In connection with different technical platforms of TBMcore, we provide great expertise in gene transfer and viral vectors to fulfill the researchers' requests

FACSility

VoxCell

OneCell

OncoProt

HISTOPATHOLOGIE

CELLOXIA

CRISPR edit

UB'L3

Vivoptic

SAM

CONTACT US

Manager Véronique Guyonnet-Dupérat
05 57 57 16 02

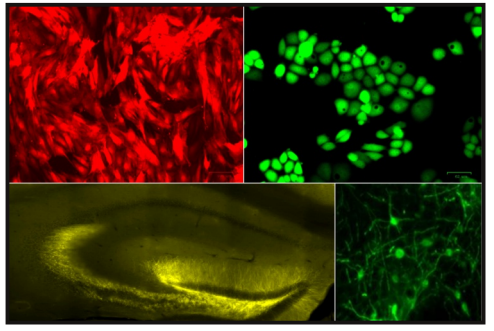
vectub@u-bordeaux.fr
https://www.tbmcore.u-bordeaux.fr/vectorologie/

Université de Bordeaux, Bât TP, 4ème étage
146 rue Léo Saignat (BP10)
33076 Bordeaux

Vect'UB

Core Facility

Viral vectors production for gene transfert



TBMCore

CNRS UMS 3427 - INSERM US005

cnrs Inserm La science pour la santé From science to health université de BORDEAUX

Prestations

What do you want ?

- ***Express a wild or mutant protein***
- ***Track cells in vivo by staining***
- ***Inhibit gene expression***

Vect'UB proposes tools in gene transfer

PROPOSED SERVICES

- **Advice and assistance for gene transfer**
- **Construction of recombinant vectors**
- **Plasmid amplification (Maxiprep)**
- **Production of defective lentiviral particles**
- **Production of AAV particles**
- **Production of gRetroviral particles**
- **Purification of Adenovirus**
- **Titration (Facs, qPCR, p24)**
- **Generation of stable cell lines**
  - Gene overexpression in cell lines
  - KI or KO cell lines (shRNA or CRISPR)
  - Cell immortalization

PERSONNEL

Scientific Director : F. Moreau-Gaudry

Technical Support : V. Guyonnet-Dupérat, J. Cattiaux, A. Bibeyran, Q. Simounet

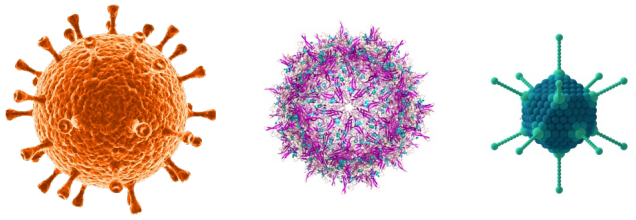
SECURITY & TRACEABILITY

- Viral batches are guaranteed mycoplasm free
- Efficient traceability of viral batches
- Containment in agreement with OGM requirement : Biosafety level (L2,L3)

STRENGTHS

- Over 20 years of expertise in lentiviral vectors
- Large choice of lentiviral vectors
- Several AAV serotypes available
- Development of innovative tools

Platform open to all academic labs in France

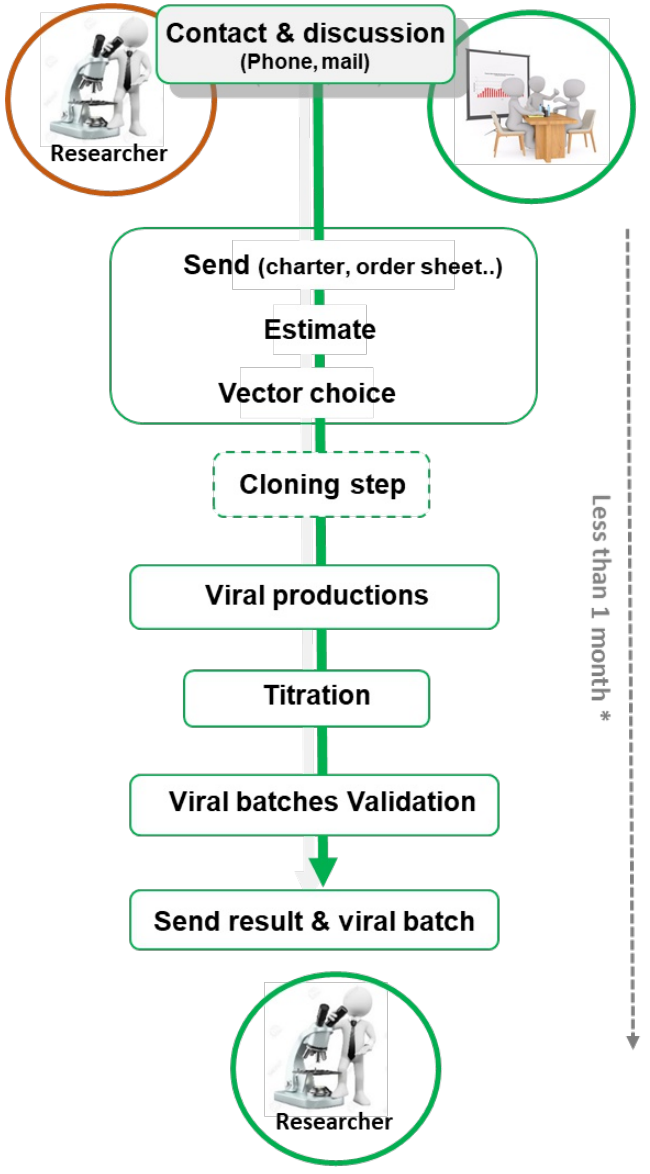


Lentivirus Adénovirus AAV

LAST PUBLISHED STUDIES

- *In Silico, In Vitro and In Cellulo Models for Monitoring SARS-CoV-2 Spike/Human ACE2 Complex, Viral Entry and Cell Fusion.* ***Viruses. 2021*** Lapaillerie et al.
- *CRISPR-Cas9 globin editing can induce megabase-scale copy-neutral losses of heterozygosity in hematopoietic cells.* **Nat Commun. 2021** Boutin et al.
- *Targeting the mitochondrial trifunctional protein restrains tumor growth in oxidative lung carcinomas.* ***J Clin Invest. 2021*** *Amoedo et al.*

Timeline



* For classical production