EPICURE:

An EU funded FP6 project looking at Functional Genomics and Neurobiology of Epilepsy:
A Basis for New Therapeutic Strategies

EPICURE is one of the most exciting European research projects involving 29 collaborating partners from 13 countries, undertaking ground-breaking research over a period of 4 years, on a budget of 12 million euro supported by EU FP6 research funds. EPICURE will identify the disease-causing genes and their functional role for both inherited acquired epilepsies, which will be investigated in animal models and human tissue with a focus on drug resistant temporal lobe epilepsy, and epilepsies due to developmental cortical abnormalities.

A main effort of EPICURE is devoted to investigating developmental aspects of epileptogenesis that account for the high frequency of epilepsies in children and for their often severe prognosis. Strictly related to the above research lines are the pharmacological approaches by which EPICURE aims at:

- developing more effective antiepileptic strategies
- understanding the biological bases of pharmacoresistance
- evaluating the potential of innovative therapeutic
- approaches based on synaptic modulation by neurotrophic factors and cell cycle kinase inhibitors.

EPICURE Partners:

Italy:
- Fondazione IRCCS, Istituto Neurologico ‘Carlo Besta’
- Italy; Università degli Studi di Verona
- Fondazione Istituto Neurologico Casimiro Mondino
- Università degli Studi di Ferrara
- Instituto di Ricerche Farmacologiche Mario Negri
- Istituto Giannina Gaslini
- CF Consulting Finanziamenti Unione Europea srl
- Azienda Ospedaliero Universitaria Meyer

France:
- Institut National de la Santé et de la Recherche Medicale
- Neurokin SARL

Germany:
- Friedrich Alexander University of Erlangen-Nurnberg
- Universitaetsklinikum Bonn
- Charité Universitätsmedizin Berlin
- Universitaetsklinikum Ulm
- Johannes Gutenberg Universität Mainz
- Philipps-Universitaet Marburg

Hungary:
- Magyar Tudomanyos Akademia Kiserleti Orvostudomanyi Kutatointezet

Sweden:
- Lunds Universitet

Netherlands:
- Universitair Medisch Centrum Utrecht

Finland:
- Helsingin Yliopisto, Finland; Kuopion Yliopisto

Turkey:
- Istanbul Universitesi

Spain:
- Fundación Jiménez Díaz UTE

Austria:
- Medizinische Universität Innsbruck

UK:
- University College London

Denmark:
- Ns gene A/S

Ireland:
- Brainwave on behalf of International Bureau for Epilepsy

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