



LAURENT GROC

From France to Sweden



Project: **Health and neuropsychiatric disorders**

Research topic: **Medecine & Health**

Swedish Institution: **Gothenburg University**

French Institution: **CNRS/Université de Bordeaux**

Dates of mobility: **25/07/2018 to 08/08/2018**

Program: **SFVE-A (ex TOR)**



PRESENTATION

[Laurent Groc](#) is Research Director at the Interdisciplinary Institute for Neuroscience ([UMR 5297](#)) ([CNRS](#) and [Bordeaux University](#)). Moreover, he is Professor at [Sahlgrenska Akademin](#) at [Gothenburg University](#). He graduated 2002 with a PhD degree in Neuroscience at [Henry Ford Health System, Wayne State University](#) (USA) and [Université de Lyon](#).

ACTIVITIES IN SWEDEN

Laurent Groc visited Gothenburg University and Sahlgrenska Akademin and met in particular with Professor [Eric Hanse](#). The main discussion dealt with the evaluation of the scientific and translational environment to tackle a challenging project: deciphering the glutamate synapse transmission and nanoscale organization in health and neuropsychiatric disorders. They proposed to use a unique and innovative combination of electrophysiological and single molecule imaging approaches in neurons exposed to human CSF (healthy subjects and neuropsychiatric patients), as well as iPS cells derived from neuropsychiatric patients.

Thus, they paved the way to deeper collaboration, for instance through an open laboratory between Bordeaux and Gothenburg.

Laurent Groc had moreover the opportunity to give at Gothenburg University a seminar entitled "Nanoscale and dynamic organization of the glutamatergic synapse: What's up in Bordeaux?".