

# Determination of the $\beta$ -amyloid disaggregation capacity of PLA-PEG-CON-pyren polymeric nanoparticles

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## Background of the research

Reactive oxygen species and generation of protein aggregates are some of the causes behind the onset of some of the most important neurodegenerative disorders, such as [Alzheimer](#) and [Parkinson](#).

## Objective of the STSM

Determination of the capacity of a specific type of polymeric nanoparticles to [remove some reactive oxygen species](#) and to [inhibit the formation of protein aggregates](#).

## Results of the STSM

The studies carried out in the group of [prof. Graziella Vecchio](#) allowed us to determine that the analysed nanoparticles present antioxidant activity and the potential ability to inhibit the formation of the toxic protein aggregates. And more important, [the STSM was very useful to kick off the collaboration between both groups](#).

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