

# L1 retrotransposition: the missing link between genetics and environmental factors in Parkinson's disease ?

<https://www.neurodegenerationresearch.eu/survey/l1-retrotransposition-the-missing-link-between-genetics-and-environmental-factors-in-parkinsons-disease/>

## **Name of Fellow**

Dr Gabriela Bodea

## **Institution**

### **Funder**

NHMRC

## **Contact information of fellow**

### **Country**

Australia

## **Title of project/programme**

L1 retrotransposition: the missing link between genetics and environmental factors in Parkinson's disease ?

## **Source of funding information**

NHMRC

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

€ 403,436

## **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**

dementia | dopamine | epigenetics | parkinson disease | molecular basis of disease

**Research Abstract**

The study proposed here focuses on understanding the role of specific mobile DNA sequences in the interaction between environmental and genetic risk factors causing Parkinson's disease (PD) leading to dementia. The project proposes identification of mobile DNA induced mutations in post-mortem human PD patient brain samples. The significance and mechanisms of mobile DNA induced mutations will be then tested in a PD mouse model.

**Types:**

Fellowships

**Member States:**

Australia

**Diseases:**

Alzheimer's disease & other dementias

**Years:**

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**Database Categories:**

N/A

**Database Tags:**

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