

## Targets and biomarkers of antiepileptogenesis



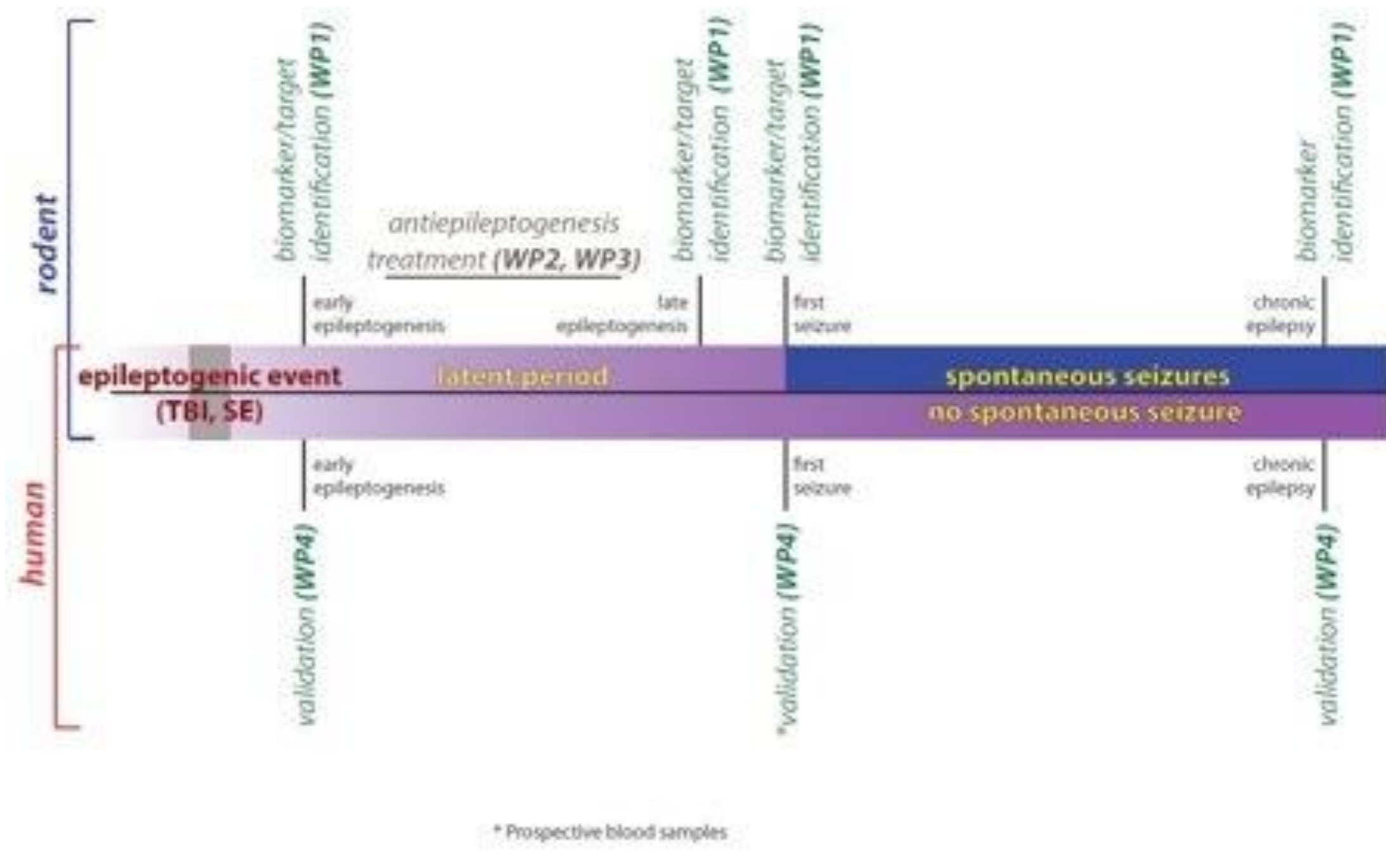
- 9 countries
- 18 groups including 5 SMEs
- 12 mil. € for 5 years
- Starting date December 2013

# Objectives

## Targets and biomarkers of antiepileptogenesis

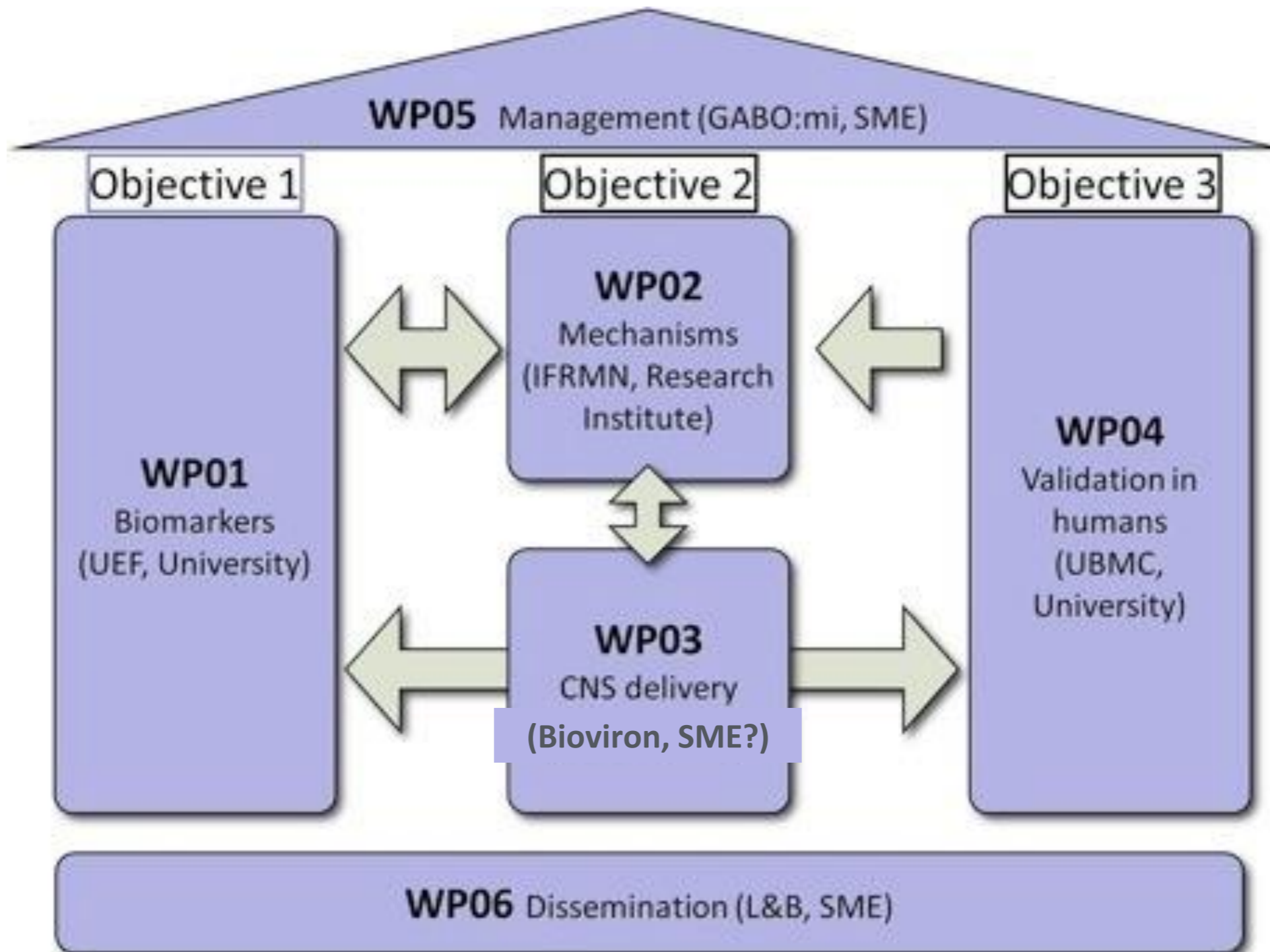
1. Identify novel biomarkers and their *combinations*
2. Unravel the complex patho-physiology of epileptogenesis and design new, disease-modifying *combinatorial* treatment strategies
3. *Translate* the knowledge obtained in experimental models to patients in order to improve diagnosis, achieve better patient stratification, and develop new antiepileptogenic treatments and means to predict their efficacy.

# Overall project design





# Work packages



# Scientific production

**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

Review

## 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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Special Communication

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

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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.