

# Novel targeted degradable multifunctional poly(vinyl-co-ester) nanoparticles for Alzheimer's disease applications

<https://neurodegenerationresearch.eu/survey/novel-targeted-degradable-multifunctional-polyvinyl-co-ester-nanoparticles-for-alzheimer%c2%92s-disease-applications/>

## **Name of Fellow**

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## **Institution**

## **Funder**

NHMRC

## **Contact information of fellow**

## **Country**

Australia

## **Title of project/programme**

Novel targeted degradable multifunctional poly(vinyl-co-ester) nanoparticles for Alzheimer's disease applications

## **Source of funding information**

NHMRC

## **Total sum awarded (Euro)**

€ 403,300

## **Start date of award**

01/01/16

## **Total duration of award in years**

5.0

## **The project/programme is most relevant to:**

Alzheimer's disease & other dementias

## **Keywords**

drug delivery systems | polymerisation | therapeutic agents | targeting | blood-brain barrier

### **Research Abstract**

Novel biodegradable polymeric nanoparticles for efficient and targeted delivery of Alzheimer related agents to the brain will be developed. The nanocarriers will be fabricated from biocompatible multifunctional compounds and possess the capability to co-deliver diagnostic and therapeutic agents across the blood-brain barrier. These systems are expected to become a new efficient class of brain delivery systems.

### **Types:**

Fellowships

### **Member States:**

Australia

### **Diseases:**

Alzheimer's disease & other dementias

### **Years:**

2016

### **Database Categories:**

N/A

### **Database Tags:**

N/A