The EPITARGET project is funded by the European Union’s Seventh Framework Programme (FP7/2007-2013) under Grant Agreement n°602102. It focuses on targets and biomarkers of antiepileptogenesis. Key points include:

- **9 countries**
- **18 groups including 5 SMEs**
- **12 mil. € for 5 years**
- **Starting date December 2013**
Objectives

Targets and biomarkers of antiepileptogenesis

1. Identify novel biomarkers and their \textit{combinations}

2. Unravel the complex patho-physiology of epileptogenesis and design new, disease-modifying \textit{combinatorial} treatment strategies

3. \textit{Translate} the knowledge obtained in experimental models to patients in order to improve diagnosis, achieve better patient stratification, and develop new antiepileptogenic treatments and means to predict their efficacy.
Overall project design
Work packages

Objective 1

WP01 Biomarkers (UEF, University)

Objective 2

WP02 Mechanisms (IFRMN, Research Institute)

WP03 CNS delivery (Bioviron, SME?)

Objective 3

WP04 Validation in humans (UBMC, University)

WP05 Management (GABO:mi, SME)

WP06 Dissemination (L&B, SME)
Published papers: **114**

Submitted papers: **7**

Many of the publications are in high IF journals

Specific results will be presented in various sessions of today’s meeting
Other milestones

Review paper in Lancet Neurology

Advances in the development of biomarkers for epilepsy

Asla Pitkänen, Wolfgang Löscher, Annamaria Vezzani, Albert J. Becker, Michele Simonato, Katarzyna Lukasiuk, Olli Gröhn, Jens P. Bankstahl, Alan Friedman, Eleonora Aronica, Jan A. Gorter, Teresa Ravizza, Sanjay M. Sisodiya, Merab Kokaia, Heinz Beck

55 citations

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Epilepsy Research

Volume 129, January 2017, Pages 87-90

Special Communication

Common data elements and data management: Remedy to cure underpowered preclinical studies

Niina Lapinlampi a, Esbjörn Melin b, Eleonora Aronica c, Jens P. Bankstahl d, Albert Becker e, Cristophe Bernard f, Jan A. Gorter c, Olli Gröhn a, Anu Lipsanen a, Katarzyna Lukasiuk b, Wolfgang Löscher h, Jussi Paananen i, Teresa Ravizza l, Paolo Roncon k, Michele Simonato k, Annamaria Vezzani i, Merab Kokaia h, Asla Pitkänen a, b, e

EPITARGET created an Epilepsy Preclinical Biomarker Bank (EPBB), collecting images, EEG data, and blood samples from various animal models using REDCap database for biobanking. Will be available publicly.

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