

ABSTRACT / RESUM

És un resum breu i sintetitzat que permet al lector tenir una primera idea del contingut del treball realitzat.

ASPECTES TÈCNICS:

- Es redacta sempre en **tercera persona**, seria correcte tant en present com en passat.
- Conté: els **objectius**, la **metodologia**, els **resultats** més destacats i **conclusions**.
- L'extensió és limitada, hauria de tenir unes **250 paraules** aproximadament.
- Es posiciona abans de l'índex i la introducció.
- Aquest apartat no s'enumera.
- Es redacta en **dues llengües** diferents de les que s'ha redactat el treball.
- Inclou 4 o 5 **paraules clau**. Aquestes permeten identificar els temes principals del treball per tal de classificar-lo, facilitar la cerca en bases de dades o repositoris, etc.

ABSTRACT	
<p>Alzheimer's Disease is a progressive neurological disorder that causes severe memory loss due to neuronal death. It is the most common form of dementia among people over the age of 65 and affects more than 50 million people worldwide.</p> <p>Nowadays, the existing drugs are designed to slow the progression of this pathology. However, no treatment capable of stopping or reversing the neurodegeneration caused by this illness has been developed yet. Consequently, I decided to study gene therapy as a possible technique for treating Alzheimer's.</p> <p><u>The main purpose of this research was to check and compare the effectiveness of two shRNA models to reduce the expression of two specific proteins, DDX1 and HSPC117, in HEK293 cells. This was done in the practical part of the research, where I conducted a series of experiments designed to determine and analyse the effectiveness of shRNA in genetic silence, both at protein and mRNA levels.</u></p> <p><u>The final results verify the initial hypothesis, which stated that transfecting an shRNA into HEK293 cells significantly decreases the expression of the target gene.</u></p> <p><u>Therefore, after analysing the results, we can conclude that gene therapy with shRNA is a promising therapeutic approach to Alzheimer's Disease, as it can be used to silence specific Alzheimer's proteins such as β-amyloid, tau, or RTP801.</u></p> <p>Keywords: Alzheimer's Disease, neurodegeneration, gene therapy, shRNA, HEK293</p>	<p>OBJECTIU</p> <p>METODOLOGIA</p> <p>RESULTATS</p> <p>CONCLUSIONS</p>

Exemple: Abstract. Font: Treball de Recerca 2023 - "La teràpia gènica amb shRNA aplicada a la malaltia d'Alzheimer" (Alba Vargas)