

The logo for the 3D HUB PLATFORM. The text '3D' is in a large, bold, white sans-serif font. Below it, 'HUB' and 'PLATFORM' are stacked in a smaller, bold, white sans-serif font. The text is centered within a circular area of glowing dots that transition from blue to orange.

An organoids and spheroids
screening platform
for therapeutic discoveries
in cancer research

3D-Hub: An organoids and spheroids platform for therapeutic discoveries in cancer research



canceropôle
Provence-Alpes-Côte d'Azur

le propulseur régional des recherches
et innovations anticancéres

IBISA Infrastructures
en Biologie
Santé et
Agronomie



CRCM

Centre de Recherche
en Cancérologie de Marseille

Géraldine GUASCH
CRCM, Inserm U1068
MARSEILLE



Cédric GAGGIOLI
IRCAN, Inserm U1081
NICE

UNIVERSITÉ CÔTE D'AZUR

Aix-Marseille
université
Initiative d'excellence



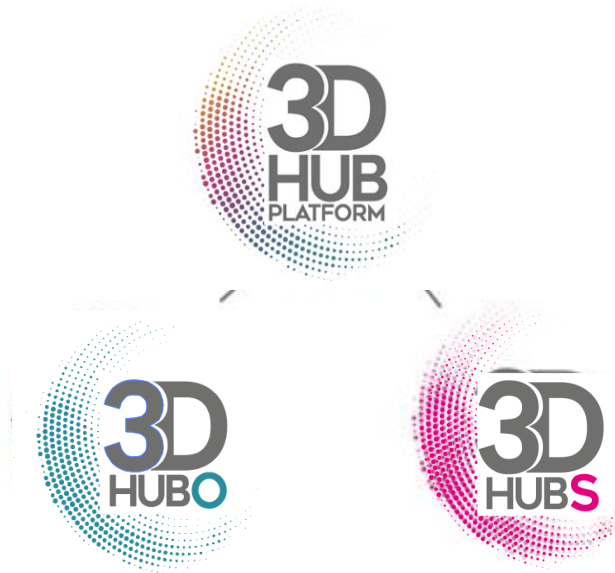


Services proposed

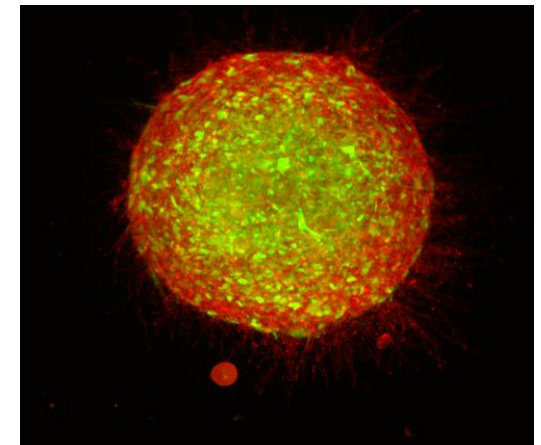
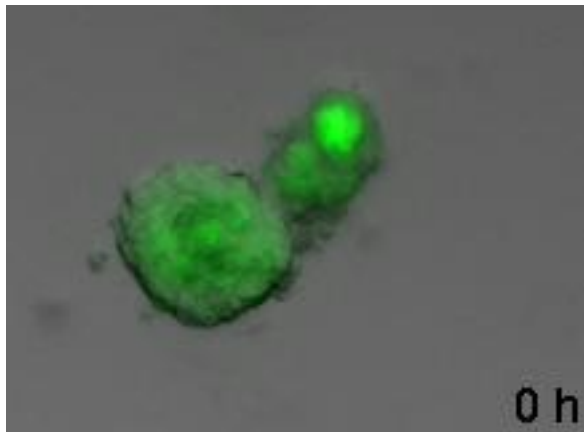


An organoids and spheroids platform for therapeutic discoveries in cancer research

- Organoids culture from normal and tumoral tissues
- Organoids genetic modifications
- Organoids chemical sensitivity
- Training, lectures and courses



- Anti-cancer screening on spheroids and tumoroids
- Development of synthetic tumors in vitro
- Drugs test for personalized medicine
- Training, lectures and courses

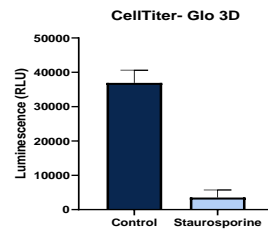
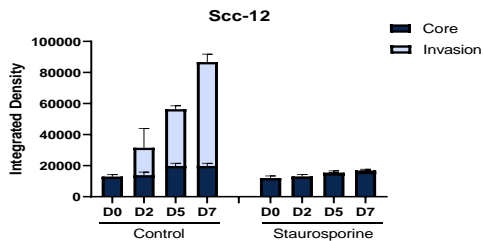
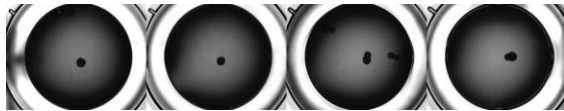




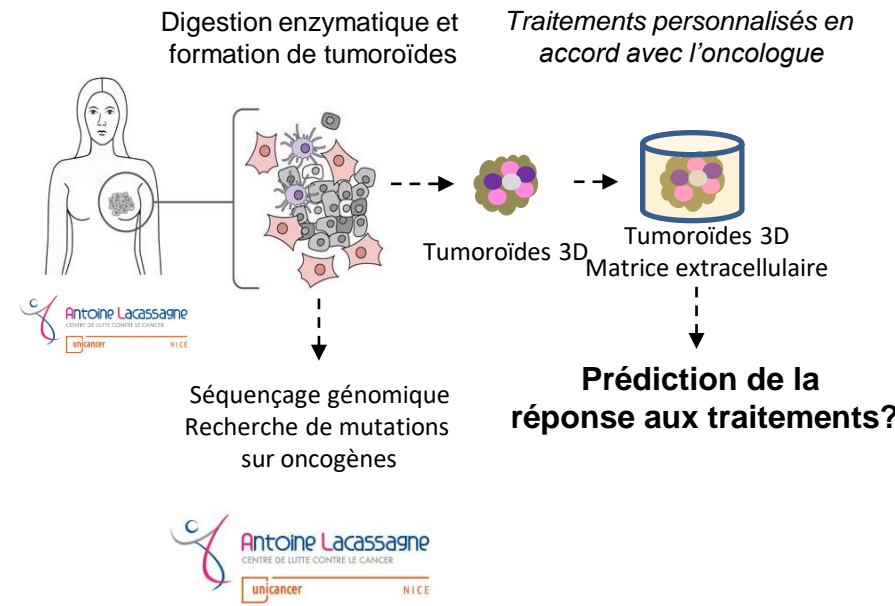
3D-Hub-S: Services proposed



Culture de sphéroïdes 3D uni- et/ou multicellulaire dans une matrice extracellulaire pour la recherche en cancérologie



Culture de tumorôides 3D issus d'exérèses chirurgicales pour le développement de solution en médecine personnalisée





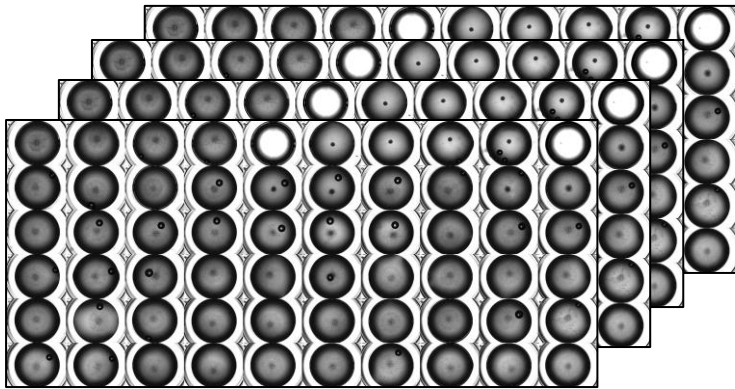
3D-Hub-S: CNE screening to identify inhibitors of liposarcoma growth and invasion



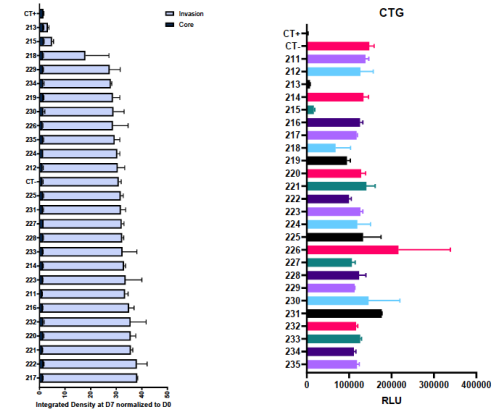
canceropôle
Provence-Alpes-Côte d'Azur

le propulseur régional des recherches
et innovations anticancers

65 plaques



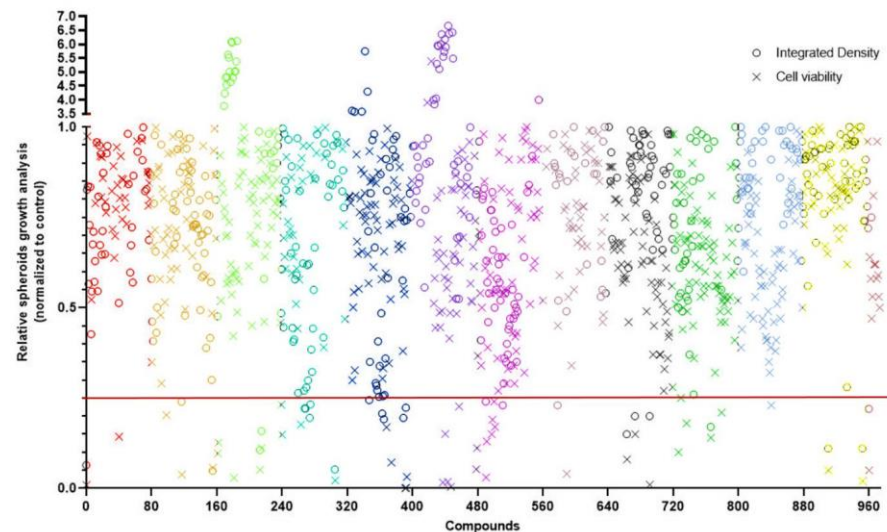
imageJ quantification
&
biochemistry analysis



Screening CNE ; 1040 compounds

14 hits selected for (80% inh.) ;

- validation
- analysis
- mecanism





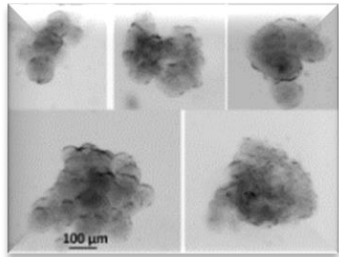
3D-Hub-O: Services proposed



canceropôle
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le propulseur régional des recherches
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Culture (L2)

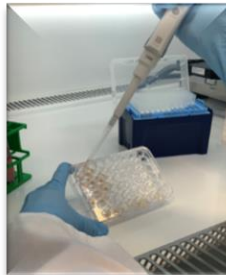
Culture media



Defining the best culture condition

Organoids

Production /Expansion



Advice Training

Biobanking

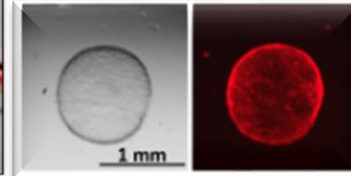
Cryopreservation Drug testing



Reproducibility

Manipulation

Lentiviral infection



Electroporation



Specificity: Gastro-intestinal tissues,
Human and mouse breast/mammary gland...Lung in development

➤ In complementarity with Lille and Caen platforms



Equipments and staff

Scientific direction



Dr. Géraldine Guasch

Technical direction

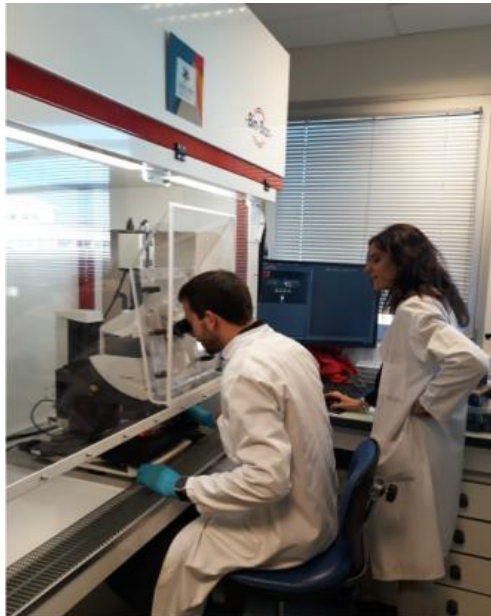


Dr. Véronique Chevrier

Staff



Manon Saubin, IE



**Hotte stérile
Stéréomicroscope
motorisé Leica**



**Microscope motorisé
Evos M7000 + logiciel CELESTE**



Incubateur



Electroporateur Sonidel



Equipments and staff

Scientific direction



Dr. Gaggioli Cédric,
PhD, D.R.2 Inserm

Technical direction



Dr. Bourget Isabelle,
I.E. Inserm



Mme Lecorgne Enora
2019 - 2022

Staff



Mr Odet Quentin



Salle culture L2



Thermo Fisher
Microscope
motorisé à
épifluorescence
4 couleurs
Evos M7000



Dell
Ordinateur
d'analyse
(ImageJ)



How to access 3D-Hub



3D-Hub First contact

- First discussion with scientific directors
- Access form for the Canceropôle
- Validation by the CoPil

Proof of concept

- Culture / Proof of concept
- 2nd discussion with 3D-Hub
- Establishment of a budget
- Signature of the charte

Project completion

- 3D culture
- Analysis of the results and written report
- Oral presentation of the results
 - Billing

Potential follow-up with 3D-Hub



- Confirmation of the results
- More screening/ Organ
- Formations / transfert de technologies



Access to ressources

CRB
Pr. Chabannon

