



RTG 2413 SynAGE - The Aging Synapse -
Molecular, Cellular and Behavioural Underpinnings of Cognitive Decline

Medical Student Thesis Project

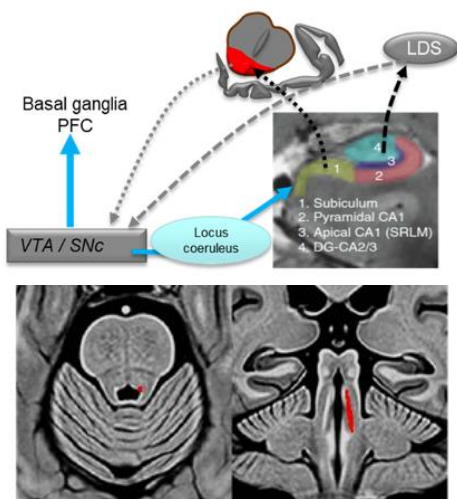
TP 12 - Effects of L-DOPA on memory consolidation in high- and low performing amyloid-negative older adults

Financial support : 964 € per month

Duration: 12 months

Start Date: 01.10.2021

We are looking for a motivated medical student to work on our project investigating the role of dopamine on long-term memory in ageing.



In our project (TP12) we use a combination of structural and functional MRI in humans to understand how memory performance is related to the integrity of the dopaminergic (SN/VTA) and noradrenergic system (LC) in older age.

We also investigate whether we can boost long-term memory performance following administration of L-DOPA and how these effects are influenced by Alzheimer's disease-related pathology.

During the year you will be actively involved with participant testing, will learn how to analyse MRI and behavioural data and will have the chance **to participate in talks, courses and conferences** as part of the SynAGE research program.

It is an excellent opportunity to get an insight into **human cognitive and brain neuroscience research** and to work in a multidisciplinary scientific research institute.

Please send your applications including a **short CV and cover letter** to Dr Matthew Betts (matthew.betts@dzne.de), Dr Dorothea Hämmerer (d.hammerer@ucl.ac.uk) or Elisa Lancini (elisa.lancini@dzne.de).

Further information on the SynAGE Research Training Group and the project can be found at <https://www.synage.de/tp12/> or using the QR code provided.

