Challenges in Analytical Science in the Postgenome Era

M-15

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Analytical science has contributed to the public welfare in many fields, such as drug development, inspection of drug efficacy, or control of public health. These contributions will continue. The decoding of the human genome has been completed, and the next targets are functional proteins that are expressed based on the genome or transcriptional regulators. The determination of these new targets requires high-performance analytical techniques.

The main topic of this mini symposium is a high-performance analytical technique based on molecular recognition, that is 1) specific and efficient molecular recognition of analytes, and 2) designed separation using multidimensional methods.

Recent progress will be introduced by leading researchers in universities, research institutes, pharmaceutical company, and venture business.