

## EDIAG PLATFORM

Molecular analysis of nucleic acids.  
Highly sensitive and quantitative analysis of biomarkers.

### SCIENTIFIC EXPERTISE

- Collection, preparation and genomic analysis of biological samples
- Rare biomarkers quantitative detection
- Biomarker discovery
- Micro-compartmentation based digital PCR, ultra-deep NGS approaches
- Cancerology and toxicology

### APPLICATIONS

- Personalized medicine approach applications
- New diagnostic development
- Characterization of variant subclasses

### TRACK RECORD

- Hopital Ambroise Paré, AP-HP
- Hopital Trousseau, AP-HP
- ICM (Institut du Cerveau et de la Moelle Epinière)

### PUBLICATIONS

Pietrasz et al. *Clinical Cancer Research* (2017), 23(1):116-123.

Pécuchet et al. *PLoS medicine* (2016), 13(12):e1002199.

Garrigou, et al. *Clinical chemistry* (2016): clinchem-2015.

### CONTACT

Mail : [bd-services@idfinnov.com](mailto:bd-services@idfinnov.com)

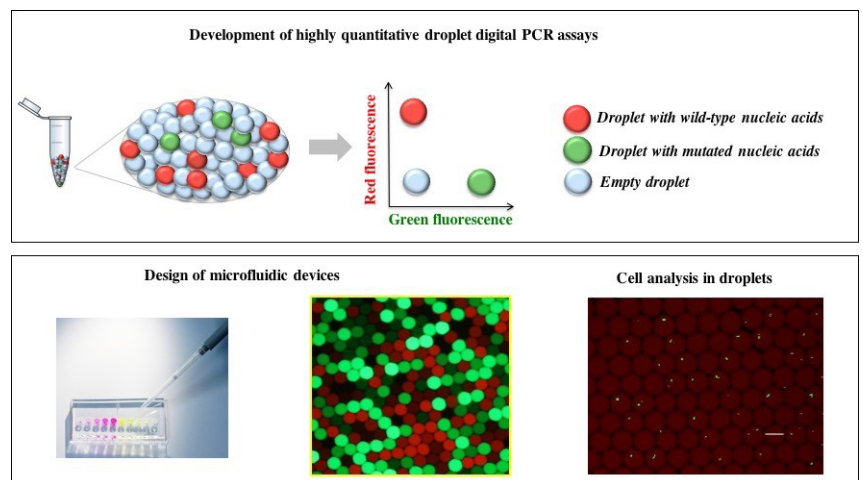
Phone : +33(0)1.80.05.65.01

- Cancer ■ Digital PCR ■ Biomarkers ■ Personalized medicine ■ NGS ■  
Liquid biopsy ■ Microfluidics ■ Circulating nucleic acids

### SERVICE DESCRIPTION

The Platform develops and uses droplet-based microfluidic system to perform experiments that are out of the possibilities of existing technologies. Based upon new tools, procedures and strategies for cancer research, the platform has four major focuses :

- 1 – Preparation and qualification of biological samples
- 2 – Development of tests / assistance in the implementation of sample analysis strategies
- 3 – Analysis of biological samples
- 4 – Design and optimization of new microfluidic devices



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### OFFERS

- Sample treatment, qualification and testing from tissues (FFPE or frozen) or biological fluids (extraction, dosage, quantitative and/or qualitative nucleic analysis, etc)
- Biomarkers identification, diagnosis tests development and intellectual support for definition of digital PCR and/or NGS based diagnosis strategies
- Set-up of collaborative microfluidics projects in cancerology or toxicology