

## Microarray technology: new concepts and technologies

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Understanding of complex functional mechanisms requires global and parallel analysis of cellular processes. Microarrays are a synonym for this kind of study and, in many cases, the obvious platform to such end. They have already made important contributions, although the true potential that is inherent to the technology is far greater. I will present new processes that are aiming at analysing in a quantitative manner protein interactions with other molecules (proteomics), at combining different levels of analysis on a single platform (biomedical diagnostics) and the production of biomolecules (synthetic biology).

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