

## Translational Research & Microfluidics

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### ***From Directed evolution to Molecular diagnostics.***

Our aim is to develop and use droplet-based microfluidic system to perform experiments that are out of the possibilities of existing technologies. We develop new tools, procedures and strategies for Cancer Research with three major focuses:

- (i) Creating new generations of devices for the non-invasive detection of Cancer biomarkers with applications in personalized medicine, cancer recurrence detection and cancer diagnostics.
- (ii) Highlighting of new Cancer biomarkers.
- (iii) Developing whole platforms for toxicological analysis of chemical and drugs.