Announcement

The Executive Editors of *Genetical Research* have great pleasure in announcing that Volume 56 Numbers 2 and 3 will form a double issue in honour of Dr Mary Lyon, to mark her official retirement from the scientific staff of the Medical Research Council.

The following papers will appear in this issue:

- Insights into X chromosome inactivation from studies of species variation, DNA methylation and replication, and vice versa. By B. R. Migeon
- The search for the mouse X-chromosome inactivation centre. By S. Rastan & S. D. M. Brown
- The pattern of X-chromosome inactivation in the embryonic and extra-embryonic tissues of post-implantation digynic triploid LT/Sv strain mouse embryos. By S. Speirs, J. M. Cross & M. H. Kaufman
- Grammatical analysis of DNA sequences provides a rationale for the regulatory control of an entire chromosome. By S. Ohno
- Illegitimate pairing of the X and Y chromosomes in Sxr mice. By B. M. Cattanach, C. Rasberry, M. B. Burtenshaw & E. P. Evans
- Sex chromosome configurations in pachytene spermatocytes of an XYY mouse. By C. Tease
- The parental origin of de novo X-autosome translocations in females with Duchenne muscular dystrophy revealed by M27 β methylation analysis. By D. O. Robinson, Y. Boyd, D. Cockburn, M. N. Collinson, I. Craig & P. A. Jacobs
- Conserved loci on the X chromosome confer phosphate homeostasis in mice and humans. By C. R. Scriver & H. S. Tenenhouse
- Localization of the properdin factor complement locus (Pfc) to band A3 on the mouse X chromosome. By E. P. Evans, M. D. Burtenshaw, S. H. Laval, D. Goundis, K. B. M. Reid & Y. Boyd
- Genetic localization and phenotypic expression of X-linked cataract (*Xcat*) in *Mus musculus*. By J. Favor & W. Pretsch
- Hst-3: an X-linked hybrid sterility gene. By J.-L.
 Guénet, C. Nagamine, D. Simon-Chazottes, X.
 Montagutelli & F. Bonhomme
- The hairy ears (Eh) mutation is closely associated with a chromosomal rearrangement in mouse chromosome 15. By M. T. Davisson, T. H. Roderick, E. C. Akeson, N. L. Hawes & H. O. Sweet

- Deletion analysis of male sterility effects of *t*-haplotypes in the mouse. By D. Bennett & K. Artzt
- Inheritance of T-associated sex reversal in mice. By L. L. Washburn, B. K. Lee & E. M. Eicher
- Expression of three t-complex genes, Tcp-1 D17Leh117c3, and D17Leh66, in purified murine spermatogenic cell populations. By K. R. Willison, G. Hynes, P. Davies, A. Goldsborough & V. A. Lewis
- Yeast artificial chromosomes: an alternative approach to the molecular analysis of mouse developmental mutations. By Z. Larin & H. Lehrach
- Use of triple tissue blastocyst reconstitution to study the development of diploid parthenogenetic primitive ectoderm in combination with fertilization-derived trophectoderm and primitive endoderm. By R. L. Gardner, S. C. Barton & M. A. H. Surani
- Death of mouse embryos that lack a functional gene for glucose phosphate isomerase. By J. D. West, J. H. Flockhart, J. Peters & S. T. Ball
- Genome imprinting phenomena on mouse chromosome 7. By A. G. Searle & C. V. Beechey
- Parental influences on expression of glucose-6-phosphate dehydrogenase, *G6pd*, in the mouse; a case of imprinting. By J. Peters & S. T. Ball
- Genome cryopreservation: a valuable contribution to mammalian genetic research. By P. H. Glenister, D. G. Whittingham & M. J. Wood
- Genetics of alcohol dehydrogenase and aldehyde dehydrogenase from *Monodelphis domestica* cornea: further evidence for identity of corneal aldehyde dehydrogenase with a major soluble protein. By R. S. Holmes, R. A. H. van Oorschot & J. L. VandeBerg
- Effects of sodium butyrate on X-ray and bleomycininduced chromosomal aberrations in human peripheral blood lymphocytes. By. K. Sankaranarayanan, A. v. Duyn, M. J. Loos, R. Meschini & A. T. Natarajan

This double issue will appear in October 1990 and will be available as a single part for the special price of £20/\$39. Send your order, with payment to:

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NOTES TO CONTRIBUTORS

GENETICAL RESEARCH publishes original work on all aspects of genetics, or in any field of research which has an important bearing on genetics. Reviews of topical interest will also be considered. Papers will be submitted to referees, and will generally be printed in order of acceptance. Short papers (see below) will be given priority in publication.

CONTRIBUTIONS are welcomed from scientists of all nationalities, but must be written in English. Papers should be sent to one of the Executive Editors (see addresses inside front cover), or to a member of the Editorial Board with a particular interest in that area of genetics. Submission of a paper will be taken to imply that it is unpublished and is not being considered for publication elsewhere. Papers should be as concise as clarity permits, and illustrations should be restricted to the *minimum needed*.

SHORT PAPERS This category is designed for concisely written reports of work for which rapid publication is considered desirable. Such papers will normally be published within three months of receipt in acceptable form. They should not exceed 4 pages of print in length, and should include a summary.

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ILLUSTRATIONS The separate category of Plates no longer applies in the new format. All illustrations, including photographs, diagrams, graphs etc. are to be labelled consecutively Figure 1, 2...according to their relative positions in the text. Each figure should have a legend to be printed underneath it. Photographs should be supplied as unmounted glossy prints, with a sketch or separate set to show the arrangement required when several photographs are to form one figure. The names of the authors and the

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REFERENCES should follow the normal usage in the journal. In the list of references at the end of the paper, both titles of articles and names of periodicals should be written out in full.

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