

Microglia Cell Model (VU University Medical Center)

<https://www.neurodegenerationresearch.eu/survey/microglia-cell-model-vu-university-medical-center/>

Name of Resource

Microglia Cell Model (VU University Medical Center)

Name of Principal Investigator - Title

Dr

Name of Principal Investigator - First name

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Name of Principal Investigator - Last name

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The Netherlands

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Summary

Microglia, isolated from post mortem human brain (obtained from the Netherlands Brain Bank) , are used to compare effects of Alzheimer's, Parkinson's disease and fronto-temporal dementia specific misfolded proteins on inflammasome activation, and to study mechanisms of activation and effects of potential therapeutics. Although culturing protocols are established, supply of tissue is a limiting factor, as are the relative low yield in cells and the fact that microglial cells have to be used within 10 days after isolation, and are vulnerable (transport/ cannot be stored frozen).

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

Alzheimer's disease & other dementias| Parkinson's disease & PD-related disorders| Prion disease

Q1b. Does your resource hold

Microglia, isolated from post mortem human brain

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?

Access through collaboration with PI only

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?

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

Patient derived

Q4a. Is this activity supported as:

A collaboration

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

No

Disease

Species

Available to external user

Full phenotypic character

Please indicate the phenotypes

List of genotypes or other subtypes

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?

JPND "InCure" project.

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

Yes

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

2018

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

NA; (resource is infrastructure)

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

No

Types:

Experimental Models

Member States:

Netherlands

Diseases:

N/A

Years:

2016

Database Categories:

N/A

Database Tags:

N/A