



BECKMAN CENTER

SYMPOSIUM ON
MOLECULAR AND GENETIC MEDICINE
STANFORD UNIVERSITY
MAY 24-26, 1989



YOU ARE CORDIALLY INVITED
TO ATTEND A CELEBRATION
TO MARK THE OPENING OF
THE ARNOLD AND MABEL
BECKMAN CENTER
FOR MOLECULAR AND
GENETIC MEDICINE
AT STANFORD UNIVERSITY
ON MAY 25, 1989
BEGINNING AT FOUR O'CLOCK
IN THE AFTERNOON

SYMPOSIUM ON MOLECULAR AND GENETIC MEDICINE

BECKMAN CENTER
STANFORD UNIVERSITY
FAIRCHILD AUDITORIUM

PROGRAM

MAY 24, 1989

8:00 am Registration and refreshments

8:30 am Welcome and Introductions
Donald Kennedy,
President
Stanford University

David Korn,
Vice President and Dean
School of Medicine

Paul Berg,
Professor of Biochemistry and
Director, Beckman Center

Session I

9:00 am *Developmental Morphogenesis*—Lucille Shapiro, Chair
Gerry Rubin: *Development of the Drosophila Retina*
Robert Horvitz: *Genes That Control Aspects of Nematode Development*
Douglas Melton: *Embryonic Induction and Axial Patterning in Frog Development*
Shirley Tilghman: *Developmental Regulation of Genes in the Mouse*

12:45 to 2:00 pm Lunch Break

Session II

2:00 pm *The Immune Response*—Irving Weissman, Chair
David Baltimore: *Transcriptional Decision-Making in Lymphoid Cells*
Philippa Marrack: *The T Cell Repertoire: Selection, Tolerance and Food Poisoning*
Klaus Rajewsky: *Structural and Functional Anatomy of the B Lymphocyte System*
Peter Schultz: *Catalytic Antibodies*

5:30 pm Session Concludes

Session III

8:45 am *Intercellular Communication*—Richard Tsien, Chair
Shosaku Numa: *Neurotransmitter Receptors and Ionic Channels: From Structure to Function*

A. J. Hudspeth: *Initial Events in Hearing: Mechano-electrical Transduction by Hair Cells of the Internal Ear*

Pierre Chambon: *Functional Dissection of Nuclear Receptors*

Robert Lefkowitz: *The Adrenergic Receptors*

12:30 pm Symposium adjourns for the afternoon*

4:00 pm Reception in honor of the Founding Donors
Beckman Center Lobby

4:30 pm Tours of the Beckman Center

MAY 26, 1989

8:45 am *Molecular and Genetic Aspects of Disease*—Uta Francke, Chair
Eric Lander: *Unravelling Complex Genetic Inheritance*
Lee Hood: *Immunological Recognition, Autoimmunity and the Immunoglobulin Gene Superfamily*

Y. W. Kan: *The Control of a Genetic Disease Through Molecular Genetics*
Michael Brown: *How Genes Control Cholesterol*

12:30 to 1:45 pm Lunch Break*

Session V

1:45 pm *Molecular and Genetic Aspects of Disease*—Joseph Goldstein, Chair
Michael G. Rossmann: *Structure and Mechanism of Antiviral Agents That Bind to Rhinovirus Capsids*

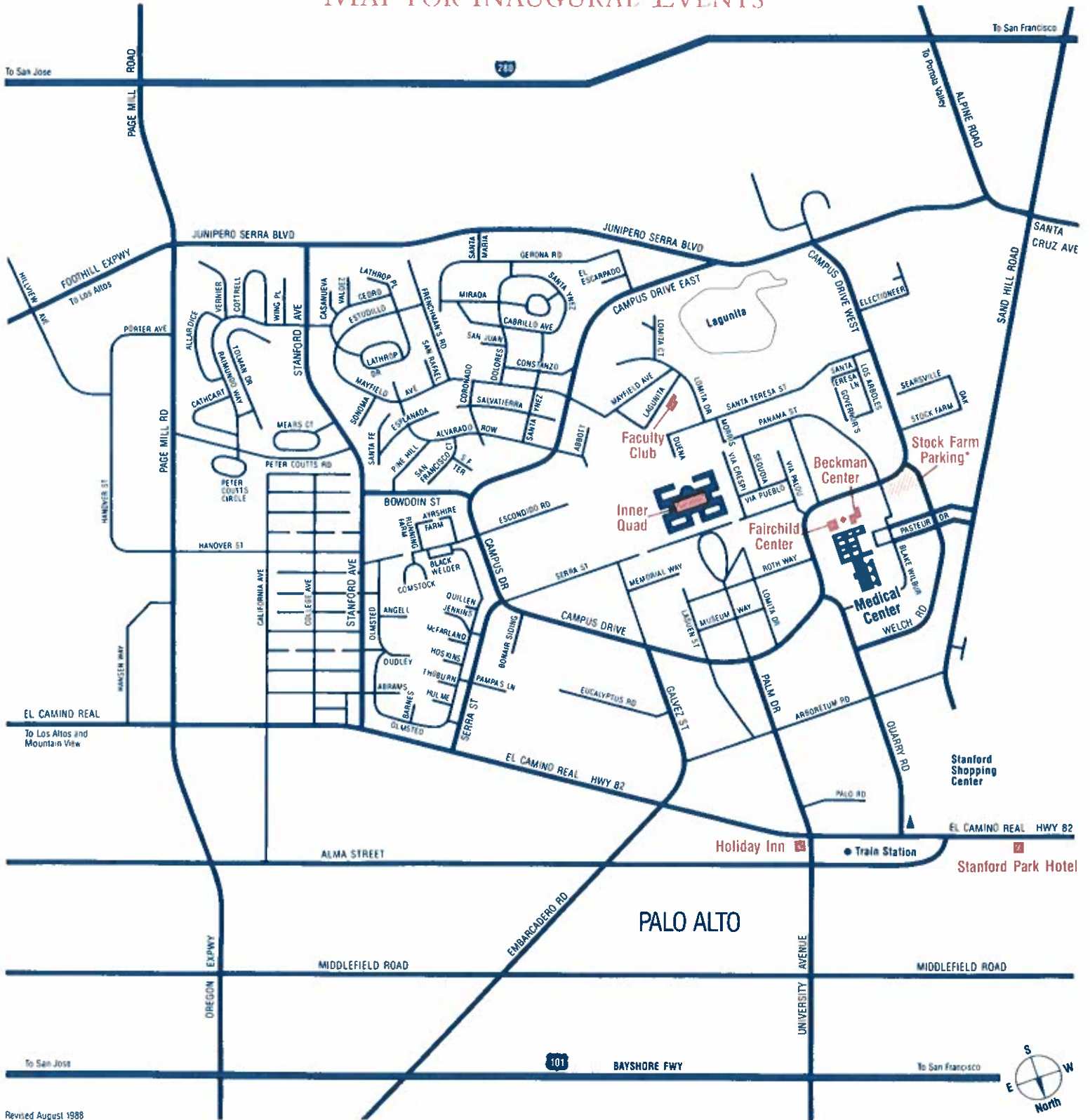
Michael Bishop: *Oncogenes: Bench to Bedside*

Richard Axel: *CD4: A Receptor Mediating Cell-Cell and Cell-AIDS Virus Interactions*

5:15 pm Symposium Concludes*

*On Thursday and Friday between 12:45–2 pm and 5–6 pm participants are invited to demonstrations sponsored by IBM Corporation in Conference Room B200 on the second floor of the Beckman Center. Demonstrations will include Information Processing in Molecular Biology including database search, DNA and protein sequence analysis, molecular modeling, molecular dynamics, simulation of DNA metabolism, and data acquisition.

MAP FOR INAUGURAL EVENTS



*Note: Continuous shuttle service will be provided for 45 minutes preceding each day's morning program.

THE BECKMAN CENTER GRATEFULLY
ACKNOWLEDGES IBM CORPORATION FOR ITS
GENEROUS SUPPORT OF THE INAUGURAL
SYMPOSIUM AND EVENTS.