetics** was faunched in April 1992 as a new high quality forum to bring together the best original research in this tast growing discipline. Papers of excellence are published on any aspect of the subject, including the molecular analysis of lower organisms where such studies are relevant to the understanding of the human genome. Areas of interest include:

- the analysis of the structure and function of human genes
- the molecular basis of human inherited disease and disease predisposition
- chromosome structure and function.
- developmental genetics
- molecular aspects of cancer genetics and genetic therapies.
- animal models of genetic disease
- approaches to gene therapy

- simply the best journal in its field...

Recent and forthcoming papers include:

Reconstruction of the 2.4 Mb human DMD-gene by nomologous YAC recombination. LT Den Dunner: P.M. Groetschelten: J.C. Dancerse: A.P. Walker A.P. Mennee: R. Burler: R. Ariand: A.J. Coffey: D.K. Bentlew: H.Y. Strensma and C.J.B. gan Ommen.

Somatic mutations of the APC gene in colorectal tumours, mutation cluster region in the APC gene, Y Miuoshi, H Nagase, H And. A Herri, S Ichii, S Nakatsuri, T Aost, Y Mid. T Morriand Y Nakamura.

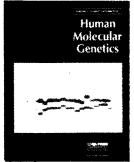
Identification and developmental expression of the Nenopus lacvis cystic ribrosis transmembrane conductance regulator gene. STFlicker: DTaim hill and CTFliggins

Executive Editors:

Kay E. Davies, Oxford, UK Huntington F. Willard, Cleveland, OH, USA

Editor, DNA Markers and Polymorphisms

Peter Pearson,
Baltimore, MD, USA



Editorial Board:

Philip Avner, Paris Andrea Ballabio, Houston Arthur Beaudet, Houston John Bell, Oxford Adrian Bird, Edinburgh Stephen Brown, Loudon Francis Collins, Ann Arbour Peter Goodfellow, London Philip Heiter, Baltimore Laurence Kedes, Los Angeles Katherine Klinger, Framingham Eric Lander, Cambridge Jacques Mallet, Gif-sur-Yvette Jean-Louis Mandel, Strasbourg Richard Myers, San Francisco Yusuke Nakamura, Tokyo Ben Oostra, Rotterdam David Porteous, Edinburgh Annemarie Poustka, Heidelberg Susan Povey, London Stephen Reeders, New Haven Arthur Riggs, Duarte Hans-Hilger Ropers, Nijmegen Larry Shapiro, San Francisco Grant Sutherland, Adelaide Paul Tolstoshev, Gaithersburg Lap-Chee Tsui, Toronto David Valle, Baltimore Gert-jan Van Ommen, Leiden Stephen Warren, Atlanta David Weatherall, Oxford Carol Westbrook, Chicaco Robert Williamson, London

ORDER FORM				
■ YES! Picase enter my personal subscription to Human Molecular Genetics Volume 2, 1993, 12 issues, at a cost of £75 - \$140.	☐ Tenclose my cheque payable to Oxford University Press☐ Please charge my Mastercard/Visa/American Express/Disc →			
Special Offer - subscribe to Volume 2 and receive Volume 1 19 issues in 1992) at a special rate!	Card NoExp. date			
YES! Please enter my personal subscription to Volumes 1 and 2 of Human Molecular Genetics at a cost of £125 \$235	Signature			
Duterent currencies apply as foliows: Esterling = Furope USS = Eisely tore: Name	These rates are only of plable to personal subscibers. Payment, by cheque credit card investacion prior an individual subscriber order. For institution corporate subscribers clease remit full subscription rate of £195/\$375 for Volume 2 or a special conditioned rate of £320/\$600 for Volumes 1 and 2. Subscribers in Lurope, i.e., please either send details of sales tax (VAT) registration, exemption, which local sales tax to prices quoted.			

Please return to: Journals Marketing Department (HH) ONe rd University Press, Walton Street, Oxford OX2 6DP, UK, Tel: +44,865,56767

LACK 44,861 Department, HH: Oxford University Press Inc., 2001 Evans Road, Cary, Note: Carolina 27513, USA, Tel: 919,677,617, 149,677,714