Research Proposal:
A new drug to prevent the deadly effects of heart disease.

Researcher: Dr. Darren Henstridge
Laboratory: Cellular and Molecular Metabolism

THE PROBLEM
Alzheimer’s disease, a form of dementia, is a growing problem and with increasing rates of heart disease and diabetes it’s on the rise.

- Alzheimer’s disease accounts for 70% of all cases of dementia
- 1 in 10 people over 65 years and 1 in 4 people over 85 years have dementia

Alzheimer’s disease causes lapses in memory which deteriorates to the point in which those living with the disease are unable to look after themselves and need to go into 24 hour care.

There is currently no cure and dementia is the third leading cause of death in Australia and the second leading cause in women (following heart disease).

THE SOLUTION
Baker IDI’s Dr. Darren Henstridge believes that a new drug can reduce the symptoms of Alzheimer’s disease and slow down the progression of the disease.

Currently worldwide researchers are unsure of what exactly causes Alzheimer’s disease, whether it is the accumulation of amyloid plaques or neurofibrillary tangles. By increasing heat shock protein 72 (HSP72) in the body, researchers have found that both causes are decreased, potentially delaying the onset of the disease.

In an exciting new discovery, Dr. Henstridge has found that a safe, new drug currently being tested in obesity and type 2 diabetes research is able to activate the protein and hopefully prevent the deterioration of Alzheimer’s disease.

If the results prove successful, this new approach will prolong the lives of those diagnosed with the disease so they have more quality time to spend with their loved ones before Alzheimer’s takes its heartbreaking toll.

ALZHEIMER’S DISEASE, HEART DISEASE AND DIABETES: WHAT YOU NEED TO KNOW

Alzheimer’s disease can be heartbreaking. Your donation will advance important research.

WHY WE URGENTLY NEED YOUR SUPPORT

Your kind donation today will support Dr. Darren Henstridge in developing this breakthrough treatment and will make it available to patients in need.

$100 Medical Models
The combination of diseases: heart disease, diabetes and Alzheimer’s disease, makes the medical models required highly expensive.

$100 will provide a medical model for testing of the new drug.

$500 Research staff
As Dr. Henstridge is currently working on this project by himself, additional staff are desperately needed to provide him with support and assist him to complete all necessary research to go on to clinical trials.

$500 will support a researcher to assist Dr. Henstridge on a part-time basis for a week.

$1000 Critical Equipment
To share expensive equipment resources, a portion of the research is being conducted at the Melbourne Brain Centre. This means that for all testing the medical models have to be quarantined for a period of time, delaying research advances and consuming the time of Dr. Henstridge and his team.

If Baker IDI had equipment for behaviour analysis, it would allow a large portion of the testing to be completed at Baker IDI, allowing this drug to be available to patients sooner.

Donate today and enable research to ensure that people with Alzheimer’s disease don’t forget their loved ones.