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<tr>
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Daniel E. Koshland, Jr., Ph.D.
Editor of Science

Co-Chairman:
Charles R. Cantor, Ph.D.
Director of Human Genome Center
Lawrence Berkeley Laboratory

PROGRAM
KEYNOTE ADDRESSES
Opening Welcome:
Richard Atkinson, President, American Association for the Advancement of Science.
Role of the Meeting:
Charles Cantor, Director, Human Genome Center, Lawrence Berkeley Laboratory.

CURRENT STATUS OF THE GENOME PROJECT
THE GENETIC MAP: Raymond White, Howard Hughes Medical Institute, University of Utah.
RESTRICTION MAPS: Cassandra Smith, University of California, Berkeley.
CLONING: Ronald Davis, Stanford University School of Medicine.
APPLICATIONS: Thomas Caskey, Howard Hughes Medical Institute, Baylor College of Medicine.
SOCIAL IMPLICATIONS: Daniel Koshland, University of California, Berkeley.

TECHNIQUE INNOVATIONS
PCR OF SINGLE SPERM: Norman Arneheim, Ahmanson Center for Biological Research, University of Southern California.
SEQUENCING METHODS: George Church, Harvard Medical School.
DNA CLEAVAGE: Peter Dervan, California Institute of Technology.
RADIATION HYBRIDS: David Cox, University of California, San Francisco.
IN SITU HIBRIDIZATION: Jeanne Lawrence, University of Massachusetts Medical Center.
RAPID MAPPING: Glen Evans, Salk Institute.

INTERESTING REGIONS
CYSTIC FIBROSIS: Francis Collins, Howard Hughes Medical Institute, University of Michigan Medical Center.
IMMUNOGLOBULINS: Kasumi Honjo, Kyoto University Faculty of Medicine.
IMMUNOGLOBULINS: Hans Zachau, Institute for Physiological Chemistry, University of Munich.
T-CELL RECEPTORS: Leroy Hood, NSF Science and Technology Center for Biotechnology, California Institute of Technology.
FRAGILE X: Jean-Louis Mandel, Institut de Chimie Biologique, Strasbourg.

APPLICATIONS
HUMAN EVOLUTION: Allen Wilson, University of California, Berkeley.
MULTIGENE DISEASES: Eric Lander, Whitehead Institute for Biomedical Research, Cambridge, Massachusetts.
HUMAN DIVERSITY: Jean Dausset, Human Polymorphism Study Center (CEPH).
SEX DETERMINATION: David Page, Whitehead Institute for Biomedical Research.
UNSTABLE SEQUENCES: Michio Oishi, University of Tokyo.
INTERPRETING SEQUENCES: Russell Doolittle, University of California, San Diego.

ORGANIZATION – DIFFERENT VIEWS OF CURRENT AND FUTURE SCIENCE AND PROCEDURES
HUGO: Victor McKusick, Johns Hopkins University School of Medicine; President, The Human Genome Organisation (HUGO).
NIH: James Watson, Cold Spring Harbor Laboratory; NIH Human Genome Project.
DOE: Charles Cantor, Human Genome Center, Lawrence Berkeley Laboratory.
EEC: Peter Pearson, Johns Hopkins University School of Medicine.
JAPAN: Nobuyoshi Shimizu, Keio University School of Medicine.
INFOMATICS: David Lipman, National Library of Medicine.
OVERVIEW: Renato Dulbecco, Salk Institute.

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• Cellular Mechanisms Underlying LTP and Excitotoxicity
• Excitatory Amino Acids and Ischaemic Damage

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P. Andersen (Oslo, Norway), K. Beam (Fort Collins, CO), D.W. Choi (Standord, CA), T. Curran (Nutley, NJ), B.A. Engelsen (Bergen, Norway), M. Favaron (Washington, DC), C. Fieschi (Rome, Italy), D.R. Grayson (Washington, DC), I. Hanbauer (Bethesda, MD), K.P. Huang (Bethesda, MD), C.B. Klee (Bethesda, MD), A. Leon (Abano Terme, Italy), R.R. Llinas (New York, NY), G. Lynch (Irvine, CA), H. Manev (Washington, DC), C. Manni (Rome, Italy), M. Morad (Philadelphia, PA), F. Moroni (Florence, Italy), T. Pozzan (Padua, Italy), R. Siman (Wilmington, DE), R. Simon (San Francisco, CA), K. Suzuki (Tokyo, Japan), R.K.S. Wong (New York, NY), P.L. Wood (St. Louis, MO), G.N. Woodruff (Harlow, UK)

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- Paul DeHart Hurd, Professor Emeritus, Science Education, Stanford University
- Jon Miller, Director, Social Science Research Institute, Northern Illinois University
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