THE AMERICAN SOCIETY FOR CELL BIOLOGY

announces its

30th Annual Meeting

to be held in the

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December 9 - 13, 1990

* * *

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Department of Molecular Biology
La Jolla, California

William E. Balch
Scripps Clinic & Research Foundation
Department of Molecular Biology
La Jolla, California

The Abstract Packet will be mailed to members in early Spring, 1990

The deadline for receipt of Abstracts is August 1, 1990

Inquiry no. 1
Call for Papers

CELL REGULATION

Published by The American Society for Cell Biology

Topics published include:
- gene regulation
- phosphorylation, Ca-binding regulatory proteins
- intracellular signaling, phosphoinositol pathway
- oncogenes, GTP-binding proteins
- cell adhesion proteins
- receptors
- growth factors, hormones

The cut-off dates for the next available issues are:

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<th>Issue</th>
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<td>August</td>
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Every effort is made to render decisions on manuscripts within 14 working days from the date of receipt. For information on manuscript guidelines, please refer to the Instructions to Authors in this issue or contact the Publications Office:

Cell Regulation/ASCB
9650 Rockville Pike
Bethesda, Maryland 20814
Phone: (301) 530-7153
FAX: (301) 571-8304

Inquiry no. 2

CELL REGULATION (ISSN 1044-2030) is published monthly (one volume per year) by The American Society for Cell Biology, Bethesda, MD 20814. Subscription prices: $200 for institutions and $100 for non-ASCB members. A special subscription rate of $80 is available for regular members of The American Society for Cell Biology and $20 for student members. Application to mail at second-class postage rates is pending at Bethesda, MD and at additional mailing offices. POST-MASTER: Send address changes to CELL REGULATION, ASCB Publications Office, 9650 Rockville Pike, Bethesda, MD 20814.
CELL REGULATION, published by the American Society for Cell Biology, publishes papers describing outstanding research contributions in molecular cell biology. The scope of the journal covers a broad range of topics including all aspects of cell regulation and the reception, transduction, and integration of information. CELL REGULATION deals with the molecular biology and physiology of receptors, transducing systems, informational molecules, and their relevance to the growth, development, and physiology of prokaryotic and eukaryotic cells. Innovations in manuscript routing make it possible for the journal to shorten the review process. The primary criterion for acceptance is scientific quality, but preference will be given to papers grounded on solid biochemistry and molecular biology.

Organization of manuscripts

Manuscripts should be written in concise, logical and grammatically correct English. The desired length of regular papers published in CELL REGULATION is 10 printed pages or less. However, when justified by the content, a manuscript of any length may be acceptable. The manuscript should be organized into Abstract, Introduction, Results, Discussion, Methods, Acknowledgements, References, Tables, and Figure Legends. The Title Page should include the authors' full names and affiliations, a running title of less than 40 characters, and the phone and FAX numbers of the corresponding author. The Abstract should be approximately 150 to 200 words long and should summarize the questions being addressed, the approach taken, the major findings, and the significance of the results. The Results and Discussion sections can be subdivided further if subheadings give the manuscript more clarity.

Figures and legends

All figures should be prepared professionally. Computer representations of figures are unacceptable unless they are equal in quality to those drawn professionally and have been reproduced on a laser printer.

Figures should be cited in numerical order in the text. Type legends double-spaced and consecutively on a separate sheet. Arabic numerals should be used for figures and upper case letters for multiple parts of a single figure (e.g., Figures 1A and 2B). Printed full-page illustrations must not exceed the Journal page dimensions of 16 x 23 cm unless arrangement is made with the editor. Illustrations composed of multiple pieces must be mounted on mounting board. Micrographs should be planned so that they can be reproduced without reduction. Single-column figures must not exceed 7.5 x 23 cm. Double column figures must be greater than 12 x 23 cm but not exceed 16 x 23 cm. Plan labeling so that upon reduction the height of numbers and capital letters will be 1/4 mm. Figures and legends should fit on the same page.

Figures should be unambiguous, as conceptual as possible, and provide enough information so that the reader can understand them without significant input from the text.

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Type tables double-spaced on sheets separate from the text and make them self-contained and self-explanatory. Do not use vertical rules. Label each table at the top with a Roman numeral followed by the table title. Insert explanatory material and footnotes below the table. Supply units of measure at the heads of the columns.

Conventions

This Journal follows the abbreviations of the Council of Biology Editors Style Manual (fifth edition, 1983, Council of Biology Editors, Inc., 9650 Rockville Pike, Bethesda, Maryland 20814). For chemical nomenclature, follow the Subject Index of Chemical Abstracts. Capitalize trade names and give manufacturers’ names and addresses.
**Abbreviations.** A term that does not appear in the abbreviations list of the Council of Biology Editors Style Manual must be used five times or more in a paper to qualify as an abbreviation. Spell out the term on first mention and follow it with the abbreviated form in parentheses. Thereafter use the abbreviated form. Supply a footnote of nonstandard abbreviations used in the paper, in alphabetical order, and give each abbreviation followed by its spelled-out version. In general, the number of abbreviations should be kept to a minimum.

**Key words.** List up to five key words on the title page. Do not duplicate words in the article title. A key “word” can be a phrase that is no longer than three words.

**References**

References should be cited in the text by name and date and not by number as in: (Ruoslahi and Pierschbacher, 1987; Sporn et al., 1987). Only articles published or in press should be listed in the Reference section. References should contain complete titles and inclusive page numbers. Unpublished results, including personal communications and submitted manuscripts, should be cited as such in the text. Personal communications must be accompanied by permission letters unless they are from the authors’ laboratory.

**Submission of papers**

One original and three copies of each paper should be submitted. Papers should be typed double-spaced on bond paper, and should be in a final form requiring minimal editing. Manuscripts that have been printed on a dot matrix printer that does not produce letter quality text will be returned without review. Authors interested in submitting manuscripts on diskette should contact the Managing Editor for format specifications. High quality glossy prints of each figure should accompany the original manuscript and each copy. Color figures should be submitted as both glossy prints and slides. Submission of a manuscript to *CELL REGULATION* implies that it has not been submitted for publication elsewhere and that it contains unpublished, new information. Copies of closely related papers that are in press or have been submitted elsewhere should also be submitted in order to facilitate the review process. Authors should submit papers to:

Ms. Dorothea C. Wilson, Managing Editor
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American Society for Cell Biology
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Bethesda, Maryland 20814
Phone: (301) 530-7153
FAX: (301) 571-8304

Questions regarding submitted manuscripts should be directed to the Managing Editor.

**Reviewing procedure**

The manuscripts submitted to *CELL REGULATION* should be fully documented, original research papers. The primary criterion of suitability for *CELL REGULATION* is the importance of the results. If the Editors consider a manuscript unsuitable for the scope and content of the Journal, the manuscript will be returned within a few days of submission along with a statement explaining the basis for this decision.

If the Editors consider a manuscript appropriate, it will be sent to reviewers. An editorial decision based on the review will be provided to the author within a few weeks of submission.

**Publication**

**Publication schedule.** Every effort will be made to publish manuscripts within three months after receipt. Authors can help to reduce the publication time of a manuscript by returning corrected page proofs to the ASCB Publications Office not more than 48 hours after receipt.

**Proofs.** Page proofs are sent to the author, along with instructions on handling text and figure proofs. Corrections should be restricted to printer’s errors. Information on authors’ charges for offprints and special services will also be provided at this time.

**Reprints.** A reprint order form included with the page proofs must be returned before the Journal goes to press. As indicated on the forms, an institutional purchase order must be sent to the printer before reprints will be released.
Page and plate charges. There is a basic page charge of $25 per page. The author’s inability to meet charges will not affect the publication of acceptable manuscripts. The surcharge for halftone illustrations is $14 per halftone. There is a special charge for color printing. Publisher will provide price quotes to authors once the manuscript has been accepted.

Cover photographs. Starting mid-1990, each cover of Cell Regulation will have an illustration selected from one of the articles published in that issue. Authors who wish to have a color photograph considered for the cover should submit a glossy print (8 × 10 inches), a slide, and a summary of what the illustration shows.

Methods
Methods should reference all standard procedures, but should be complete enough so that the results can be verified by other laboratories.

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Publication of a paper in Cell Regulation implies that the authors agree to distribute freely cell lines, recombinant plasmids, vectors, viruses, and experimental protocols that were used to obtain results presented in the article. Prior to obtaining these materials, interested scientists will provide the authors with a written statement that they will be used for noncommercial research purposes only.
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BIOLGY OF PLANT AND ANIMAL EXTRACELLULAR MATRIX

Airlie House, Virginia

Organizers: W. S. Adair, Tufts Medical School, Boston and R. P. Mecham, Washington University, St. Louis

PLENARY LECTURE

Three-Dimensional Organization of Plant and Animal Extracellular Matrix. U. W. Goodenough, Washington Univ, St. Louis

SESSION 1: CELL WALL STRUCTURE/COMPOSITION

Plant Cell Wall Tectonics. J. E. Varner, Washington Univ, St. Louis

Evolution of a Cell Wall Model. D.A. Lampert, Michigan State Univ, East Lansing

Formation and Functions of Xyloglucan. G. Maclachlan, McGill Univ, Montreal

SESSION 2: ANIMAL MATRIX STRUCTURE/FUNCTION

Proteoglycan Structure and Function. T. Wight, Univ Washington, Seattle

Complex Carbohydrates (N & O-Linked) in Mammalian Macromolecules. A. Herscovics, McGill Univ, Montreal

Supramolecular Organization of Extracellular Matrix. D. Birk, Rutgers Med Sch, Piscataway

Structure, Function, and Ligand Recognition of Beta 3 Integrins. D. Cheresh, Scripps Clinic, La Jolla

SESSION 3: ANIMAL MATRIX BIOSYNTHESIS

Paradigms for Matrix Assembly. J. McDonald, Washington Univ Med Sch, St. Louis

Organization and Assembly of the Basement Membrane. P. Yurchenco, Rutgers Univ, Piscataway

Receptor-Mediated Assembly of the Elastic Fibers. R. Mecham, Washington Univ, St. Louis

Crosslinking and Lysyl Oxidase. H. Kagan, Boston Univ, Boston

SESSION 4: CELL WALL BIOSYNTHESIS/ASSEMBLY/DEGRADATION

 Biosynthesis and Assembly of Cellulose and Non-Cellulosic β-Glucans. D. Delmer, Hebrew Univ, Israel

Chlamydomonas Lysins: Stage-Specific Cell Wall Hydrolases. S. Waffenschmidt, Univ Köln, West Germany

Synthesis and Secretion of Cell Wall Glycoproteins and Complex Polysaccharides. A. Stachelin, Univ Colorado, Boulder

HRGPs of the Chlamydomonas Outer Cell Wall. W. S. Adair, Tufts Med Sch, Boston

SESSION 5: MOLECULAR BIOLOGY OF PLANT CELL WALLS

Regulation of Cell Wall Genes During Plant Growth and Development. C. J. Lamb, Salk Inst, San Diego

Repetitive Proline-Rich Proteins in the Cell Wall of the Soybean Seeding. A. Marcus, Fox Chase Cancer Inst, Philadelphia

Molecular Biology of Higher Plant HRGPs. A.M. Snowalter, Ohio Univ, Athens

Cloning and Expression of Chlamydomonas Zygote Wall Genes. U. W. Goodenough, Washington Univ, St. Louis

SESSION 6: MOLECULAR BIOLOGY OF ANIMAL MATRIX


Basement Membrane Components. Y. Yamada, NIH, Bethesda

Protein Diversity through Alternative Splicing Mechanisms. J. Rosenbloom, Univ Pennsylvania, Philadelphia

Basement Membranes of Drosophila. J. Fessler, UCLA, Los Angeles

SESSION 7: ANIMAL CELL/MATRIX INTERACTIONS

ECM and Neural Development. D. Hunter, Washington Univ Med Sch, St. Louis

Extracellular Matrix in Sea Urchin Development. D. McClay, Duke Univ, Durham

Roles of Matrix in Development. Charles Struhl, Univ California, Berkeley

SESSION 8: PLANT AND MICROBIAL CELL/MATRIX INTERACTIONS

Interactions between Plant Cells and their Extracellular Matrix. K. Roberts, John Innes Inst, Great Britain

Immunological and Functional Identity between Human Vitronectin Receptor and a Protein in Plants.

M. Schindler, Michigan State Univ, East Lansing

Roles of Oligosaccharins in Plant Growth and Defense. P. Albersheim, Univ Georgia, Athens

Adhesion of Pathogenic Bacteria to Host Glycoproteins and Glycolipids. D. Roberts, NIH, Bethesda

AMERICAN SOCIETY FOR CELL BIOLOGY

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June 9-13 1990

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