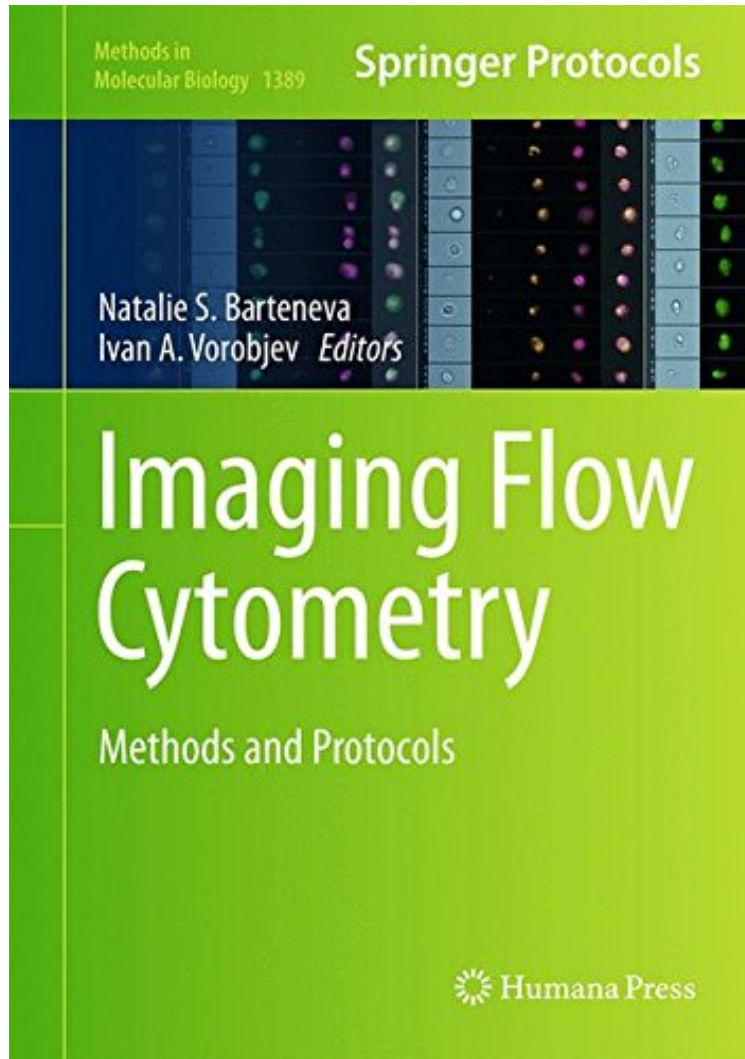


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Imaging Flow Cytometry: Methods and Protocols (Methods in Molecular Biology)

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Cytometry: Methods and Protocols (Methods in Molecular Biology):

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The purpose is to present to the scientific community the compendium of recently developed imaging flow cytometry techniques and protocols. The authors are successful in achieving these worthy objectives. Intended for the scientific community, this book will be very useful for students, graduate students, and scientists interested in learning about imaging flow cytometry and its applications. This book for the first time explores the techniques and protocols involving quantitative imaging flow cytometry in a fascinating manner. (Omer Iqbal, *Doody's Book s*, September, 2016) From the Back Cover This detailed volume for the first time explores techniques and protocols involving quantitative imaging flow cytometry (IFC), which has revolutionized our ability to analyze cells, cellular clusters, and populations in a remarkable fashion. Beginning with an introduction to technology, the book continues with sections addressing protocols for studies on the cell nucleus, nucleic acids, and FISH techniques using an IFC instrument, immune response analysis and drug screening, IFC protocols for apoptosis and cell death analysis, as well as morphological analysis and the identification of rare cells. Written for the highly successful *Methods in Molecular Biology* series, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, *Imaging Flow Cytometry: Methods and Protocols* will be a critical source for all laboratories seeking to implement IFC in their research studies.