

SECOND ANNUAL SYMPOSIUM ON MOLECULAR AND GENETIC MEDICINE

Stanford University February 7 and 8, 1991



SECOND ANNUAL SYMPOSIUM ON MOLECULAR AND GENETIC MEDICINE FAIRCHILD AUDITORIUM, STANFORD UNIVERSITY FEBRUARY 7 AND 8, 1991 PROGRAM

	THURSDAY, FEBRUARY 7		FRIDAY, FEBRUARY 8
Session I	FROM POPULATIONS TO MOLECULES	Session III	PATTERN FORMATION AND CELL FATE
8:50 - 9:00	Opening remarks - Gilbert Chu, Chair	8:50 - 9:00	Opening Remarks - Lucy Shapiro, Chair
9:00 - 9:40	Mary-Claire King: A Genetic Linkage for Human Breast Cancer	9:00 - 9:40	Christiane Nüsslein-Volhard: Axis Determination in the Drosophila Embryo
9:40 - 10:20	Thomas Waldmann: The Interleukin-2 Receptor: A Target for Immune Intervention in Leukemia, Autoimmunity and Organ Allografts	9:40 - 10:20	Matthew Scott: Genetic Regulation of Development by Homeotic Genes
10:20 - 10:40	BREAK	10:20 - 10:40	BREAK
10:40 - 11:20	Myron Essex: Biology and Natural History of Human Retroviruses	10:40 - 11:20	Peter Gruss: Homeobox Genes, Paired Box Genes and the Anteroposterior Axis Formation in Mice
44.20 42.00		11:20 - 12:00	Barbara Meyer: Determination of Sexual Fate
11:20 - 12:00	Stuart Orkin: From a Human Genetic Disease to Hematopoietic Cell Development	12:00 - 1:00	LUNCH
12:00 - 1:00	LUNCH	Session IV	THE MABEL BECKMAN LECTURES: NEW TECHNOLOGIES IN BIOLOGY AND MEDICINE
Session II	MOLECULAR AND CELLULAR COMMUNICATION		Introduction - Paul Berg
1:00 - 1:10	Opening Remarks - Richard Tsien, Chair	1.00	· ·
1:10 - 1:50	Jeremy Nathans: Molecular Genetics of Visual Pigments	1:00 - 1:10	Opening remarks - Stephen Smith, Chair
1:50 - 2:30	Richard Henderson: Structure of Bacteriorhodopsin and Implications for the Mechanism of Proton Pumping	1:10 - 1:50	Calvin Quate: Imaging at the Molecular Level With the Scanning Force and Tunneling Microscopes
2:30 - 2:50	BREAK	1:50 - 2:30	Paul Hansma: Medical and Biological Applications of the Scanning Force Microscope
2;50 - 3;30	Christopher Miller: Ion Permeation as a Probe of Ion Channel Structure	2:30 - 2:50	BREAK
3:30 - 4:10	Eric Kandel: Cell and Molecular Biological Approaches to Long Term Memory	2:50 - 3:30	Roger Tsien: Optical Measurement and Manipulation of Intra-Cellular Signals
	to tong term memory	3:30 - 4:20	Richard Lerner: Catalytic Antibodies

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IBM Corporation Affymax, Applied Biosystems, Bristol-Myers Squibb, Clontech, DNAX, Gilead, Sandoz, Schering-Plough, Syntex