

« SÉMINAIRE NATIONAL IMAGERIE OPTIQUE *IN VIVO* »

17 & 18 SEPTEMBRE 2015 – AVIESAN (PARIS)

APPEL À MANIFESTATION D'INTÉRÊT
OFFRE DE SERVICES

medicen | innovation
PARIS REGION | for
health

FLi
France Life Imaging

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MAIRIE DE PARIS

ile de France



seine saint denis
LE DÉPARTEMENT



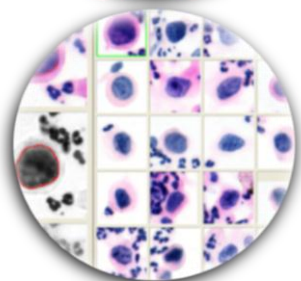
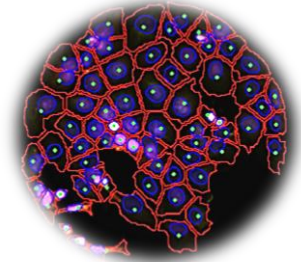
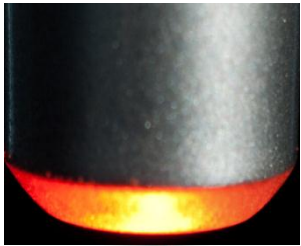
AGENCE NATIONALE DE LA RECHERCHE
ANR

bpi france



LES PÔLES DE COMPÉTITIVITÉ
MOTEURS DE CROISSANCE ET D'EMPLOI

Quantitative Cellular Imaging Solutions for Biomarkers Identification and validation in Research and Cytology-HistoPathology



IMSTAR in brief

Mission: IMSTAR, an innovative SME, spin-off of the French CEA Life Sciences, designed, developed and markets its proprietary **Pathfinder™ ICS**, a versatile Scanner-Analyzer instrument for biomarkers quantification in Cytology & Histology-Pathology for automated, accurate, large scale *in vitro* morphology/phenotype characterization.

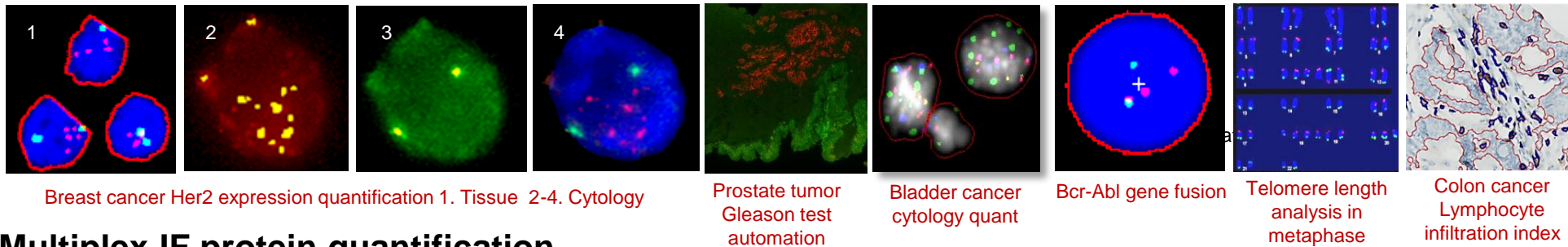
Technology – Know-How: The innovative Pathfinder™ ICS platform provides

- **Cost effective High-Content Analysis (HCA)** for abnormal/rare cells detection and biomarkers identification & validation applied to diagnostic, prediction and personalized therapeutic choice.
- **High-performance, up-scalable and distributed image /data analysis** for automated and reliable scoring, “review and validation” of cells selected by modeling algorithms leading to high sensitivity/specificity tests interpretation.
- **Cellular biomarkers** proven track record : proliferation, differentiation, apoptosis, Her2, growth factors, hormone receptors, H2AX, adhesion, multiple protein analysis, signaling pathways, **CTC** and DNA damage & repair, using Customized Scientific Protocols designed to fit every marker’s assessment.
- Pipeline of innovative tools for companion test in Oncology preclinical studies.
- Set-up and service of ~800 Pathfinder™ ICS and stand-alone software world wide.

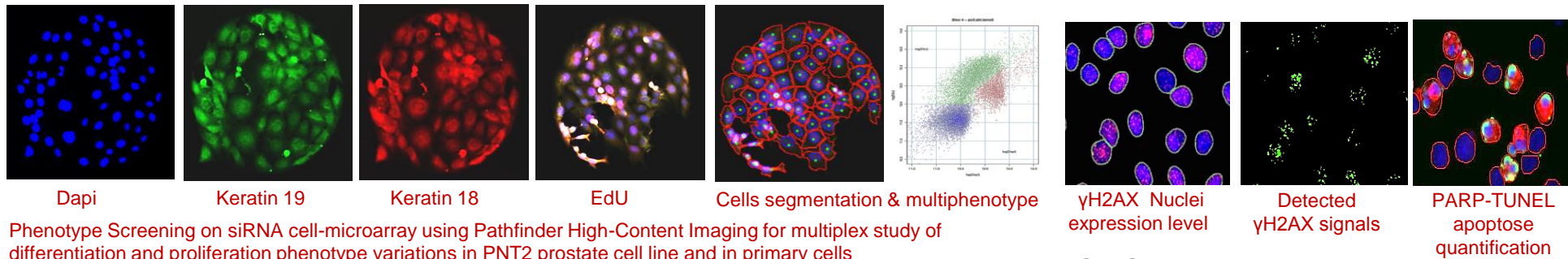
Quantitative Cellular Imaging Solutions for Biomarkers Identification and validation in Research and Cyto-Pathology

IMSTAR offers a large Library of Scientifically Validated Customized Software Protocols adapted to a variety of assays and companion tests with unmatched workflow improvement (min10-fold)

FISH & IHC analysis



Multiplex IF protein quantification

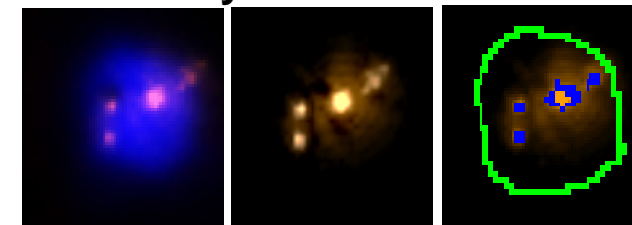


Pathfinder Image Cytometry PF for Biomarker characterization

Some features

- Distributed Image-Data analysis: the ICS "Cloud" platform for complex algorithms at large scale
- Integrated Image Database Processing & Management (patented)
- Compliant with OECD GL, CE mark for MD IVD, GLP

CTC analysis



Lung cancer : CTC automated detection and classification using specific FISH probe

Offer: Partnering for Innovation

Alliances and long term partnerships

- Software Out-Licensing. Co-development of customized test for personalized medicine.
- Business Alliance.

Partnerships & Customers

IMSTAR range of products has been validated through collaborative R&D consortia: 7 EC FP5-7 and Eureka ITEA2 public-private R&D consortia (Safe, Toxdrop, Comics, NewGeneris, HiPiP, Medusa...) and French consortia (NanoCTC, ExpeVivo-CTC).



IMSTAR Contact

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