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Memberships.—Student subscriptions are accepted only via membership. For student and all other membership information, contact the Administrative Office, American Society of Human Genetics, 9650 Rockville Pike, Bethesda, MD 20814; phone (301)571-1825. A membership application and dues schedule appear at the back of each issue of the *Journal*. Notice of change of address, which should include the member's old and new addresses, should be sent to the administrative office at least 30 days before the date of the issue for which the change is to be effective.

Correspondence concerning editorial matters should be directed to the Editor (see Information for Contributors in this issue).

Back issues are available from 1985 (vol. 37). Complete volumes are available in microfiche from Kraus Reprint and Periodicals, Route 100, Millwood, NY 10546. Complete volumes and individual issues are available in microform from University Microfilms International, 300 North Zeeb Road, Ann Arbor, MI 48106; phone (313)761-4700.

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Announcements[1]

EMPLOYMENT AND FELLOWSHIP OPPORTUNITIES

Genetic Epidemiologist/Director. — Strang Cancer Prevention Center seeks genetic epidemiologist/director for a large, high-risk breast-cancer registry with over 15,000 families. Strang is well-funded and affiliated with Cornell Medical College. The position would carry an appointment with that institution. Candidate must have an M.D. or Ph.D., experience, and ability to work closely with clinicians and basic scientists. Excellent stipend, all benefits. The position will go to the candidate with the strongest research agenda. Write to Dr. D. G. Miller, Strang Cancer Prevention Center, 428 East 72d Street, New York, NY 10021.

Eye Research Institute of Canada. — The Eye Research Institute of Canada is searching for a scientist interested in the molecular biology of vision. A concern for the development of technology for molecular diagnosis of human disease would be considered an asset. The appointee will establish an independent research program and will be eligible for appointment in the graduate faculty at the University of Toronto. Collaboration with other scientists studying molecular biology of eye disease is anticipated. The institute provides salary support, excellent research facilities, and start-up funds. Basic qualifications will include Ph.D., M.D., or D.V.M. Interested candidates should send, to the address below, a letter outlining their current and future research interests, a curriculum vitae, and the names of three individuals who can provide a reference. The deadline for receipt of application is 1 November 1992. Send application to Dr. B. L. Gallie, Eye Research Institute of Canada, 399 Bathurst Street, Toronto, Ontario M2T 2S8 Canada.

Molecular biologist. — The Cytogenetics Laboratory, part of the Medical Genetics Birth Defects Center at Cedars-Sinai Medical Center in Los Angeles (a UCLA-affiliated teaching hospital), has a position at the post-doctoral level for an accomplished molecular biologist interested in training in clinical cytogenetics. The position will involve initiating molecular studies of clinical cases, as well as participation in ongoing projects involving pediatric leukemia and solid tumors, while learning cytogenetic techniques as part of an ABMG-accredited training program. For more information, please contact Rhona Schreck, Ph.D., Director, Cytogenetics Laboratory, Cedars-Sinai Medical Center, Steven Spielberg Building 3, 8700 Beverly Boulevard, Los Angeles, CA 90048; phone (310) 855-6451; FAX (310) 967-0112.

Search Reopened for Assistant Director of Cytogenetics. — The Medical Genetics Birth Defects Center at Cedars-Sinai Medical Center in Los Angeles is cur-

1. This service is offered free of charge to members of The American Society of Human Genetics. To place an announcement, write to The American Journal of Human Genetics, Department of Pediatrics, U-587, University of California, San Francisco, CA 94143-0748. Submission must be made at least *four months* before month of issue in which publication is requested and must be typed double-spaced on a separate sheet of paper. Maximum length is *100 words*, not including address for correspondence.

rently recruiting an assistant director for the cytogenetics laboratory. The laboratory, under the direction of Rhona Schreck, Ph.D., provides prenatal diagnosis, assessment of congenital abnormalities and reproductive failure, and evaluation of malignancies. As the laboratory is processing over 2,000 patient samples per year, we are recruiting a board-certified (or eligible) cytogeneticist to serve as assistant director and to share the clinical service with the director. The candidate should meet the requirements of, and will be eligible for, a faculty appointment at UCLA. Independent research in any area of cytogenetics is strongly encouraged. If interested, please contact Rhona Schreck, Ph.D., Director, Cytogenetics Laboratory, Division of Medical Genetics, Cedars-Sinai Medical Center, Steven Spielberg Building 3, 8700 Beverly Boulevard, Los Angeles, CA 90048; phone (310) 855-6451; FAX (310) 967-0112.

Postdoctoral Fellowships. — Available in the general areas of physical mapping of human chromosome 21, research into the etiology of Down syndrome, and research into the etiology of human neurodegenerative diseases such as Alzheimer disease and ALS. Methods include molecular biology, somatic cell genetics, and transgenic animal studies. Send curriculum vitae, statement of research interests, and names of three references to Dr. David Patterson, President, Eleanor Roosevelt Institute, 1899 Gaylord Street, Denver, CO 80206. Equal Opportunity/Affirmative Action Employer; women and minorities are encouraged to apply.

Board Review Course

Board Review Course. — A 2½-day course in medical genetics, designed as a review for the 1993 American Board of Medical Genetics examination, will be sponsored by Baylor College of Medicine and held in Houston on May 14–16, 1993. The course will follow the format used in 1990 and will include local and guest faculty, a graded pretest, and workshops on sample questions. For information, write to Genetics Board Review Course, Office of Continuing Education, Room S104, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030-3498; phone (713) 798-6020; FAX (713) 798-6600.

Grants Available

Grants for Travel and Research at the Rockefeller Archive Center. — The Rockefeller Archive Center, a division of The Rockefeller University, invites applications for its program of grants for travel and research at the Rockefeller Archive Center for 1993. The competitive program makes grants of up to $1,500 to researchers in any discipline, usually graduate students or postdoctoral scholars, who are engaged in research that requires use of the collections at the center, which include the records of the Rockefeller family, the Rockefeller Foundation, The Rockefeller University, and other philanthropic organizations and associated individuals. The deadline for applications is December 31, 1992; grant recipients will be announced in March. Inquiries about the program and requests for applications should be addressed to Darwin H. Stapleton, Director, Rockefeller Archive Center, 15 Dayton Avenue, North Tarrytown, NY 10591-1598.

Information for Contributors

The American Journal of Human Genetics is a record of research and review relating to heredity in humans; to the applications of genetic principles in medicine, psychology, anthropology, and social services; and to areas of molecular and cell biology relevant to human genetics. It appears 12 times a year. The *Journal* is owned and controlled by The American Society of Human Genetics and is edited, in conjunction with the publisher, by a staff appointed by the board of directors of the society.

Editorial Policy

Papers will be considered for publication on condition that they are submitted solely to the *Journal*. Each contribution will be read by two or more referees before a decision is made as to whether the paper is to be accepted. Authors are requested to suggest referees. Membership in The American Society of Human Genetics is not a prerequisite for publication in the *Journal*. Manuscripts will be judged solely on the basis of their content of original data and/or interpretation. Although no limit is set on the number of pages that a paper may contain, authors will be charged $20.00 per printed page. In circumstances in which the authors are unable to pay these charges, payment may be waived by the editor. (In general, three double-spaced, typed manuscript pages equal approximately one printed page.) Authors whose manuscripts have been accepted for publication in the *Journal* will be requested to sign an agreement transferring copyright to The American Society of Human Genetics. Material published in the *Journal* may not be reproduced or published elsewhere without written consent of the copyright owner. Address all manuscripts and correspondence (except material regarding the Human Genetics Education section) to the editor, **Charles J. Epstein, M.D., Department of Pediatrics, U-585, University of California, San Francisco, CA 94143-0748.**

It is assumed that authors whose research is published in the *Journal* will make cell lines, antibodies, cloned DNA sequences, and similar materials available to other investigators so as to permit the reported research to be reproduced.

The Human Genetics Education section of the *Journal* serves as an international medium for the exchange of ideas in human genetics education. The *Journal* welcomes the submission of manuscripts concerned with any aspect of education in human genetics at the undergraduate and postgraduate levels, and for service providers of genetic health care. These include articles on research in human genetics education, innovations for its improvement, development and review of educational resources, conceptual frameworks for topic and course development, educationally useful historical perspectives, letters to the editor, and activities of The American Society of Human Genetics relative to education. All manuscripts and correspondence regarding the Human Genetics Education section should be addressed to the Editor, Human Genetics Education Section, Kenneth L. Garver, MD., Ph.D., Department of Medical Genetics, Western Pennsylvania Hospital, 4800 Friendship Avenue, Pittsburgh, PA 15224.

Manuscript Submission

Original articles, review articles of approximately 3,000 words or less, and minireviews of 1,500 words or less on timely subjects concerning all aspects of human genetics and related areas will be considered for publication. In addition, brief commentaries on previously published material, editorials, and book reviews will also be included in the *Journal*. We have adopted a policy of not publishing descriptions of single mutations unless the mutation is of highly unusual significance.

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All manuscripts must be written in English, and all manuscript components (including references, tables, and figure legends) typed double spaced, preferably on heavyweight bond. The page margins should be 1½ inches on top, bottom, and left- and right-hand sides to allow for corrections and manuscript editor's and typesetter's instructions and queries. Word-processing output is acceptable as long as it is letter quality. Handwritten items (e.g., Greek letters) should be identified in the margin. Each manuscript component should begin on a separate page, but pages should be numbered consecutively, beginning with the title page and continuing through the summary (abstract), text, references, tables, and figure legends.

Title page. — The title page should contain a concise title, the names and current affiliations of all authors, and the name and complete mailing address of the contact author. A running head of no more than 40 characters (including spaces) should be identified on the title page.

Summary. — The second page should contain a summary (abstract), of no more than one manuscript page, stating the purpose of the study, the basic procedures and analytical methods, a description of observations and findings, and the principal conclusion.

Text. — The text should be as concise as possible and include the following sections: Introduction, Material and Methods, Results, Discussion, and Acknowledgments. Long articles, case studies, and editorials may require subheadings within some sections or different formats to clarify their content.

The Introduction should summarize the rationale for the study without reviewing the subject extensively. Clearly describe (using past tense) your selection of observational or experimental subjects and identify the methods, apparatus, and procedures in detail. Provide references for established methods, with brief descriptions for published but not well-known methods; describe new or modified methods, giving reasons for their use and evaluating their limitations.

Present your results in logical sequence in the text, tables, and illustrations. Do not repeat in the text all the data in the tables and illustrations. Detailed statistical analyses may be presented in the form of an appendix.

Terminology and abbreviations. — Authors should make an effort to present articles in a precise, comprehensible manner. In general, all material should conform to the style of the *CBE Style Manual: A Guide for Authors, Editors, and Publishers in the Biological Sciences* (5th ed., Council of Biology Editors, Inc., Bethesda, MD).

Nomenclature, abbreviations, and symbols. — Authors should use genetic notation and symbols for human genes which are approved by Human Gene Mapping (HGM). See Shows et al.'s "Guidelines for Human Gene Nomenclature" (Cytogenet. Cell Genet. 46:11–28, 1987), McAlpine et al.'s "The 1988 Catalog of Mapped Genes and Report of the Nomenclature Committee" (Cytogenet. Cell Genet. 49:4–38, 1988), and Kidd et al.'s "Report of the Committee on Human Gene Mapping by Recombinant DNA Techniques" (Cytogenet. Cell Genet. 49:132–218, 1988). Symbols for human genes not included in the above may be obtained from P. J. McAlpine (cochair, HGM Nomenclature Committee), Department of Human Genetics, University of Manitoba, T250-770 Bannatyne Avenue, Winnipeg, Manitoba R3E 0W3, Canada; phone (204)788-6393; FAX (204)786-8712; E-mail GENMAP@UOFMCC.

Mathematical equations must be carefully typed with spacing in final format. Measurements of length, height, weight, and volume should appear in metric units or other internationally accepted units.

Information for Contributors

Authors should use the following standard abbreviations (for others, generally follow the *CBE Style Manual*):

AMP = adenosine monophosphate
ATP = adenosine triphosphate
BSA = bovine serum albumin
BrdUrd = 5-bromodeoxyuridine
df = degree(s) of freedom
DEAE = diethylaminoethyl
DTT = dithiothreitol
DZ = dizygotic
EDTA = ethylenediaminetetraacetate
FCS = fetal calf serum
FSH = follicle-stimulating hormone
mRNA = messenger RNA
mtDNA = mitochondrial DNA
MZ = monozygotic
NAD (NADH) = nicotinamide adenine dinucleotide
NAD (NADP) = nicotinamide adenine dinucleotide phosphate
PBS = phosphate-buffered saline
PAGE = polyacrylamide-gel electrophoresis
PCR = polymerase chain reaction
PIC = polymorphic information content
RFLP = restriction-fragment-length polymorphism
rRNA = ribosomal RNA
SSC = saline sodium citrate
SDS = sodium dodecyl sulfate
SD = standard deviation
SEM = standard error of the mean
TSH = thyroid-stimulating hormone
tRNA = transfer RNA
UV = ultraviolet
VNTR = variable number of tandem repeats

Acknowledgments.—Acknowledge those who have made substantive contributions to the study, as well as the institution(s) or grant sponsor(s) that supported the research. Authors are advised to obtain permission from those acknowledged by name, since the readers may infer endorsement of the data and conclusion. Grants and/or institutions supporting research presented in the article should be mentioned in this section.

References.—Reference citations in the text should be in parentheses and include author name(s) and year of publication. Text citations of two or more works at the same time should be given in chronological order. When citing a paper written by three or more authors, write the name of the first author plus "et al." (however, the names of the first *seven* authors—plus, if there are more than seven, "et al"—must be given in the Reference section). The References section appears after the acknowledgments and should be arranged alphabetically by author name(s) and then chronologically. To use "personal communication" as a reference citation, you must include written permission from the scientist(s) named.

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All illustrations should be labeled on the back to indicate the figure number, the names of authors, and the top of the figure. A signed consent form must accompany any photograph of a live-born and/or recognizable human subject.

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The *Journal* has the capability to publish manuscripts directly from computer disks. Since almost all papers require at least minor revisions, do *NOT* send the disks with your original submission. We will let you know whether we can use a disk version of your paper after it has been reviewed. Disks may be either 3½-inch or 5¼-inch format prepared with an IBM-compatible or Macintosh computer. Authors should use a major IBM-compatible or Macintosh word-processing program (e.g., WordPerfect, WordStar, or Microsoft Word) in order to assure proper conversion of the text file for editing. Please provide a description of both the hardware and software (including version number) used to prepare the disk.

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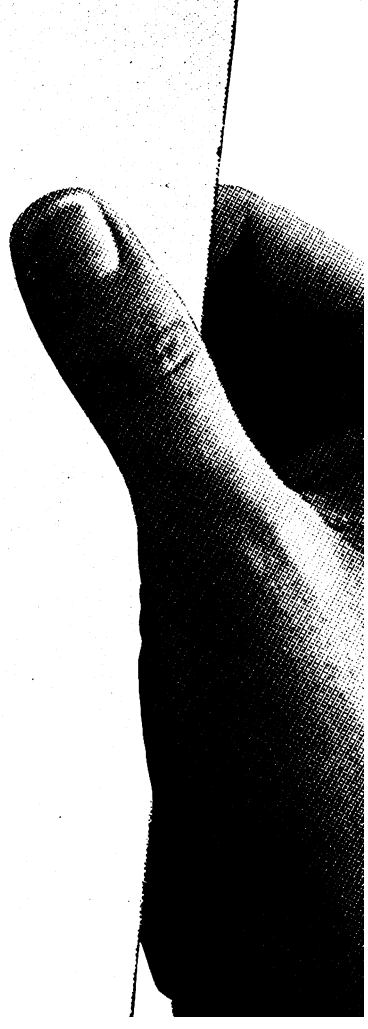

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