



Lectures

"The Immediate Pigment Darkening Phenomenon" - Dr. Herbert Hönigsmann, University of Vienna

"Role of Light in the Cause and Treatment of Seasonal Depression" - Dr. Thomas Wehr, National Institute of Mental Health

"The Relation Between Structure and Energy Transfer in Photosynthesis" - Dr. Robert M. Pearlstein, Indiana Purdue University

Title to be Announced - Koji Nakanishi, Columbia University

Photobiology Schools

"Resonance Raman Studies of Bacteriochlorophyll-Protein Complexes" - Therese Cotton, University of Nebraska

"Molecular Genetic Studies of Bacterial Photosynthetic Units" - Douglas Youvan, Cold Spring Harbor Laboratory

"Detection and Biological Function of Active Oxygen Species" - Norman I. Krinsky, Tufts University School of Medicine

"Applications of Molecular Photobiology to Photomedicine" - Angelo A. Lamola, Bell Laboratories

Symposia

LIGHT-HARVESTING AND ENERGY TRANSFER IN PHOTOSYNTHETIC MEMBRANES

Organizer: Richard Malkin -- Dedicated to Warren L. Butler

Including Presentations by: Robert Knox, University of Rochester; Graham Fleming, University of Chicago; Arthur Ley, Rockefeller University; Alex Glazer, University of California, Berkeley

STRUCTURE AND FUNCTION OF BACTERIAL REACTION CENTERS

Organizer: Melvin Y. Okamura

Including presentations by: Melvin Y. Okamura, University of California, San Diego; Hartmut Michel, Max Planck - Institut für Biochemie; Dewey Holten, Washington University; Wolfgang Lubitz, Freie Universität Berlin

PHYTOCHROME: A KEY ENVIRONMENTAL PHOTODETECTOR IN PLANTS

Organizer: Winslow R. Briggs; Chairman: Lee H. Pratt -- Dedicated to Warren L. Butler

Including presentations by: Lee H. Pratt, University of Georgia; Lon S. Kaufman, Carnegie Institution of Washington; Jane Silverthorne, University of California, Los Angeles; Peter H. Quail, University of Wisconsin; Stanley Roux, University of Texas, Austin

THE RHODOPSINS

Organizer: Laura Eisenstein

Including presentations by: Bonnie Ann Wallace, Columbia University College of Physicians and Surgeons; Robert S. H. Liu, University of Hawaii at Manoa; Paul Hargrave, University of Florida; Robert Birge, Carnegie-Mellon University; Rajni Govindjee, University of Illinois; Kenneth Foster, Syracuse University; John Spudich, Albert Einstein Medical College; Laura Eisenstein, University of Illinois; Roberto Bogomolni, University of California, San Francisco; Janos K. Lanyi, University of California, Irvine; Richard A. Mathies, University of California, Berkeley

REPAIR OF DNA PHOTOPRODUCTS IN MAMMALIAN CELLS

Organizer: James E. Cleaver -- Dedicated to Shih Y. Wang

Including presentations by: Judith M. Clarkson, University of Texas System Cancer Center; Steven Dresler, Washington University School of Medicine; G. J. Kantor, Wright State University; Steven M. Cohn, Washington University School of Medicine; Steven A. Leadon, Stanford University

NEAR UV RADIATION INDUCED DAMAGE: DNA AND MEMBRANES

Organizer: Stephen H. Moss

Including presentations by: Stephen H. Moss, University of Bath; Meyrick J. Peak, Argonne National Laboratory; Rex M. Tyrrell, Institute Suisse de Res. Exp. Cancer; Robert W. Tuveson, University of Illinois

#### THE MECHANISM OF PHOTSENSITIZATION

Organizer: T. G. Truscott

Including presentations by: T. G. Truscott, Paisley College of Technology; John D. Spikes, University of Utah; C. S. Foote, University of California, Los Angeles; Leonard I. Grossweiner, Illinois Institute of Technology; Giuliana Moreno, Museum National D'Histoire Naturelle, Paris, France

#### PHOTOMEDICINE: CANCER, IMMUNOLOGY, PHOTOMOLECULAR EVENTS AND A NEW THERAPY

Organizer: John H. Epstein and Madhu Pathak

Including presentations by: Raymond Daynes, University of Utah Medical Center; Paul Bergstresser, University of Texas Health Center; Edward De Fabo, Bethesda, MD; John H. Epstein, San Francisco, CA; Madhu Pathak, Harvard Medical School; Vincent De Leo, Rye, NY; Allan Oseroff, Harvard Medical School

#### LUMINESCENCE IN BIOLOGICAL SYSTEMS

Organizer: Shiao-Chun Tu

Including presentations by: Marlene DeLuca, University of California at San Diego; J. Woodland Hastings, Harvard University; Franklin Prendergast, Mayo Foundation; Howard H. Seliger, The Johns Hopkins University

#### CUTANEOUS RESPONSES TO UVA

Organizer: Frederick Urbach

Including presentations by: Maxim F. Mutzhas, Firmengruppe Mutzhas, Muenchen, FRG; Meyrick J. Peak, Argonne National Laboratory; Richard Gange, Massachusetts General Hospital; Lorraine H. Kligman, University of Pennsylvania; Joseph A. Zuclich, Technology Incorporated; Warwick L. Morison, Frederick Cancer Research Facility; John A. Parrish, Massachusetts General Hospital; P. Donald Forbes, Temple University Health Sciences Center; Thomas B. Fitzpatrick, Harvard University; Robert M. Sayre, Plough Inc.

#### PHOTOSENSORY TRANSDUCTION IN MICROORGANISMS AND PLANTS

Organizer: Mary Ella Feinleib

Including presentations by: M. Melkonian, Westfalische Wilhelm Universitat; G. B. Witman, Worcester Foundation for Experimental Biology; N. Morel-Laurens, Tufts University; P. Galland, Syracuse University; K. L. Poff and B. Steinitz, Michigan State University; W. Shropshire, Jr., Smithsonian Environmental Research Center

#### ASP RESEARCH AWARD IN PHOTOBIOLOGY

The American Society for Photobiology solicits nominations for the 1986 "ASP RESEARCH AWARD" which will consist of an inscribed plaque and a monetary award of \$1,000 to be presented to a scientist in the early stages of his or her career who is active in one of the fields of photobiology. Any scientist who has completed his or her university education within the ten years preceding the nomination, and who has conducted or directed the research on which the nomination is based in a clearly independent manner is eligible for the prize. Letters of nomination, to be submitted by at least two individuals for each candidate, as well as requests for information, should be directed to the ASP Secretariat, Suite 300, 1340 Old Chain Bridge Road, McLean, VA 22101. All materials **MUST** be received in McLean by no later than 13 September 1985.

#### New Journal

Lasers in the Life Sciences - a journal to provide a forum for debate for all the basic science, instrumentation and applications issues spanning such areas as physics, chemistry, engineering and the medical and biological sciences.

The journal should be particularly valuable to physicians and surgeons involved with laser applications in medicine, and to biologists, biochemists, biophysicists, and biomedical engineers active in such areas as photobiology...photochemical, thermal and mechanical processes...optics...and laser instrumentation and diagnostic devices.

Regional editors include Franz Hillenkamp, West Germany; David H. Sliney, USA; Jai Nan Quin, China; and V. S. Letokhov, USSR. In addition, the initial Editorial Board consists of such noted authorities as Salvatore Aloj, Italy; Mike Burns, USA; Martin Mainster, USA; John Marshall, England; John Parrish, USA; and Martin vanGemert, The Netherlands.

A Call-for-Papers - As more and more breakthroughs occur in the development and use of lasers, Lasers in the Life Sciences could play an increasingly vital role in the advancement of new ideas and techniques. For more information contact: Ashley J. Welch, Biomedical Engineering Program, University of Texas, Austin, Texas 78712.

Position Available

Postdoctoral Research Associate. Two (2) postdoctoral positions will be available beginning April 1, 1985 to study the photoactive membranes and related systems. Applicants should have interest and/or background in membrane research or photochemistry and/or photobiology. Experience with electrochemistry is highly desirable. Initial appointment is for one year and may be renewed for additional years at a salary range 12 G to 20 G per annum. Send curriculum vitae and three letters of recommendation to: Prof. H. Ti Tien, Membrane Biophysics Lab, Department of Physiology, Michigan State University, East Lansing, MI 48824.

Meetings

1985

- Aug. 11-15 36th Annual Meeting American Institute of Biological Sciences, University of Florida, Gainesville. Dr. James W. Kimbrough, Professor of Botany, General Chairman. To register and for more information see the February issue of BioScience or contact the Meetings Department, A.I.B.S., 1401 Wilson Boulevard, Arlington, VA 22209, Tel: 703-527-6776.
- Aug. 19-23 CO<sub>2</sub> Fixation by Green Plants, William L. Ogren, Chairman, Gerald E. Edwards, Vice Chairman. Kimball Union Academy, Meriden, NH. If you wish additional information contact: Alexander M. Cruickshank, Director, Gordon Research Center, University of Rhode Island, Kingston, Rhode Island 02881-0801, Telephone 401-783-4011.
- Sept. 9-12 Genetic Engineering of Animals: An Agricultural Perspective. University of California, Davis. The program is designed to: Appeal to a broad audience in animal research, increase awareness of how genetic engineering research may aid future research efforts and animal agriculture. Concepts, applications and future applications will be featured. Live demonstrations will highlight the program. For further information and a detailed registration brochure contact: Carroll Miller, The College of Agricultural and Environmental Sciences (N), University of California, Davis, Davis, California 95616, phone (916) 752-6435. Registration deadline is July 30, 1985.

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- Aug. 10-15 VII International Congress on Photosynthesis. For further information contact: Congress Secretariat, Dr. J. Biggins, Division of Biology and Medicine, Brown University, Providence, RI 02912, Telephone 401-863-2426.

Roommate Needed for National Meeting

Female graduate student planning to attend 1985 ASP meeting in New Orleans needs roommate to share expenses. Contact: Rebecca Conner, Western Kentucky University, Biology Dept., Bowling Green, KY 42101, telephone: 502-745-5991.

**AMERICAN SOCIETY FOR PHOTOBIOLOGY**

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