TITOLO: MicroRNAs in the Pathogenesis, Treatment and Prevention of Epilepsy

EpimiRNA - FP7-HEALTH-2013-INNOVATION-1, Grant Agreement N. 602130 EpiMiRNA HEALTH-F2-2013-602130

DATA DI INIZIO: 01.01.2013

DURATA: 60 mesi

DIPARTIMENTI CHE PARTECIPANO: Dipartimento di Scienze Neurologiche e del Movimento

RESPONSABILE DEL PROGETTO: Prof. David Henshall, Royal College of Surgeons in Ireland

REFERENTE DEL PROGETTO PER L’UNIVERSITA’ DEGLI STUDI DI VERONA: Prof. Paolo Fabene

IMPORTO TOTALE: 399.540,00 euro

ENTE FINANZIATORE: European Union (represented by the European Commission)

AREE DI RICERCA DEL PROGETTO:
MicroRNAs in the Pathogenesis, Treatment and Prevention of Epilepsy

OBIETTIVI:
MicroRNAs in the Pathogenesis, Treatment and Prevention of Epilepsy.
The Main Objectives of EpiMiRNA are:
1) Identify conserved changes in functioning miRNAs in epileptogenesis and determine the mechanism(s) by which miRNA changes contribute to epileptogenesis
2) Identify the miRNAs that are functional in human TLE brain and evaluate how non-pharmacological interventions including brain stimulation modulate miRNAs
3) Determine the role of genetic variation in miRNAs and their biogenesis pathway in human TLE
4) Use systems biology to integrate miRNA bioinformatic and functional data to explain how miRNA expression changes promote epileptogenesis
5) Develop novel miRNA-modulating molecules as future therapeutics for epilepsy