

**XXII International Conference
on Animal Genetics
of the International Society
for Animal Genetics**

to be held
August 25 to 31, 1990
at the
Kellogg Center on the
Michigan State University campus
East Lansing, MI 48824, USA

For information contact:
Dr R. W. Bull
c/o College of Veterinary Medicine
A-132 East Fee Hall
Michigan State University
East Lansing, MI 48824, USA

Telephone (517) 355-4616
FAX (517) 353-5436
BITNET #14001 RWB @ MSU

The 8th International Congress of Human Genetics

sponsored by the American Society of Human Genetics, will be held in Washington DC, USA, 6–11 October 1991. The first formal announcement is scheduled for late in 1989. The Executive Program Committee is considering topics, speakers and special events. Individuals or organizations who anticipate developing pre-or post-Congress events, as well as those who anticipate a need for working meetings during the week of the Congress, are urged to write no later than early October 1989. Contact

John J. Mulvihill, M.D.,
Secretary-General, ICHG,
9650 Rockville Pike, Bethesda,
MD 20814, USA.

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 Submission of a paper will be taken to imply that it is unpublished and is not being considered for publication elsewhere.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.

TYPESCRIPTS A top copy and two other copies should be submitted. The top copy should be typed with double-spacing on one side of good quality paper, leaving margins of about 1½ inches at the left-hand side and at the top and bottom of each sheet. Each copy should include a complete set of illustrations. The title should ordinarily identify the organism. The address of the laboratory at which the work was carried out will be printed with the authors' names at the head of the paper, and changes of address may be added in footnotes. A footnote to the title page should also give the name and address to whom reprint requests may be made. Sources of financial support should be included with other acknowledgements at the end of the text. The title page of the typescript should include a short title for running headlines (limited to 50 letters and spaces), and the name and address of the author (or his proxy) to whom the proofs are to be sent, under the heading: *Proofs to be sent to...* Main headings should be typed in capitals and (except summary and references) numbered consecutively. Subheadings should be typed in lower case, and underlined except for those words and symbols which would be italicized in the text. Subheadings should be numbered (i), (ii), etc., within each main heading. **Numeral 1 and letter e: if your typewriter uses one symbol for both, please make clear to the Printer which is intended in formulae, gene symbols, etc.**

SUMMARY The summary will be printed at the beginning of the paper. It should give a concise abstract of the significant content and conclusions of the paper, in a form suitable for abstracting journals to use, and should not exceed 250 words.

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

orientation of the figure should be indicated on the back of each photograph. *Diagrams* should be about twice the size of the printed figure, but not larger than 12 × 8 inches, unless exceptionally complicated, and the thickness of lines and size of points should be determined accordingly. They may be submitted as glossy photographic prints or be drawn in indian ink on white Bristol-board, tracing linen or graph paper ruled in pale blue (but not other colours). The lettering on drawings should be lightly inserted *in soft pencil only*, so that the printer can put in the finished lettering. Legends to illustrations must be given on a separate sheet of paper. Each illustration must have the name of the author and figure number pencilled on the back.

TABLES Each table should be typed on a separate sheet of paper and its approximate position in the text indicated on the typescript. Each should be numbered and carry an appropriate title. The table should be designed, whenever possible, to be printed in the normal orientation of the text. The data should be grouped so as to make the use of rules unnecessary. Vertical rules, in particular, are expensive to print, and will only be included at the Editor's discretion. Table footnotes should ordinarily employ the symbols *, †, ‡, §, ||, ¶, **, etc., in that order.

SYMBOLS Gene and mathematical symbols should generally be printed in italics. Please underline those to be italicized when they appear in the text and tables. Bold letters add to printing costs and should only be used where they are necessary to avoid confusion. The author must assume responsibility for the accurate printing of complex mathematical formulae submitted in typewritten form, by differentiating between letters and numbers which are open to misinterpretation, and identifying all Greek, Hebrew and script letters by means of marginal notes at their first appearance. Note that Greek symbols cannot be italicized and that ' + ' as the symbol for a wild-type allele should not be italicized.

NOMENCLATURE Wherever possible, standardized nomenclature should be employed. The author should refer to the following publications for guidance: Novick *et al.* (*Bacteriological Reviews* 40, 168–189) for plasmids; O'Brien (Ed.), *Genetic Maps* 4, Cold Spring Harbor 1987, for recent information on most species and recent gene lists.

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.

PROOFS Two sets of single-sided page proofs, together with the typescript of each paper will be sent to the author. The printers' marked proof should be returned after correction to the Executive Editor, together with the typescript. Excessive alterations, other than corrections of printers' errors, may be disallowed or charged to the author. Correction should be made using the symbols in British Standard 1219: 1958, or its shortened version B.S. 1219C: 1958.

OFFPRINTS Fifty offprints of each paper, or short paper, are provided free of charge. Additional offprints may be ordered in the form sent out with proofs, provided this is returned within fourteen days of receipt.

Genetical Research

Contents

- 85 HITCHIN, F. E. *and* REEVE, E. C. R. Clonal analysis of the *lac* operons from *Klebsiella* M5al and the Lac plasmid (pRE2) from *Klebsiella* V9A
- 93 BISHOP, CLIFTON P., SHERALD, ALLEN F. *and* WRIGHT, THEODORE R. F. Characterization of third chromosome dominant α -methyl dopa resistant mutants (*Tcr*) and their interactions with *I(2)amd* α -methyl dopa hypersensitive alleles in *Drosophila melanogaster*
- 101 BROOKFIELD, JOHN F. Y. *and* LEWIS, ALAN P. Somatic reversion of P transposable element insertion mutations in the *singed* locus of *Drosophila melanogaster* requiring specific P insertions and a *trans*- acting factor
- 113 CHARLESWORTH, BRIAN *and* LAPID, ANGELA. A study of ten families of transposable elements on X chromosomes from a population of *Drosophila melanogaster*
- 127 MAKNI, MOHAMED, MARRAKCHI, MOHAMED *and* PRUD'HOMME, NICOLE. The occurrence of long ribosomal transcripts homologous to type I insertions in bobbed mutants of *Drosophila melanogaster*
- 137 MCCARRON, MARGARET Y., DUTTARROY, ATANU, DOUGHTY, GLENN A. *and* CHOVNICK, ARTHUR. P-element transposase induces male recombination in *Drosophila melanogaster*
- 143 MITTAL, RAM DEVI, WILEMAN, GERALDINE *and* HILLMAN, NINA. Acrosin activity in spermatozoa from sterile *t⁶/t^{w32}* and fertile control mice
- 149 BAXTER, GLENN D., HAYWARD, NICHOLAS K., COLLINS, RUSSELL J. *and* LAVIN, MARTIN F. Origin of rare Ha-*ras* alleles: relationship of VTR length to a 5' polymorphic *Xho* I site
- X 155 ASANTE, EMMANUEL A., HILL, WILLIAM G. *and* BULFIELD, GRAHAME. Analysis of lines of mice selected for fat content. 1. Correlated responses in the activities of NADPH-generating enzymes
- 161 BOOK REVIEWS
- 165 BOOKS RECEIVED

© Cambridge University Press 1989

Cambridge University Press

The Pitt Building, Trumpington Street, Cambridge CB2 1RP
40 West 20th Street, New York, NY 10011, USA
10 Stamford Road, Oakleigh, Melbourne 3166, Australia

Printed in Great Britain by the University Press, Cambridge