

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

EpiTarget

RRID:SCR_003771

Type: Tool

Proper Citation

EpiTarget (RRID:SCR_003771)

Resource Information

URL: <http://www.epitarget.eu/>

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Description: A multidisciplinary project focused on the process leading to epilepsy, epileptogenesis, in adults. Their main hypothesis is that there are combinations of various causes, acting in parallel and/or in succession, that lead to epileptogenesis and development of seizures. Their central premise and vision is that a combinatorial approach is necessary to identify appropriate biomarkers and develop effective antiepileptogenic therapeutics. The project will focus on: * identifying novel biomarkers and their combinations for epileptogenesis after potentially epileptogenic brain insults in clinically relevant animal models, such as traumatic brain injury (TBI) and status epilepticus (SE); * exploring multiple basic mechanisms of epileptogenesis and their mutual interactions; * and translating these findings towards the clinic by validating biomarkers in human samples accessible to the consortium.

Abbreviations: EPITARGET

Synonyms: EPITARGET - Targets and biomarkers for antiepileptogenesis

Resource Type: data or information resource, portal

Keywords: common data element, preclinical, target, biomarker, antiepileptogenesis, adult human, animal model, clinical

Related Condition: Epilepsy

Funding: European Union FP7 602102

Resource Name: EpiTarget

Resource ID: SCR_003771

Alternate IDs: nlx_158041

Record Creation Time: 20220129T080220+0000

Record Last Update: 20260829T182835+0000

Ratings and Alerts

No rating or validation information has been found for EpiTarget.

No alerts have been found for EpiTarget.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Heiskanen M, et al. (2024) Plasma neurofilament heavy chain is a prognostic biomarker for the development of severe epilepsy after experimental traumatic brain injury. *Epilepsia*, 65(12), 3703.

Ndode-Ekane XE, et al. (2024) Successful harmonization in EpiBioS4Rx biomarker study on post-traumatic epilepsy paves the way towards powered preclinical multicenter studies. *Epilepsy research*, 199, 107263.

Heiskanen M, et al. (2023) Discovery and Validation of Circulating microRNAs as Biomarkers for Epileptogenesis after Experimental Traumatic Brain Injury-The EPITARGET Cohort. *International journal of molecular sciences*, 24(3).

Yasmin A, et al. (2022) Post-injury ventricular enlargement associates with iron in choroid plexus but not with seizure susceptibility nor lesion atrophy-6-month MRI follow-up after experimental traumatic brain injury. *Brain structure & function*, 227(1), 145.

Heiskanen M, et al. (2022) Plasma Neurofilament Light Chain (NF-L) Is a Prognostic Biomarker for Cortical Damage Evolution but Not for Cognitive Impairment or Epileptogenesis Following Experimental TBI. *International journal of molecular sciences*, 23(23).

De Feo R, et al. (2022) Convolutional Neural Networks Enable Robust Automatic Segmentation of the Rat Hippocampus in MRI After Traumatic Brain Injury. *Frontiers in neurology*, 13, 820267.

Lapinlampi N, et al. (2017) Common data elements and data management: Remedy to cure underpowered preclinical studies. *Epilepsy research*, 129, 87.