

PREFACE

The Second International Cell Culture Congress was structured as was the First Congress to bring together scientists from academia and industry to discuss the use of cell culture in support of bioscience. It was felt that a forum whereby state-of-the-art presentations were followed by informal workshops would provide opportunity for the greatest exchange of information. Within the atmosphere of the workshop, problems common to basic as well as applied research were discussed and directions for the future were brought to light. These proceedings reflect and epitomize those discussions.

Although it is difficult to cover all scientific disciplines utilizing cells in culture, we feel key areas were addressed at the Congress and are herein presented. Considerable emphasis has been given to the methods for establishing cells in culture and characterizing the cells once established as well as the improved technology for growing established cell lines. Examples of how recombinant DNA technology is being used to manipulate genes within mammalian cells, to clone mammalian genes and to insert them in prokaryotes has been included. Major emphasis has been given to the use of lymphocytes in culture for understanding immune responsiveness and the culturing of a variety of cell types as a means to understand disease states.

While not all encompassing, these presentations certainly reflect the ferment of activity that now exists within the scientific disciplines that utilize cells in culture. Moreover,

since all contributors had the opportunity to recently review their manuscripts, the contents of these proceedings are timely. The Congress and these proceedings could not have been possible without the cooperation of all participants as well as the organizing committee and staff of the Department of Microbiology. We are extremely grateful to all for working so diligently.

Ronald T. Acton, Ph.D.
J. Daniel Lynn, M.S.