

## *Differentiation and Function of Hematopoietic Cell Surfaces*

Edited by V.T. Marchesi and R.C. Gallo

*Alan R. Liss; New York, 1982*

xvi + 298 pages. \$56.00

This is the first volume of the new series of proceedings from the UCLA symposia on molecular and cellular biology. The UCLA symposia always attract the participation of leaders in the field and this example is no exception.

The object of the symposium was to bring together workers studying red cells, white cells and platelets and to examine all three areas in depth. Fields covered thus include: proteins which regulate membrane function, the red cell membrane, active components of blood platelets and functional abnormalities of leukocytes. Some classic papers on the erythroid series are included, as are useful reviews on fibronectins, various growth factors and receptor-mediated endocytosis.

The body of the work concerns the plasma membrane of cells in the erythroid series. It is clearly in this field that the major advances in our understanding of molecular aspects of plasma membrane structure and the role of the cell surface in differentiation are being made. At this stage work on platelets and white cells is merely scratching at the surface.

Half of the chapters in this book have already appeared as papers in the Journal of Supramolecular Structure and Cellular Biochemistry, now the Journal of Cellular Biochemistry. The publishers have used the format of this journal for the whole book. This is a great advantage as their high standard of typeface and presentation of figures is used throughout, a welcome change for the hand-typed copies reproduced on third class paper so often used for proceedings.

If experts in the field are up to date with their reading of the aforementioned journal they may not find much new material in this publication. However, the book is highly recommended to newcomers to cell surface research and to those in allied fields seeking a well presented state of the game report. For the former category Richard Hynes *Surfaces of Normal and Malignant Cells* (Wiley) should be read in conjunction.

D.C. Wraith