



Department of Biosciences
University of Durham

Research Visit: 18th March 2016-19th August 2016.
Ms Amany Ladagu

9th October 2016

I am very happy to provide a report for Ms Amany Ladagu's research stay in my laboratory. The proposed research work to be carried out entitled "The Neuroprotective effect of *Curcuma domestica* extract in treating murine experimental Cerebral Malaria" could not be performed due to poorly processed paraffin blocks prepared in home country, beyond her control. The tissues in the paraffin blocks were very brittle and therefore impossible to cut. However, an alternative project was designed entitled: "**The Neuroprotective effect of *Aloysia citrodora*, a natural iron chelator, in treating chronic vanadium toxicity**" which Amany successfully completed in a timely fashion. She performed an excellent piece of work which has pushed forward our research project regarding heavy metal pharmacological effects in neurons.

This study yielded sufficient data to contribute significantly to an abstract recently submitted to the BPS Annual conference 2016 to be held in London, entitled "**CHRONIC VANADIUM NEUROTOXICITY: SYNTHETIC AND NATURAL PRODUCT IRON CHELATOR PROTECTION *IN VITRO***" S. Ohiomokhare, **A Ladagu**, J Jennings, J Olopade, PL. Chazot, which will be published in peer-reviewed online journal PA₂ (2017). The Committee for Aid and Education in Neurochemistry (CAEN) / International Society for Neurochemistry (ISN) will be dually acknowledged for their contribution to this publication. This work provided the foundations for a new grant application to the Wellcome Trust together with Professor James Olopade (Nigeria).

We would like to thank the Committee for Aid and Education in Neurochemistry (CAEN) / International Society for Neurochemistry (ISN) for the grant awarded to Amany for this work. During her visit, she was a very diligent and bright addition to the laboratory. She is a very careful and thoughtful scientist, and has produced data of a very high standard. She is an extremely affable young lady and is very keen about her research work, particularly neuroscience. She is technically very able and was a popular member of my research team. She was able and inquisitive, and worked extremely well independently and as a team player.

Overall, I unreservedly support the successful completion by Amany of this project

A handwritten signature in blue ink that reads "P Chazot".

Paul L Chazot BSc (Hons) ARCS PhD FBPharmS

Associate Director, Wolfson Research Institute for Health & Wellbeing
Senior Lecturer in Pharmacology
President, European Histamine Research Society
Vice Chair, COST Action BM0806 Histamine H4 receptors

Co-Chair, NC-IUPHAR subcommittee, Histamine pharmacology
President, North Durham Branch Parkinson's UK *Phone: +441913341305*