

# NF-kB control of neuronal apoptosis in Alzheimer disease

<https://neurodegenerationresearch.eu/survey/nf-kb-control-of-neuronal-apoptosis-in-alzheimer-disease/>

## Principal Investigators

SEN, RANJAN SEN

## Institution

National Institute on Aging

## Contact information of lead PI

### Country

USA

## Title of project or programme

NF-kB control of neuronal apoptosis in Alzheimer disease

## Source of funding information

NIH (NIA)

## Total sum awarded (Euro)

90101.83486

## Start date of award

## Total duration of award in years

12

## Keywords

Acquired Cognitive Impairment... Aging... Alzheimer's Disease... Alzheimer's Disease including Alzheimer's Disease Related Dementias (AD/ADRD)... Brain Disorders... Dementia... Genetics... Immune System... Neurodegenerative... Neurosciences

## Research Abstract

During FY16 we accomplished the following: 1. We identified non-coding RNAs (ncRNAs) that are induced in response to inflammatory signaling (IL-1 and TNF) in human neuronal cell lines and an astrocyte cell line, and in primary mouse neurons. 2. We tested different methods to quantitate RelA nuclear translocation to determine the kinetics to nuclear entry and exit of this transcription factor. 3. We evaluated the use of live-cell imaging to determine the kinetics of RelA translocation using a transfected RelA-GFP fusion protein.

## Further information available at:

**Types:**

Investments < €500k

**Member States:**

United States of America

**Diseases:**

N/A

**Years:**

2016

**Database Categories:**

N/A

**Database Tags:**

N/A