

ArcAbeta Mouse (University of Zurich +ETH)

<https://www.neurodegenerationresearch.eu/survey/arcabeta-mouse-university-of-zurich-eth/>

Name of Resource

ArcAbeta Mouse (University of Zurich +ETH)

Name of Principal Investigator - Title

Prof

Name of Principal Investigator - First name

Jan

Name of Principal Investigator - Last name

Klohs

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Address of institution - City

Zurich

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8093

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Switzerland

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Summary

The arcAbeta mouse belongs to the family of amyloid precursor protein expressing mouse lines.

It shows age-dependent amyloid pathology with a strong vascular phenotype. Cognitive deficits can be detected by behavioral tests of hippocampal-dependent memory formation.

Q1a. Please indicate below if your cohort includes or expects to include, incidence of the following conditions? (1)

Alzheimer's disease and other dementias

Q1b. Does your resource hold

Animals

Q2a. Does the resource act as a centre for access and distribution to external groups (who are not the Principal Investigators (PI) for the resource)?

Yes

Q2b. If Yes, what procedures and rules apply for access?

Apply to PI or co-ordinator at resource| Access through collaboration with PI only| International Access

Q3a. Does your resource develop experimental models (animal/cell) for external groups?

No

Q3b. If YES and your resource is related to an ANIMAL model, what types of models are provided?

Not applicable

Q3c. If YES and your resource is related to a CELL model, what types of models are provided?

Q4a. Is this activity supported as:

Q4b. Do you deposit what you supply in any kind of central repository?

Disease

AD

Species

Rat

Available to external user

Yes

Full phenotypic character

Intracellular punctate deposits of amyloid. Amyloid plaque formation and cerebral amyloid angiopathy. Robust cognitive impairment starting at 5 months of age

Please indicate the phenotypes
List of genotypes or other subtypes

express human APP with the combined Swedish and Arctic mutations

Q5b. Cognitive function, No of models

Q5b. Cognitive function, Available to external users

Q5b. Cognitive function, Full phenotypic characterisation

Q5b. Cognitive function, Nature of phenotype

Q5b. Motor function, No of models

Q5b. Motor function, Available to external users

Q5b. Motor function, Full phenotypic characterisation

Q5b. Motor function, Nature of phenotype

Q5b. Physiological function, no of models

Q5b. Physiological function, Available to external users

Q5b. Physiological function, Full phenotypic characterisation

Q5b. Physiological function, Nature of phenotype

Q5b. Other function (please specify), no of models

Please specify other function

Q5b. Other function (please specify), Available to external users

Q5b. Other function (please specify), Full phenotypic characterisation

Q5b. Other function (please specify), Nature of phenotype

Q6. Please indicate if your resource is already linked into European or international consortia or networks?

Q7a. Is maintenance of this resource dependent on continued funding?

No

Q7b. If yes, when does the current funding period end?

Q7c. What is the expected lifespan of the resource (in years)?

Not determined

Q7d. Are there other plans affecting future use that it may be useful to know?

Types:

Experimental Models

Member States:

Switzerland

Diseases:

N/A

Years:

2016

Database Categories:

N/A

Database Tags:

N/A