

图书基本信息

书名：<<新型纳米金蛋白质定位微试管芯片和计算与信号转导>>

13位ISBN编号：9787302178309

10位ISBN编号：7302178305

出版时间：2008-9

出版时间：清华大学出版社

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页数：135

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## <<新型纳米金蛋白质定位微试管芯片和计算与>>

### 内容概要

《新型纳米金蛋白质定位微试管芯片和计算与信号转导》作者原创一种新型纳米金微芯片，并整合细胞核和细胞质蛋白的纯化结果和生物计算技术（如DB索引算法，由距离矩阵、色彩相似性等决定聚类边界），通过分子标注和击打次数，建立细胞信号转导模型。该系统具有高特异性、高敏感性、高重复性、高稳定性、高信号性、样本检测量大、简便性、安全性、多参数实时定量的特点，通过计算后可建立分子机制网络。

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《新型纳米金蛋白质定位微试管芯片和计算与信号转导》 is intended for researchers in the fields of medicine, biology, electronics, pharmacy, computer science and mathematics. Lin Wang is an associate professor at the Biomedical Engineering Center, Beijing University of Posts and Telecommunications.

New Antibody Microarray Tube for Cellular Localization and Signaling Pathways describes a new integrated protein biochip system including protein localization, biocomputing and signaling pathways. In the postgenome era, proteomics study for direct analysis of a group of proteins becomes more and more important. Identification of its location often provides crucial information for understanding the function or regulation of a given protein in biological pathways. The book discusses a new microarray tube with incorporation of nuclear and cytoplasmic protein purification and biocomputing technologies, intended for setting up signaling pathways and making new discoveries.

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