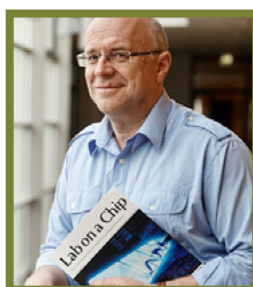




INTERNATIONAL
SOLVAY
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2015 International Solvay Chair in Chemistry Inaugural Lecture

Professor Andreas Manz
(KIST Europe, Saarbrücken, Germany)



Lab on Chip - Technology - 10x smaller means 100x faster

For chemistry and the life sciences, measurement of molecular parameters is of growing importance. Particularly, the presence of a certain molecule and its amount can play a key role, for example, in deciding about medical treatment, about the outcome of a forensic investigation, or in the future of experimental research in life sciences. Since the late 1980s, my laboratory explored miniaturizing parts, or even an entire laboratory down to chip size, increasing the throughput of chemical analysis, limiting its need for large sample volumes and potentially reducing the cost for access to the molecular information. I will emphasize scaling laws and chip technology for microfluidics, provide different examples of “lab on chip” devices and discuss possible future directions.

Monday 31 August 2015 at 4.00 P.M.

COFFEE AND TEA WILL BE SERVED AT 3.45 P.M. IN FRONT OF THE SOLVAY ROOM
DRINKS AT 5.00 P.M. IN FRONT OF THE SOLVAY ROOM

SOLVAY ROOM

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