



Charlotte Lechevallier

PhD Student – Life and Health Sciences
Neurosciences

INSERM U1237 Phind, tPA and Neurovascular

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🏠 Caen – France

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EDUCATION AND EXPERIENCES

Oct 2021
-
Present

PhD Student – Life and Health Sciences, University of Caen Normandie.

INSERM U1237. PhIND/team *tPA and Neurovascular Disorders*, CAEN.

Project : *Involvement of tissue-type plasminogen activator on microglial cells in the neuroinflammatory process associated with stroke and aging.*

Fundings : 100% Normandie Region.

Supervisor : Dr Benoît Roussel.

2020
-
2021

Master degree – Biology – Health – Research in Neurosciences and Molecular and Cellular, University of Caen Normandie.

Study of the translocation of chaperone proteins of the endoplasmic reticulum in the case of a proteostasis disorder in a PC12 cell line.

Laboratory : INSERM U1237. PhIND/team *tPA and Neurovascular Disorders*, CAEN.

Supervisor : Dr Benoît Roussel.

2019
-
2020

1st year of Master degree – Biology – Health – Research in Neurosciences and Molecular and Cellular, University of Caen Normandie.

Bibliographical study of the involvement of GRP78 and endoplasmic reticulum stress in a context of cerebral ischemia.

Laboratory : INSERM U1237. PhIND/team *tPA and Neurovascular Disorders*, CAEN.

Supervisor : Dr Benoît Roussel.

2018
-
2019

Bachelor degree – Biology – Health, University of Caen Normandie.

Internship laboratory : *Study of GRP78 in condition of ER stress in PC12.*

Laboratory : INSERM U1237. PhIND/team *tPA and Neurovascular Disorders*, CAEN.

Supervisor : Dr Benoît Roussel.

OTHER EXPERIENCES

2018
-
2020

President and developer of the UFR des Sciences tutoring, University of Caen Normandie.

Serpervision of 1st year Bachelor students



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PUBLICATIONS

2021

“Thrombolysis by tPA increases serum free IGF-1 leading to decrease of deleterious autophagy following brain ischemia”

Thibeaut, Buendia, Ginet, Lemarchant, Boudjadja, Rubio, Hommet, Lebouvier, Lechevallier, et al., Vivien, Roussel. 2021, *Autophagy*, <https://doi.org/10.1080/15548627.2021.1973339>

SCIENTIFIC COMMUNICATION

2019

“Modulation of neuronal autophagy by tissue-type plasminogen activator during ischemic events” Thibeaut, Hedou, Lechevallier, Hommet, Lebouvier, Déglon, Vivien, Roussel. 2019, Gordon Research Conference on Molecular and Cellular Neurobiology, Los Angeles

LAB SKILLS

Molecular biology : Protein purification, Western Blotting, Pull-down avidin.

Cellular biology : Cell lines cultures, Primary cell cultures, Lentiviral transfection, Immunocytology, Hypoxia chambers.

Imagery : Confocal imagery (SP8, LEICA), Fluorescence microscopy, live cell imaging.

Software : ImageLab, ImageJ, Prism8, Biorender, Office suite, Imaris, Methamorph, LEICA DMI8.

REFERENCES

Supervisor : Dr Benoît Roussel, PhIND/INSERM U1237, Caen Normandie, France.

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Director : Pr Denis Vivien, PhIND/INSERM U1237, Caen Normandie, France.

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