



Mervé YETIM

PhD Student - Life and Health Sciences Neurosciences

INSERM U1237 PhIND, tPA and Neurovascular Disorders



05 / 11 / 1994

Contact :



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Driving License
Personal vehicle

Languages:



French



English



Turkish

Strengths:

Dedicated
Curious
Rigorous
Autodidact
Hard working

Reference :

Denis Vivien

Pr. of Cell Biology Hospital Practitioner (PhD, PU-PH)
Dir. Blood and Brain @ Caen-Normandy Institute (BB@C)
Dir. INSERM UMRS U1237 PhIND
Resp. CRB, InnoBIO, Caen Normandy University Hospital (Caen - CHU)
Scientific Advisor guichet Innovations and Partnerships (Caen - CHU)

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Education and Work Experience

PhD Student - Life and Health Sciences

October 2018 - Present | INSERM U1237 PhIND, team tPA and Neurovascular Disorders. Normandy University

Project : Neurovascular functions of tissue Plasminogen Activator (tPA)
Supervisor : Denis Vivien (PhD, PU-PH)
Fundings : Norman interest networks & INSERM FRANCE

Master degree - Biology - Health - Research in Neurosciences and Molecular and Cellular Biology

2017 - 2018 | INSERM U1237 PhIND, team tPA and Neurovascular Disorders. Normandy University

Project : Study of mechanisms and liberation of tissue Plasminogen Activator (tPA) on endothelial cells in case of neurovascular coupling
Supervisor : Denis Vivien (PhD, PU-PH)

1st year of Master degree - Biology - Health - Research in Neurosciences and Molecular and Cellular Biology

2016 - 2017 | INSERM U1237 PhIND, team tPA and Neurovascular Disorders. Normandy University

Project : Interactions between neurovascular coupling and glymphatic system in mouse barrel cortex
Supervisor : Denis Vivien (PhD, PU-PH)

Bachelor in Biology

2015 - 2016 | INSERM U919 SP2U. Normandy University

Publications

- 2021** "Targeting endothelial / hepatocytic vascular release of tPA to modulate neurovascular coupling." - Yetim *et al.*, 2021. In submission process.
- 2021** "Megalencephalic leukoencephalopathy with subcortical cysts is an astrocyte disease of the neurovascular unit" - Gilbert, Yetim *et al.*, 2021. In submission process.
- 2021** "Exogenous microparticles bearing tissue factor improve outcome after collagenase induced intracranial hemorrhage" - Potzeha, Yetim *et al.*, 2021. In submission process.
- 2020** "Early Ultrafast Ultrasound Imaging of Cerebral Perfusion correlates with Ischemic Stroke outcomes and responses to treatment in Mice." - Hingot, Brodin, Lebrun, Heiles, Chagnot, Yetim *et al.*, 2020. Theranostics, doi: 10.7150/thno.44233.
- 2020** "Circulating tPA contributes to neurovascular coupling by a mechanism involving the endothelial NMDA receptors." - Anfray, Drieu, Hingot, Hommet, Yetim *et al.*, 2020. J Cereb Blood Flow Metab, doi: 10.1177/0271678X19883599.



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Scientific communication

2019

EdNBISE Congress, 22th-23th of March 2019, Caen, France. "The neurovascular role of Tissue plasminogen activator". - [Yetim](#), Vivien.

Areas of expertise

Animal Experimentation : rodent

2019 : University Certification: Animal experimentation level 1 (University of Caen)
Intubation and ventilation
Arterial pressure monitoring with catheterization
Physiologic monitoring (blood gases, ECG, SpO2)
Catheterization of caudal vein, femoral vein/artery and carotid artery
Surgical approaches : hepatectomy, thromboembolic model, TIA model
Hydrodynamic transfusions
Stereotaxic injections
Intracardiac perfusion
Blood sample collection
Tissue collection

Imaging techniques

Magnetic Resonance Imaging
Ultrafast Ultrasound Imaging
Laser speckle contrast imager
Two photon microscopy
Fluorescence microscopy

Molecular biology

PCR
ELISA
Fibrin agar zymography

Behavioral test

Grip test

Histology

Cryostat
Immunohistochemistry

Softwares

Image analysis (ImageJ/Fiji), MatLAB, MoorFLPI-2 Review
GIMP
Microsoft Office
GraphPad Prism
Statistica

Interests

Gaming

Astronomy

Music