1998 Laureates Honorary Papers

DEVELOPMENTAL BIOLOGY AND CANCER

PAX Genes

Embryonal Tumors

Embryonal Tumors and Breast Cancer

Leukemia and Developmental Genes

Identification and Characterization of Collaborating Oncogenes in Compound Mutant Mice

Anton Berns, Harald Mikkers, Paul Krimpenfort, John Allen, Blanca Scheijen, and Jos Jonkers

1773s
Role of \textit{TCL1} and \textit{ALL1} in Human Leukemias and Development

Carlo M. Croce .................................................. 1778s

Intersections between Blood Cell Development and Leukemia Genes

\textit{Stuart H. Orkin, Catherine Porcher, Yuko Fujiwara, Jane Visvader, and Li-Chun Wang} ................. 1784s

\textbf{Leukemia and Developmental Genes: Functional Genes}

Core-Binding Factor: A Central Player in Hematopoiesis and Leukemia

\textit{Nancy A Speck, Terry Stacy, Qing Wang, Trista North, Ting-Lei Gu, Janelle Miller, Michael Binder, and Miguel Marín-Padilla} .............................................................. 1789s

The Effect of Chromosomal Translocations in Acute Leukemias: The LMO2 Paradigm in Transcription and Development

\textit{Terence H. Rabbitts, Katharina Bucher, Grace Chung, Gerald Grutz, Alan Warren, and Yoshi Yamada} .......... 1794s

Conference Participants ........................................................................................................................................................................ 1799s
Organizational Structure: General Motors Cancer Research Foundation ................................................................. 1800s
Membership of the Awards Assembly .............................................................................................................................. 1801s
Membership of the Selection Committees .................................................................................................................. 1803s
Membership of the Advisory Council ....................................................................................................................... 1804s
Author Index .............................................................................................................................................................................. 1809s

\textbf{On the Cover}

\textbf{H. Robert Horvitz, Ph.D.} (\textit{top}), winner of the Alfred P. Sloan, Jr. Prize, was cited for his outstanding research contributions leading to the initial understanding of the programmed cell death pathway in cellular biology.

\textbf{H. Rodney Withers, M.D., D.Sc.} (\textit{bottom left}), recipient of the Charles F. Kettering Prize, is Professor and Chair, Department of Radiation Oncology, University of California, Los Angeles. Dr. Withers was recognized for developing the concept and practice of the “hyperfractionation” technique of radiation therapy.

\textbf{Suzanne Cory, Ph.D.} (\textit{bottom center}) and \textbf{Stanley J. Korsmeyer, M.D.} (\textit{bottom right}), co-recipients of the Charles S. Mott Prize, were cited for their discovery that the \textit{Bcl-2} oncogene exerts its oncogenic effects through suppression of programmed cell death, or apoptosis, rather than increased cell division. This represents a fundamentally different view of malignant transformation which has had tremendous conceptual and practical implications on cancer biology and therapy.