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## Preface

This volume presents protocols for advancing the utility of nanotechnology in cancer research toward improving our understanding of cancer biology, prevention, diagnosis, and therapy. There are continuously new discoveries in the field of nanotechnology, thus creating new imaging systems or therapies. This volume does not aim at covering those expansive discoveries; instead, it focuses on how to employ certain discoveries for studying cancer by presenting principles along with techniques to allow for the transformation of any new discoveries in the field into cancer-studying tools. The audience for the field of nanotechnology in cancer is diverse and includes physical scientists, engineers, and biomedical scientists. A major deficiency in the field of cancer nanotechnology has been the limited involvement of biomedical scientists who can enhance the speed of discoveries toward cancer diagnosis and therapy. This volume of the *Methods in Molecular Biology* series in cancer nanotechnology may help focus the biomedical scientists on the potential in this field and improve their understanding of the utility of this field for conquering cancer. This volume also serves as a resource for physical scientists and engineers interested in employing nanotechnology in cancer diagnosis and therapy.

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