Personnel Placement

AGRICULTURE/AQUACULTURE. The Oceanic Institute, Waimanalo, Hawaii 96795—a nonprofit research organization—solicits applications from sciences and technologies. A nonbudgetary research grant is available to assist in research and development activities. Applicants should have a Ph.D. or equivalent qualifications. Send applications to: Personnel Officer, The Oceanic Institute, Waimanalo, Hawaii 96795.

SCIENCE publishes each Friday, except the last Friday of the year. Advertising is accepted only in writing. Advertising is accepted in all ad numbers and must be at least two weeks after date of issue in which ad appears. Also, personnel advertising is accepted only with the understanding that names do not appear among applicants on the basis of race, sex, religion, age, color, national origin, handicap, or sexual preference.

Toward the Ship. Physiologist. New Publications, Annapolis, Maryland 20911. Excellent references, established research. Applicants should have a Ph.D. Send application to: Personnel Officer, New Publications, Annapolis, Maryland 20911.

Publications. Established research. Applicants should have a Ph.D. Send application to: Personnel Officer, New Publications, Annapolis, Maryland 20911.

TLC, MS, IR, UV, enzymology, virus purification. Must have Ph.D. Send application to: Personnel Officer, New Publications, Annapolis, Maryland 20911.

Structuro-logical Position. Seeks research position. Applicants should have a Ph.D. Send application to: Personnel Officer, New Publications, Annapolis, Maryland 20911.

POSITIONS WANTED

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Twenty-seven years of experience: HPLC, GC, EM, TLC, MS, IR, UV, enzymology, virus purification, forensic toxicology, GLP, GMP, NDA, BDD, QA. Publications. Seeks research position or fellowship. Box 347, SCIENCE.

Immunologist. Ph.D. Publications in transplantation, immunology. Positions available at the University of Michigan. Desires to relocate to a strong immunology group with projects in molecular immunogenetics and/or immune regulation. Competitive renewal at $100,000 per year. Fiscal year 1984. Box 326, SCIENCE.

M.D.; in surgical residency, desires research fellowship for two or more years (may consider training toward Ph.D. in molecular physiology or temporal bone disease related research. Excellent references. Available July 1984. Box 348, SCIENCE.

Ph.D. in physiology or neurophysiology. Extensive research experience in electrophysiology. CNS, VNS, sleep stress, dreams. Structure-logical models of cortical-subcortical relations. Seeking research position in academia or industry. Box 349, SCIENCE.


Zoologist (Ph.D.). Former college/university teacher of undergraduate/graduate biology courses desires to return to teaching within 9 years of high-tech and government experience. Wants to teach the subject matter of vertebrate biology using lectures, laboratories, and microcomputers. Box 351, SCIENCE.

POSITIONS OPEN

SPANISH-SPEAKING AGRICULTURAL SCIENTISTS specializing in phytopathology, forestry, photogrammetry, agrometeorology, population genetics are needed in Costa Rica. M.S. and Ph.D. holders interested in these and other positions in Central America should submit résumés for placement and financial assistance to: Intergovernmental Committee for Migration, 1346 Connecticut Avenue, NW, Washington, D.C. 20036.

ANALYTICAL BIOCHEMIST position available for an individual to be responsible for the management of an analytical laboratory supporting a clinical metabolic research group. Individual must have 2–4 years of research experience (Ph.D. degree) and a background in purifications, HPLC, EM, EMG, IR, UV, enzymology, virus purification, and separation and derivatization techniques. Must have a Ph.D. and be able to communicate with physicians and research staff. Please send curriculum vitae and names of three references to: Dr. Cлен W. Goodwin, Department of Surgery, The New York Hospital, 525 East 68 Street, New York, New York 10021. Cornell University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR. The Department of Laboratory Medicine and Pathology, University of Minnesota Medical School, announces an open position at the level of assistant professor in the Divisions of Clinical Chemistry and Laboratory Medicine. Applicants should have a Ph.D., M.D., or equivalent advanced degree. Experience should be at the Ph.D. level, 2 years of experience in a clinical laboratory, and certification or eligibility with the ASCP or equivalent. Responsibilities include teaching clinical chemistry, assisting in the service activities of the clinical chemistry laboratory, and establishing an independent research program. Applications consisting of curriculum vitae and three letters of recommendation will be received until 1 February 1984 and may be addressed to: Karen Korn, Ph.D., Department of Laboratory Medicine and Pathology, University of Minnesota Medical School, 198 Mayo Memorial Building, University of Minnesota, Minneapolis, MN 55455. The University of Minnesota is an Affirmative Action/Equal Opportunity Employer, and specifically invites and encourages applications from women and minorities.

ASSISTANT PROFESSOR OF OCCUPATIONAL HEALTH. Will perform teaching and research duties in the field of occupational health, with emphasis on occupational lung disease. Must hold Ph.D. or M.D. Particular expertise is required in the areas of occupational lung disease and pulmonary physiology. Responsibilities include: (i) teaching, with 5 years of experience in these areas. Must have established research capabilities in lung mechanics relating to normal and diseased states, and be able to guide this experience in developing new investigative and analytic methods for use in epidemiologic studies of workers. Past direct experience in the epidemiologic studies of occupational lung diseases is also required. Salary: $29,680 per annum. Send curriculum vitae and names of three referees to: Assistant Director, Unit for Laboratory Animal Medicine, University of Michigan, Ann Arbor, Michigan 48109.

JUNIOR FACULTY POSITION—Applications are invited for an appointment at the rank of assistant professor of psychology in the Department of Psychology, Northeastern University. Research on information processing and the development of cognitive skills is essential with emphasis on epistemic knowledge and its development. A Ph.D. is required with a strong record of publication. Applicants should send curriculum vitae, a list of three references, and a statement of career goals to: Dr. Judith Rae Lumb, Department of Psychology, Northeastern University, Boston, Massachusetts 02115. The University of Michigan is an Equal Opportunity/Affirmative Action Employer. 106BO.

The Unit for Laboratory Animal Medicine, University of Michigan, Ann Arbor, is seeking applicants for the position of ASSISTANT OR ASSOCIATE PROFESSOR. Candidates must have a D.V.M., degree, advanced training and/or board certification or--eligibility in laboratory animal medicine, internal medicine, or comparative pathology. Duties include the training and supervision of staff in laboratory animal medicine, participation in graduate and medical education, provision of clinical care for research animals, and participation in collaborative research. Development of an effective independent research program is expected in the candidate's area of expertise. Applicants should have commensurate with training and experience. Deadlines for applications are 15 February 1984 or until the position is filled. Applicants should submit letters of recommendation and curricula vitae and names of three references to: Bennett J. Cohen, Unit for Laboratory Animal Medicine, University of Michigan, Ann Arbor, Michigan 48109–0010. The University of Michigan is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR—BIOCHEMISTRY. The Department of Chemistry at the University of Michigan seeks applicants with a background in chemistry for a tenure-track position active in the area of membrane biology or immunology. Applicants should have a Ph.D. with a appropriate postdoctoral experience. The University is solely a graduate institution and will look for evidence of research potential. Applicants should submit a résumé, outline of research plans, and three letters of recommendation to: Dr. William Scherago, Department of Chemistry, University of Michigan, Ann Arbor, GA 48109, by 1 February 1984. An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION—Assistant professor. Three tenure-track positions are available in the Biological Department at Duke University. Applicants should have a Ph.D. and postdoctoral experience in plant biochemistry or related areas. Applicants should be able to commensurate with training and experience. Send detailed résumé and a list of three references. Direct responses to: William F. Miller, Chairman, Department of Internal Medicine, University Hospital, Ann Arbor, Michigan 48109. The University of Michigan is a non-discriminatory, Affirmative Action Employer. 145BO.

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FACULTY POSITION—Applications are invited for an appointment at the rank of assistant professor of biological chemistry in the Department of Internal Medicine. Research on information processing and the development of cognitive skills is essential with emphasis on epistemic knowledge and its development. A Ph.D. is required with a strong record of publication. Applicants should send curriculum vitae, a list of three references, and a statement of career goals to: Dr. Judith Rae Lumb, Department of Psychology, Northeastern University, Boston, Massachusetts 02115. The University of Michigan is an Equal Opportunity/Affirmative Action Employer. 106BO.

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Y and Z

Yanitsis, Steven. See Jonides, John.
Yazawa, Y. See Yoo, T. J.
Yellon, Dale E. See Teillaud, Jean-Luc.
Yoakum, George H.; Korba, Brent E.; Lechner, John F.; Tokiwa, Takayoshi; Gazdar, Adi F.; Sisley, Todd; Siegel, Mary; Leeman, Lawrence; Autrup, Herman; Harris, Curtis C.: High-frequency transfection and cytopathology of the hepatitis B virus core antigen gene in human cells. v222 p365-369 28 Oct 83.
You, Myong G. See Benowitz, Larry I.
Yoshida, Mitsuaki. See Watanabe, Toshiki.
Youle, Richard J. See Vallera, Daniel A.
Yusa, Yasuhiro. See Needelman, Samuel W.
Yung, Yuki L. See Lunina, Jonathan I.
Zack, Donald J. See Teillaud, Jean-Luc.
Zambryski, P.; See Caplan, A.
Zanjani, Esmail D. See Vallera, Daniel A.
Zanger, D. H. See Wenk, H. R.
Zoller, William H. See Phelan Kotra, Janet.
Information for Contributors

The Editors of Science

Papers published in Science often receive far more attention than papers published in specialty journals. As a consequence, the rate of submission of papers is high—about 5000 manuscripts are submitted each year. The rejection rate of about 80 percent contrasts with that of most specialty journals, which is usually about 30 percent. Most of the material submitted to Science is of good quality and worthy of publication, and virtually all the scientific papers are eventually published somewhere. In selecting papers for Science, the editors consider the needs of a broad audience. Preference is given to items that seem to be of general significance.

General Information

Five types of signed papers are considered: Articles, Research Articles, Reports, Letters, and Technical Comments. The author's membership in the AAAS is not a factor in selection. Material that has been published before is ineligible for publication. Papers are considered with the understanding that they have not been published and are not under consideration elsewhere. Authors will usually be notified of acceptance, rejection, or need for revision in 6 to 8 weeks (Research Articles and Reports) or 8 to 10 weeks (Articles).

Outside reviews. Most articles and reports are sent to two or more outside referees for evaluation. Some papers are returned promptly to the authors without an external review if they are unlikely to be chosen for publication. Referees are selected from Science files as well as from lists provided by authors. Papers that depend on statistical inference for their conclusions may be sent to statisticians (in addition to other referees) for review.

Length limits. Papers that exceed the length limits cannot be handled expeditiously and will usually be returned without review.

1) Articles: Up to 5000 words (approximately five printed pages in Science), including the references and notes and the figure and table legends. The illustrations (figures and tables) when printed in Science should together occupy no more than one page.

2) Research Articles: From 2000 to 4000 words (3 to 3½ printed pages in Science) including the references and notes and the figure and table legends. Illustrations (figures and tables) may together occupy up to one printed page.

3) Reports: Up to 2000 words (approximately 1½ printed pages in Science), including the references and notes and the figure and table legends. The illustrations (figures and tables) when printed in Science should occupy no more than half a page.

4) Letters: Up to 250 words.

5) Technical Comments: Up to 500 words, including references and notes.

Selection of Manuscripts

1) Articles: About half the Articles published in Science are solicited by the editor. Both solicited and unsolicited Articles undergo outside and in-house review. Articles are expected to (i) provide a review of new developments in one field that will be of interest to readers in other fields, (ii) describe a current research problem or a technique of interdisciplinary significance, or (iii) present a study of some aspect of the history, logic, philosophy, or administration of science or a discussion of science and public affairs. Readers should be able to learn from a technical Article what has been firmly established and what are significant unresolved questions; speculation should be kept to a minimum. Preference is given to Articles that are well written, well organized, and within the length limit. Balance of subject matter in Science is an important consideration when a choice is made between acceptable Articles.

2) Research Articles: These articles, selected for publication on the basis of outside and in-house reviews, are expected to contain new data and to represent substantial contributions in their fields. The authors of the original paper are usually asked for an opinion of the comments and are given an opportunity to reply if the comments are accepted for publication. Discussions of minor issues or priority claims are not deemed appropriate, nor are questions that can be answered by correspondence between the editor and the original authors.

6) Book Reviews: The selection of books to be reviewed and of reviewers is made by the editors.

Submission of Manuscripts

Submit an original and two duplicates of each manuscript, together with a letter of transmittal giving:

1) the name(s) and telephone number(s) of the author(s);
2) the title of the paper and a statement of its main point;
3) the names, addresses, telephone numbers of two referees.

The Editors of Science, 1125 West 52nd Street, Chicago, Illinois 60637.
number, and fields of interest of four to six persons in North America but outside your institution who are qualified to referee your paper;

4) the names of colleagues who have reviewed your paper;

5) the total number of words included in your manuscript; and

6) a statement that the material has not been published and is not under consideration for publication elsewhere.

Address the manuscript to the Editor, Science, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005.

Manuscript Preparation

Typing. Use double-spacing throughout the text, tables, figure legends, and references and notes.

Units of measure. Use metric units. If measurements were made in English units, give metric equivalents.

Symbols and abbreviations. Define all symbols, abbreviations, and acronyms.

References and notes. Number references and notes in the order in which they are cited in the text. Place references cited only in tables or figure legends after the text references. Gather all acknowledgments into a single, brief statement at the end. Use Bibliographic Guide for Editors & Authors (American Chemical Society, Washington, D.C.) for abbreviations of journal titles. For journals not listed there provide the full title. Use the following forms:

For a journal paper: H. Smith, Am. J. Physiol. 98, 279 (1931).


Illustrations. For each illustration submit three copies of a quality suitable for reproduction. Label each on the back with the name of the author and the figure number. Plan figures for the smallest printed size consistent with clarity. Color may be used if necessary but authors are expected to pay the full cost of reprints. Cite all illustrations in the text and provide a brief legend for each.

Tables. Type each table on a separate sheet, give it a number and title, and cite it by number in the text. Give each column a heading. Indicate units of measure in parentheses in the heading for each column and do not change the unit of measure within a column.

Equations and formulas. Use quadruple spacing around equations and formulas that are to be set off from the text. Define all symbols.

Special Requirements and Procedures

1) Articles: Provide a title of one or two lines of not more than 26 characters and spaces each; a brief author note giving your position and address; and a summary of 50 to 100 words. The summary should convey to the general reader the main point of the paper and outline the results or conclusions. The introduction should portray the broad significance of the work, and the whole text should be intelligible to scientists in different disciplines. Explain all technical terms likely to be known in only one field. Insert short subheadings at appropriate places in the text to mark your main ideas. Provide a reference list in accord with Science style. Reference lists should not be exhaustive; citation of a single review article can often replace many references. A maximum of 40 references is suggested.

2) Research Articles: Provide a title of one or two lines of not more than 54 characters and spaces each and an abstract of about 100 words. The abstract should portray for the general reader the results described and their significance. The whole text should be intelligible to readers in more than one discipline. Provide a brief outline of the main point of your paper in a short introductory section, then describe your experiments and the results, and conclude with a discussion. Subheadings may be used to indicate the different sections of the paper. Provide a reference list in accordance with Science style. A maximum of 30 references is suggested.

3) Reports: Provide a title of one or two lines of not more than 54 characters and spaces each and an abstract of 50 to 75 words. The abstract and the first portion of the report should portray for the general reader the results described and their significance. The body of the report should be intelligible to scientists in other fields of expertise. Complete documentation need not be presented but should be available in cited references.

4) Letters: Letters should be typed double-spaced. They should be short (preferably less than 250 words) and to the point; they should be carefully phrased, free of technical jargon, and nonrepetitive. When a Letter refers to an article published in Science the original author is usually given an opportunity to reply. Letters are frequently shortened and edited. Letters are acknowledged by postcard; authors are notified if their letters are accepted for publication. Letters must be typed with double-spacing.

5) Technical Comments: Technical Comments on Reports or Articles are published at the end of the Reports section. When a Technical Comment is accepted for publication the authors of the original paper are usually given an opportunity to reply.

6) Book Reviews: Instructions accompany review copies when they are sent to reviewers.

Printing and Publication

Editing. Before being sent to the printers, papers are edited to improve accuracy and effectiveness of communication. When changes are needed because the author's meaning is not clear, the editor may consult the author by telephone; when the editing is extensive, the manuscript may be returned to the author for approval or further adjustment before the type is set.

Proofs. One set of galley proofs is provided for each paper. Alterations should be kept to a minimum and marked only on the proofs. Extensive alterations may delay publication.

Scheduling. Papers are not scheduled for publication until Science has received corrected galley proofs from the authors. The median delay between acceptance of papers and mailing of galley proofs to authors is 4 to 8 weeks (allowing for editing and typesetting); the median delay between receipt of authors' galley proofs by Science and publication is 4 to 6 weeks (allowing for proofreading, layout, and paging). There may be additional delays in publication for papers with tables or figures that present problems in layout and for papers accompanied by cover pictures.

Reprints. An order blank for reprints accompanies proofs.

Cover Photographs

Particularly good photographs that pertain to a paper being submitted will be considered for use on the cover. Submit prints (not slides, negatives, or transparencies) together with the manuscript, and indicate in the letter of transmission that a possible cover picture is enclosed.