TECHNOLOGIES OFFERS
BIOTECHNOLOGY MEDICAL IMAGING

Keys for technological leadership
NEW TREATMENT FOR HEPCIDINE-DEFICIENT RELATED IRON OVERLOAD

New treatment which increases hepcidin expression based on a molecule already used in clinical routine for other indications.

- Non invasive treatment
- Oral route
- Possibility to get Orphan Drug status
- Easier access to market

THERANOSTIC BIOMARKET FOR METASTASIC MELANOMA

Antibody in combination or alone to avoid tumor cell dissemination.

- Rapid patient care (aggressiveness melanoma)
- Easy to target: membrane localization of TRPV2
- Less side-effect expected
- No toxicity \textit{in vivo}

NEW TOOL TO DEMONSTRATE VHL GENES PRODUCTS FUNCTIONS

Monoclonal antibody able to diagnostic ccRCC aggressiveness.

- Detection in cells from patients
- Detection in IHC
- Detection in IF
- Clinical routine
HIGH THROUGHPUT SCREENING DEVICE IN IMMUNOHISTOCHEMISTRY FIELD

A new device avoiding multiple manipulations, meanwhile allowing performant characterization step.

- Reduced cost
- Less reagents
- Less manipulations
- Process could be automatized

ANTI-CANCER DRUG: ASSOCIATION OF IRON CHELATOR AND POLYAMINE

Antiproliferative activity similar to cisplatin with less side effects.

- Lower dose of chemotherapy
- Less side-effect
- Easy to produce
- No toxicity

GLIOBLASTOMA PROGNOSTIC MARKERS

Use of methylation status of 3 promoters to classify stupp treatment response.

- Better patient strafication (nomogram)
- Higher sensitivity (compared to MGMT test)
- Clinical routine (FFPE samples)
- Cost reduction

NEW TAILORED MEDICINE IN METASTASIC MELANOMA

The solution consists in restoring the activity of this «natural» brake avoiding miRNA sequestration using Target Site Blockers (TSB, 16 modified nucleotides single strand).

- Lower dose of chemotherapy
- Combination with targeted and immune checkpoint therapies possible
- Independent of BRAF / NRAS mutations
- Natural mechanism - low resistance expected
- No side effect in vivo

DEPIGMENTARY EFFECT OF LICHEN COMPOUNDS

This technology regulates pigmentation and it is can be dedicated to health market (Melasma, Vitiligo).

- Natural derivative
- Better activity than hydroquinone
- No toxicity
- IC 50 = 1 microM
- Chemical synthesis of the compound: 7 steps (3 weeks)
- Possible biotechnological production

TREATMENT FOR MRSA AND VISA TRAINS THANKS TO PSEUDOPEPTIDES

A toxic peptide which have been chemically modified, allowing bacterial death while avoiding hemolytic activity against human cells and have increased considerably their half-lifes in human sera.

- Natural mechanism
- Reduce production cost
- Membrane location and action, expecting low resistance levels
- Therapeutic Index up to 200
**F2COR : FAST CORRELATION ALGORITHM FOR FLUORESCENCE CORRELATION SPECTROSCOPY (FCS)**

Software-based method to calculate the autocorrelation function of the photon beam coming from a confocal microscope during FCS measurements. Used to analyze the size and concentration of particles in biochemical research, biophysics, and chemistry.

- Faster calculation time
- Deals with high intensity incident beam (up 8.10^6 photons/s)
- Allows non-stationary system evaluation

**VARIANT DX : THERANOSTIC VARIANTS DETECTING**

This software has been developed to detect theranostic variants during molecular diagnosis of tumor samples through NGS. It is able to detect SNPs and INDELs mutations.

- Somatic analysis from FFPE sample available
- Decrease the risk of mistake in diagnosis (false variant occurrence)
- Higher coverage of sequences

TechnoMarket®’s ambition is to turn into a reference meeting for companies. This event allows them to notice new technologies which provide them success.

TechnoMarket® designed as a real market place, present to industries the most innovative technologies coming from public research laboratories. With high added value, all this technologies are validated and protected. TechnoMarket® initiates collaborations and favours techtransfer between academic environment and industrial sector.

**It’s work toward companies’ competitiveness !**

**Save the date : TechnoMarket Life Sciences • 30 November 2016 • Lille**

**LA MAP DE TECHNOLOGIES by Ouest Valorisation**

Ouest Valorisation proposes a web interactive portfolio of technologies offers.

With more than 180 qualified offers (patented, and ready to transfer), this tool helps companies to access available innovations from western france laboratories (Bretagne & Pays de la Loire).
Ouest Valorisation - Technology Transfer Office (TTO) was created in the «Future Investments» project call managed by Ministry of Higher Education and Research.

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Its aim is to propose to companies attractive innovation means from public research. Ouest Valorisation’s team simplifies the access of the companies to research laboratories in order to develop good collaborative projects or get access high professional skills and high level scientific equipment.

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