



Projet FET Open

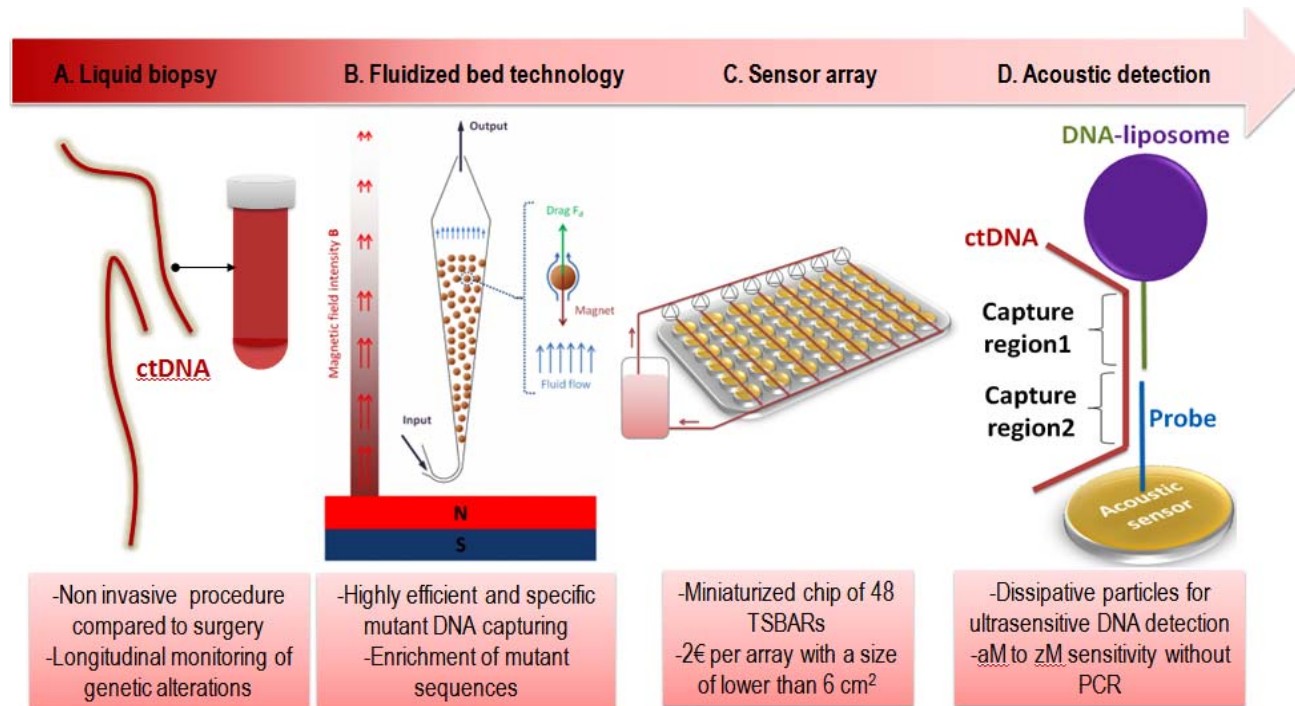
Stéphanie Descroix
UMR 168 Institut Curie
Institut Pierre Gilles de Gennes



CATCH U DNA

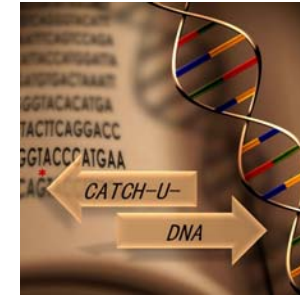


CATCH-U-DNA project aims to replace the labor-intensive, occasionally biased and costly PCR method with a simple non-PCR DNA quantification method by exploiting, for the first time, hydrodynamic properties of DNA chains. It is a novel sensing concept that uses acoustic wave sensors.





CATCH U DNA

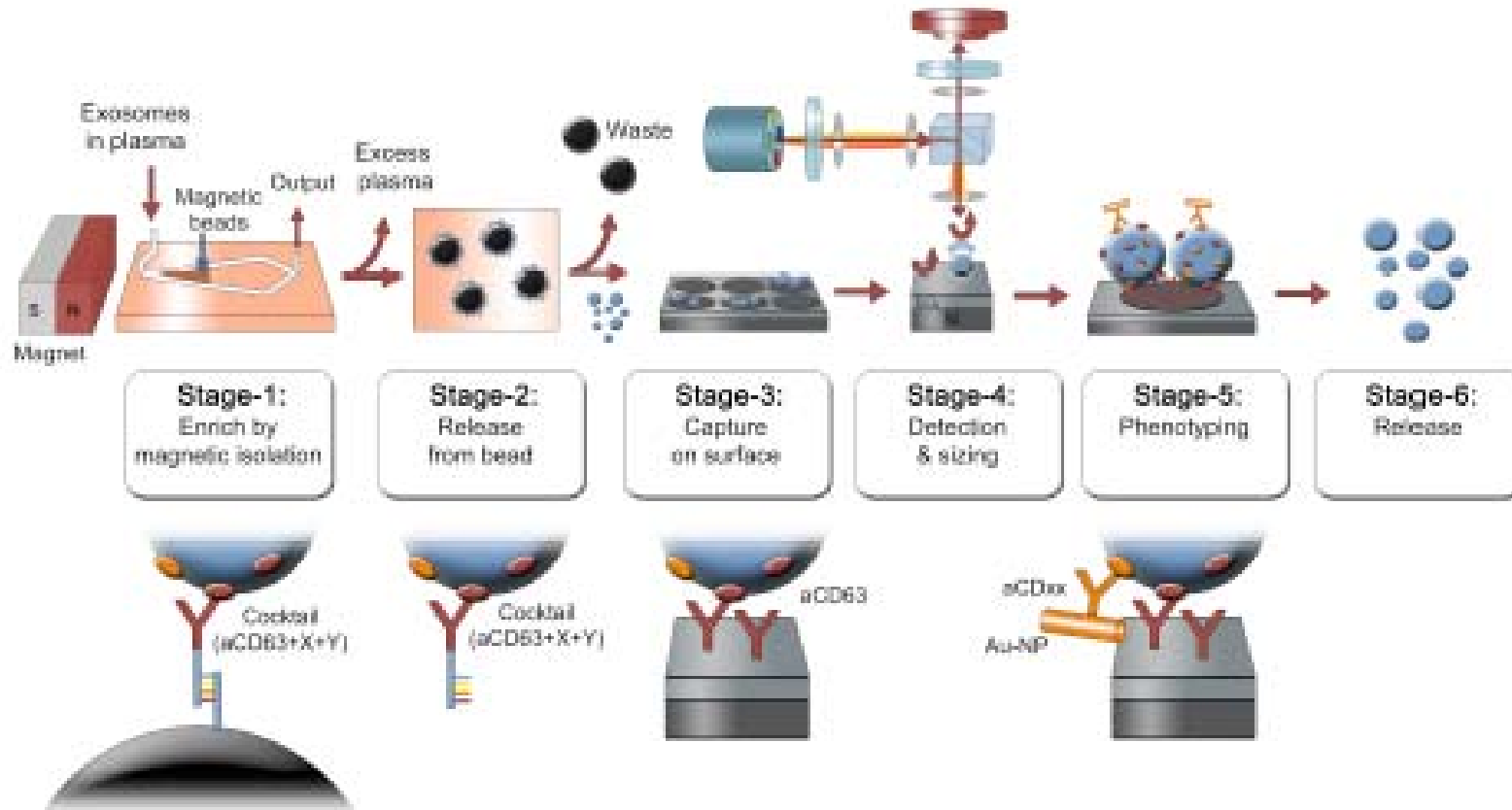




INDEX



The aim of Project INDEX is to isolate and characterize exosomes available in bodily fluids through development and integration of novel technological breakthroughs and accelerate the transition of exosome-based research and scientific discoveries to real clinical utility. INDEX is funded in the framework of H2020 FET-OPEN programs and started October 2017.





INDEX



- Consiglio Nazionale delle Ricerche : Coordinator
- The Trustees of Boston University
- Institut Curie
- Region Nordjylland - Clinics
- Fluigent - Company
- Hansabiomed Life Sciences - Company



MYOCHIP



MyoChip

Building a 3D innervated
and irrigated muscle
on a chip

The aim of the MyoChip project is to build a 3D human skeletal muscle irrigated by vasculature and innervated by neurons. The reconstituted 3D muscle will mirror the architecture and function found in vivo, namely in shape, contractility and microenvironment, while irrigation by a vascular network and innervation by human motor neurons will bring additional physiologic pertinence to it.

Instituto de Medicina Molecular João Lobo Antunes
Institut Curie
The University Of Edinburgh
Fluigent



Montage de projet

★ INDEX: consultant

CATCH U

MYOCHIP

- Pour 2 d'entre eux : coordinateur étaient des anciens partenaires ou coordinateurs de projets européens dans lesquels l'équipe a été impliquée.

- Quelles difficultés avez-vous rencontrées ?

Problématique des partenaires anglais ?



- Breakthrough scientific and technological target : identifier un challenge technologique/scientifique et apprécier la prise de risque et le caractère de rupture du projet
- Long-term vision : Fundamental research/applicability et développement de technos versatiles
- Novelty and Foundational : basée sur plusieurs technos innovantes
- High-risk
- Interdisciplinary



Quelles recommandations/bonnes pratiques pour les candidats au futurs appels FET Open ?

- Construction d'un consortium équilibré et complémentaire
- Face to face meeting
- Tenacité/persévérance
- Timing/maturer le projet