

CONTENTS THE JOURNAL OF EXPERIMENTAL MEDICINE  
Volume 144 No. 4 October 1, 1976

---

- 863 T. L. VISCHER, U. BRETZ, and M. BAGGIOLINI. In vitro stimulation of lymphocytes by neutral proteinases from human polymorphonuclear leukocyte granules
- 873 HIROSHI SHIKU, TOSHITADA TAKAHASHI, HERBERT F. OETTGEN, and LLOYD J. OLD. Cell surface antigens of human malignant melanoma. II. Serological typing with immune adherence assays and definition of two new surface antigens
- 882 CHARLES L. SIDMAN and EMIL R. UNANUE. Control of B-lymphocyte function. I. Inactivation of mitogenesis by interactions with surface immunoglobulin and Fc-receptor molecules
- 897 Ø. FØRRE, J. B. NATVIG, and H. G. KUNKEL. Serological detection of variable region ( $V_H$ ) subgroups of Ig heavy chains
- 906 BARBARA A. NICHOLS. Normal rabbit alveolar macrophages. I. The phagocytosis of tubular myelin
- 920 BARBARA A. NICHOLS. Normal rabbit alveolar macrophages. II. Their primary and secondary lysosomes as revealed by electron microscopy and cytochemistry
- 933 ROLF M. ZINKERNAGEL. *H-2* restriction of virus-specific cytotoxicity across the *H-2* barrier. Separate effector T-cell specificities are associated with self-*H-2* and with tolerated allogeneic *H-2* in chimeras
- 946 DONALD A. ROWLEY, HEINZ KÖHLER, HANS SCHREIBER, SUSAN T. KAYE, and INGRID LORBBACH. Suppression by autogenous complementary idiotypes: the priority of the first response
- 960 D. W. HOUGH, R. P. EADY, T. J. HAMBLIN, F. K. STEVENSON, and G. T. STEVENSON. Anti-idiotypic sera raised against surface immunoglobulin of human neoplastic lymphocytes
- 970 NEIL R. COOPER, FRED C. JENSEN, RAYMOND M. WELSH, JR., and MICHAEL B. A. OLDSTONE. Lysis of RNA tumor viruses by human serum: direct antibody-independent triggering of the classical complement pathway
- 985 WALTER GERHARD. The analysis of the monoclonal immune response to influenza virus. II. The antigenicity of the viral hemagglutinin
- 996 JOHN R. NEEFE and DAVID H. SACHS. Specific elimination of cytotoxic effector cells. I. Adsorptive behavior of effectors and their precursors on spleen cell monolayers
- 1009 PHYLLIS R. STRAUSS, JAMES M. SHEEHAN, and EVA R. KASHKET. Membrane transport by murine lymphocytes. I. A rapid sampling technique as applied to the adenosine and thymidine systems
- 1022 W. E. HESTON, B. SMITH, and W. P. PARKS. Mouse mammary tumor virus in hybrids from strains C57BL and GR: breeding test of backcross segregants
- 1031 CORNELIA KOLB, RAIMUND DI PAULI, and EBERHARDT WEILER. Induction of IgG in young nude mice by lipid A or thymus grafts
- 1037 EDMOND A. GOIDL, JUDITH B. INNES, and MARC E. WEKSLER. Immunological studies of aging. II. Loss of IgG and high avidity plaque-forming cells and increased suppressor cell activity in aging mice
- 1049 ROBERT S. ZEIGER, FRANK J. TWAROG, and HARVEY R. COLTEN. Histaminase release from human granulocytes
- 1062 ROBERT D. SCHREIBER, OTTO GÖTZE, and HANS J. MÜLLER-EBERHARD. Alternative pathway of complement: demonstration and characterization of initiating factor and its properdin-independent function
- 1076 RUDOLF G. MEDICUS, OTTO GÖTZE, and HANS J. MÜLLER-EBERHARD. Alternative pathway of complement: recruitment of precursor properdin by the labile C3/C5 convertase and the potentiation of the pathway
- 1094 GUNNAR HUSBY, IVO VAN DE RIJN, J. B. ZABRISKIE, Z. H. ABDIN, and R. C. WILLIAMS, JR. Antibodies reacting with cytoplasm of subthalamic and caudate nuclei neurons in chorea and acute rheumatic fever

#### BRIEF DEFINITIVE REPORTS

- 1111 CHESTER A. ALPER. Inherited structural polymorphism in human C2: evidence for genetic linkage between *C2* and *Bf*
- 1116 HIROSHI SHIKU, TOSHITADA TAKAHASHI, MICHAEL A. BEAN, LLOYD J. OLD, and HERBERT F. OETTGEN. Ly phenotype of cytotoxic T cells for syngeneic tumor
- 1121 KEITH P. W. J. McADAM and JEAN D. SIPE. Murine model for human secondary amyloidosis: genetic variability of the acute-phase serum protein SAA response to endotoxins and casein
- 1128 B. HUBER, H. CANTOR, F. W. SHEN, and E. A. BOYSE. Independent differentiative pathways of Ly1 and Ly23 subclasses of T cells. Experimental production of mice deprived of selected T-cell subclasses
- 1134 TERRY G. REHN, JOHN K. INMAN, and GENE M. SHEARER. Cell-mediated lympholysis to *H-2*-matched target cells modified with a series of nitrophenyl compounds
- 1141 JEFFREY A. FRELINGER, JOHN E. NIEDERHUBER, and DONALD C. SHREFFLER. Effects of anti-Ia sera on mitogenic responses. III. Mapping the genes controlling the expression of Ia determinants on concanavalin A-reactive cells to the *I-J* subregion of the *H-2* gene complex

**PREPARATION OF MANUSCRIPT** Articles should conform to the style of a current issue of this journal or to the recommendations of the Style Manual for Biological Journals (3rd edition 1972, American Institute of Biological Sciences, 1401 Wilson Blvd., Arlington, Va. 22209). Note that each reference should contain the title of the pertinent citation. Please supply a brief title for a running head, not exceeding 57 characters and spaces. Only original typescript is acceptable for the printer; in addition, submit a fully legible carbon, mimeographed, or Xerox copy. Double space entire manuscript, including references, legends, footnotes, and tables.

**PREPARATION OF ILLUSTRATIONS** Label all illustrations (photographs, micrographs, charts, or drawings) sequentially with arabic numerals; designate them as figures. Number tables with roman numerals. In the margin of the manuscript, indicate approximately where each figure or table should appear.

**PAGE SIZE** The text block on each Journal page is  $5 \times 7\frac{3}{4}$  inches. Plan illustrations, including their legends, to fit within these dimensions after reduction. Avoid figures that exceed 5 inches in width unless they can fill the entire page, including margins. The maximum area for such full-page figures, including their legends, is  $5\frac{1}{2} \times 8$ .

**LINE DRAWINGS** Provide original ink drawing (preferably  $8\frac{1}{2} \times 11$  inches maximum). These give the sharpest reproductions. The lettering should be sans serif, and of consistent size, and so planned that the size of the lettering is in scale with the size and complexity of the figures. Lettering and labeling should be large enough to permit reduction to a minimum size. Capital letters and numbers should be  $1\frac{1}{2}$  to  $1\frac{3}{4}$  mm high after reduction.

**MICROGRAPHS** Micrographs should be planned so that they can be reproduced same size (not reduced). Figure numbers and lettering should be  $2\frac{1}{2}$  to 3 mm high in sans serif style. If authors are unable to provide figures labeled satisfactorily, the Press will label them; in this case, the author must provide an overlay or diagram to show exactly where such labeling should appear.

In general, limit the field of a micrograph to the regions and structures discussed in the report; eliminate irrelevant structures or expanses. Cropping unnecessary areas from micrographs saves space and expense. If a micrograph must be specifically oriented, mark "top" on the back of the print.

Micrographs that are grouped should be of uniform size and shape, with the edges of the prints touching. The engraver will tool thin white lines between figures. Plan the over-all size of the grouping so the legend will fit below the composite; if the grouping occupies a full page, the legend will appear at the foot of the facing page. The Journals Office prefers that multiple photographs be submitted unmounted with a diagram showing the desired layout.