



<b>Project Title: Drug poisoning in Alzheimer's and Parkinson's disease</b>		<b>Code: SPS13</b>
<b>Host School / Institute:</b> <a href="#">Sydney Pharmacy School</a>	<b>Address:</b> Pharmacy and Bank Building A15, Camperdown Campus	
<b>Certificates &amp; Clearances required:</b> No		
<b>Primary Supervisor:</b> <a href="#">Dr Edwin Tan</a>		
<b>Phone:</b> 02 8627 8056	<b>Email:</b> edwin.tan@sydney.edu.au	
<b>Co-Supervisor/team:</b> <a href="#">Dr Rose Cairns</a> . Dr Cairns is a Lecturer at the School of Pharmacy, The University of Sydney. She has a clinical role as Senior Poisons Specialist (Research and Audit) at the New South Wales Poisons Information Centre, The Children's Hospital at Westmead.		
<b>Project Type:</b> Data Analysis; Literature Review		
<b>Project Category:</b> Pharmacy; Epidemiology		
<b>Skills / Attributes of a successful student:</b> Potential applicants should be proactive, inquisitive, have strong written communication skills, an ability to work as part of a team, and an interest in dementia and neurodegenerative disease. An appreciation of pharmacy/pharmacology and epidemiological methods would be an advantage.		
<b>Project Keywords:</b> Alzheimer's disease; Parkinson's disease; dementia; poisoning; epidemiology		
<b>Project Description:</b> Alzheimer's Disease (AD) and Parkinson's Disease (PD) are the two most common neurodegenerative diseases worldwide. They are leading causes of dementia, contributing to physical, psychological, social, and economical impact on patients, carers, and society.  People with AD and PD are high users of medications. However, cognitive, behavioural and functional changes that occur in this population mean they are prone to potential misuse of medications. Despite this, there is currently limited research investigating intentional and unintentional drug poisoning in this vulnerable population.  This innovative study will use New South Wales Poison Information Centre data to investigate precipitating factors, symptoms present and treatment of poisoning involving drugs used in the treatment of AD and PD.  The successful student will join a passionate team of researchers who aim to optimise medication use in people with dementia. The student will gain experience with: <ul style="list-style-type: none"><li>- Literature search, data extraction and critical review</li><li>- Data management, analysis, visualisation and interpretation of results</li><li>- Preparation of scientific manuscript(s)</li></ul> Potential applicants should be proactive, inquisitive, have strong written communication skills, an ability to work as part of a team, and an interest in dementia and neurodegenerative disease. An appreciation of pharmacy/pharmacology and epidemiological methods would be an advantage.		