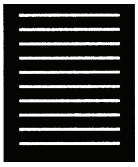
Foreword



WITH THIS BOOK, *Basic Principles in Flow Cytometry*, Vasiliki E. Kalodimou, MSc, PhD, has identified and filled the need for a concise introduction to flow cytometry that enriches the scientific literature. The original publication in Greek has been well-received and widely used. The author's translation into English—with further enhancements by Shari Tyler Root, MT(ASCP), and AABB Press—should make this resource accessible to an even broader audience.

A relatively new technology, flow cytometry is used to measure and analyze multiple physical characteristics of particles (most often cells) as they pass through a stream of liquid and are directed across a beam of light. Its use permits research into the biological behavior of cells and improves medical diagnostics, both of which are of interest to those involved in the treatment of malignant growths.

The method is applicable to all living organisms and can be useful in many practical settings. In addition to its use in developing treatments for cancer, flow cytometry can be useful in areas as varied as fetomaternal hemorrhage, human immunodeficiency virus, human papillomavirus, and paroxysmal nocturnal hemoglobinuria. The study of genetic variation is another huge area of potential utility.

Although this book addresses a technical subject, its structure and presentation make it understandable to readers who are not specialists. It should be an excellent primer for health-care professionals who need a solid foundation in flow cytometry before advancing to more detailed resources.

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