

Microfabricated Devices for Chemical and Biochemical Analysis

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The notion of microfabricating fluidic devices to perform chemical separations is now well over a decade old. The technology has transitioned from the embryonic stage of academic research to commercial development and implementation as products to address the needs of discovery research. The early work on microfabricated fluidic devices was focused on implementation of chemical separations procedures. The success of these early experiments lead to a much broader view of the Lab-on-a-Chip rather than just a miniaturized separation platform. We have also applied similar fundamental principles to reducing the size of mass spectrometers. This presentation will provide an overview of our latest activities in these areas.

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