

Denis VIVIEN

Professor of Cellular Biology - Hospital Practitioner (PhD) (Caen-Normandie University / Caen-Normandie CHU), Denis VIVIEN is director of the Inserm-Caen Normandie University unit entitled "Physiopathology and Imaging of Neurological Disorders (PhIND) (phind. fr), UMR-S U1237, hosted at the GIP Cyceron in vivo imaging center in Caen.

After studying cellular and molecular biology at the University of Rennes I and Paris XI (Orsay) (1992), Denis Vivien continued his work on Transforming Growth Factor-beta (TGF-beta) signaling, during a post-internship -doctoral in the laboratory of Prof. Joan Massagué, Sloan Kettering Cancer Center, Rockefeller Research Center, in New-York. He obtained a position as a lecturer at the University of Caen to continue his work on TGF-beta signaling in connection with the proliferation of chondrocytes. This work gradually led him to take an interest in TGF-beta signaling in the brain, to join the CNRS unit led by Prof. Eric MacKenzie, GIP Cyceron and to use this knowledge in molecular biology in the field of pathologies. neurovascular disease related to the role of TGF-beta. His work allows him to demonstrate that this cytokine protects neurons from excitotoxic death, via the astrocyte production of the type 1 plasminogen activator inhibitor (PAI-1). He then demonstrated that the tissue plasminogen activator (tPA), in addition to its well-known fibrinolytic effects (current treatment of cerebrovascular accidents), is capable of modulating glutamatergic neurotransmission of the NMDA type (Nat. Med., 2001 and 2003).). He became professor of neurosciences at the University of Caen in 2001, winner of an Avenir-Inserm program in 2005 and created his own Inserm-University of Caen unit in 2008 on the theme "tPA in the working brain". The PhIND unit now has 100 people, divided into 3 research teams. Having become an internationally recognized specialist in tPA and stroke, including MRI molecular imaging, Denis Vivien's work is the subject of high-level international publications, patents, "startups" and ongoing clinical trials. Denis Vivien became in 2016, professor of cell biology - hospital practitioner, in charge for the CHU of Caen, of the department of diagnostic and therapeutic innovations, of the Biological Resources Center (CRB-InnovaBIO) and of its analysis platform as well. that of the coordination of the Heart-Brain research axis. Denis Vivien is scientific director of the IBiSA "Experimental Stroke Research Platform" (ESRP.fr) and of the Blood and Brain Institute @ Caen-Normandie

(GIS BB @ C - Inserm / Unicaen / CHU de Caen). Denis Vivien, was president of the CNU of Neurosciences for many years, member of the Inserm specialist commission in Neurosciences, among others. He currently leads the AVC AVIESAN network project.