

PhD in Neuroscience OR **post-doc position** in Neuroscience
Benoit Ho-Tin-Noe, DR INSERM, Nathalie Kubis PUPH MD-PhD
UMR-S 1144 (team 4), 4 avenue de l'Observatoire 75006 Paris

Applicants **are invited for a 3 years PhD OR a 2 years post-doc position in Paris**, financed by the French ANR agency (SMARTLET) to study platelets and post-stroke brain interactions and impact on Neuroplasticity, through multiple approaches including:

1/ preclinical studies using pharmacological and genetic approaches targeting platelets activation pathways and mice stroke models to study the early and late vascular responses, cognitive outcome based on intravital microscopy, behavior, electrophysiological and immunohistochemical, RT-PCR, WB, Elisa approaches.

2/ clinical studies to

- correlate fatigue, cognitive decline and platelets growth factors quantifications in thrombopenic patients
- correlate antiplatelet therapy and cognitive outcome in post-stroke patients

Experimental work will be performed at the faculty of pharmacy in Paris, under a dual supervision by Benoit Ho-Tin-Noe (PhD, hemostasis and vascular responses to ischemia) and Nathalie Kubis (MD, PhD, neurologist, rodent stroke models and brain late remodeling in cerebral ischemia).

Collaboration with Gilles Huberfeld (MD, PHD, electrophysiologist) (Neuronal Signaling in Epilepsy & Glioma - Institut de Psychiatrie et Neurosciences de Paris - IPNPINSERM U1266 - Université Paris Cité) will be pursued for the electrophysiological aspect.

Starting date: 1st September 2024

Profile of the candidate

Student with a M2/PhD in Neuroscience and/or platelet biology, ready to develop a multidisciplinary project between experts in hemostasis/thrombosis, platelets, post stroke brain remodeling and recovery. Experience in models of stroke and/or brain physiopathology, and/or platelet biology is preferred. Legal authorizations to work with animals (mice) is highly recommended. Ability to work in a team is a key element.

Candidates should send their CV, motivation letter and if possible, letters of reference to benoit.ho-tin-noe@inserm.fr or nathalie.kubis@aphp.fr