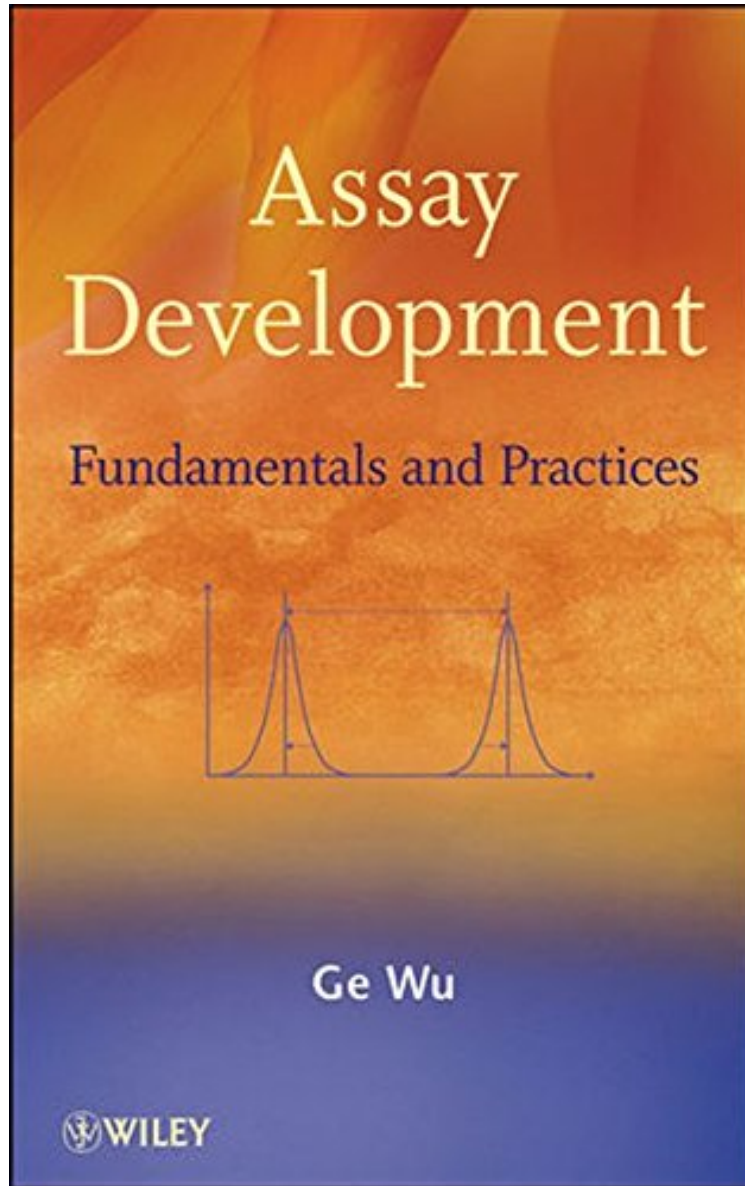


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# Assay Development: Fundamentals and Practices

*Ge Wu*

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#2233320 in Books 2010-04-26Original language:EnglishPDF # 1 9.50 x 1.10 x 6.40l, 1.65 #File Name: 0470191155429 pages | File size: 31.Mb

**Ge Wu : Assay Development: Fundamentals and Practices** before purchasing it in order to gage whether or not it would be worth my time, and all praised *Assay Development: Fundamentals and Practices*:

Essential principles and practice of assay development The first comprehensive, integrated treatment of the subject, *Assay Development: Fundamentals and Practices* covers the essentials and techniques involved in carrying out an assay project in either a biotechnology/drug discovery setting or a platform setting. Rather than attempting comprehensive coverage of all assay development technologies, the book introduces the most widely used assay development technologies and illustrates the art of assay development through a few commonly encountered biological targets in assay development (e.g., proteases, kinases, ion channels, and G protein-coupled receptors). Just enough biological background for these biological targets is provided so that the reader can follow the logics of assay development. Chapters discuss: The basics of assay development, including foundational concepts and applications Commonly used instrumental methods for both biochemical assays and cell-based assays Assay strategies for protein binding and enzymatic activity Cell-based assays High-throughput screening An in-depth study of the now popular Caliper's off-chip kinase assay provides an instructive, real-world example of the assay development process.

"Although it is not an easy task to satisfy the demands of all scientists, the book *Assay Development* is an important treatise for scientists of modern biology". (ChemBioChem, 7 March 2011) About the Author Ge Wu, PhD, is Director of Assay Development at Iris International. He obtained his doctorate in biochemistry from UCLA, performed postdoctoral work at Harvard Medical School, and was a member of the faculty at Cornell University Medical College. Prior to joining Iris International, he worked at Merck Co., Caliper Technologies, Amphora Discovery, and FivePrime Therapeutics. He is the founding Director of Assay Development and Screening at FivePrime Therapeutics. Dr. Wu is a leading figure in assay development and screening in biopharmaceutical discovery using primary cell assay and the author of an acclaimed review in this subject.