

Time	Topic	Speaker
08:00	Welcome and Registration	
08:30	Welcome Speeches: Overview of epiXchange Projects	<i>Coordinators of DESIRE, EpiCare, EpimiRNA, EpiPGX, EPISTOP, EPITARGET, Epixchange</i>
09:05	A Decade of EU Efforts on Epilepsy Research	<i>K. Berkouk, European Commission, Directorate-General for Research & Innovation</i>
09:20	Translational Research in Biomarkers	<i>Chairs: A. Pitkänen, M. Simonato</i>
	Short overview of current status of research, impact and gaps to be filled in the area of biomarkers	<i>A. Pitkänen (University of Eastern Finland), M. Simonato (Università degli Studi di Ferrara)</i>
	Epigenetic biomarkers in FCDs	<i>K. Kobow (DESIRE – Friedrich-Alexander-Universität Erlangen-Nürnberg)</i>
	MicroRNA as biomarkers of epilepsy and status epilepticus	<i>F. Rosenow (EpimiRNA – Goethe-Universität Frankfurt & Philipps-Universität Marburg)</i>
	Predictors of adverse reactions to AEDs	<i>G. Cavalleri (EpiPGX – Royal College of Surgeons in Ireland)</i>
	EEG changes as biomarker for emerging epilepsy in TSC	<i>L. Lagae (EPISTOP – Katholieke Universiteit Leuven)</i>
	HMGB1 as a predictive biomarker for preclinical and clinical studies	<i>A. Vezzani (EPITARGET – Mario Negri Institute)</i>
	Questions & Answers	<i>Chairs & Speakers</i>
10:30	Coffee Break and Poster Session	
11:00	Genetics of Epilepsy - Therapeutics Implications	<i>Chairs: D. Kwiatkowski, R. Guerrini</i>
	Short overview of current status of research, impact and gaps to be filled in the area of genetics	<i>D. Kwiatkowski (Harvard University), R. Guerrini (Università degli Studi di Firenze)</i>
	Genetics of epileptogenic disorders: update and consequences on patients' therapeutic management	<i>J. Chelly (DESIRE – IGBMC) and R. Guerrini (DESIRE – Università degli Studi di Firenze)</i>
	The emerging role of genetics in the clinical care pathway	<i>R. Nabbout (EpiCARE - CHU Paris)</i>
	Genetic variation in microRNAs and their targets in epilepsy	<i>I. Lopes-Cendes (EpimiRNA – Universidade Estadual de Campinas)</i>
	Predictors of responses to AEDs	<i>H. Lerche (EpiPGX – Universität Tübingen)</i>
	Genetics and mosaicism in Tuberous Sclerosis Complex: preliminary analysis of association with seizure phenotype in EPISTOP	<i>D. Kwiatkowski (EPISTOP – Harvard University)</i>
	Functional epigenomic dissection of epilepsy in human brain biopsy tissue and corresponding mouse models	<i>A. Becker (EPITARGET – Universität Bonn)</i>
	Questions & Answers	<i>Chairs & Speakers</i>
12:25	Lunch and Poster Session	
13:55	Innovation Therapeutics & Translation	<i>Chairs: F. Rosenow, M. Kokaia</i>
	Short overview of current status of research, impact and gaps to be filled in the area of therapeutics	<i>F. Rosenow (Goethe-Universität Frankfurt & Philipps-Universität Marburg), M. Kokaia (Lunds Universitet)</i>
	Innovative therapeutic strategies for epileptic encephalopathies	<i>F. Benfenati (DESIRE – Istituto Italiano Di Tecnologia)</i>
	Improving clinical trials in epilepsy: addressing the hurdles and filling the gaps	<i>E. Perucca (EpiCARE – ILAE/ Università degli Studi di Pavia)</i>

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	MicroRNAs as targets for seizure control and disease-modification	<i>D. Henshall (EpimiRNA – Royal College of Surgeons in Ireland)</i>
	Preseizure vs postseizure treatment of epilepsy - pros and cons	<i>S. Jóźwiak (EPISTOP – Warszawski Uniwersytet Medyczny)</i>
	Evaluation of tolerability and antiepileptogenic efficacy of multitargeted drug combinations by a two-stage approach	<i>W. Löscher (EPITARGET – Stiftung Tierärztliche Hochschule Hannover)</i>
	Differential effect of neuropeptides on excitatory synaptic transmission in human epileptic hippocampus	<i>M. Ledri (EpiXchange – Lunds Universitet)</i>
	Questions & Answers	<i>Chairs & Speakers</i>
15:15	Understanding Co-Morbidities in the Epilepsies	<i>Chairs: H. Cross, S. Jóźwiak</i>
	Short overview of the current status of research, impact and gaps to be filled in the area of co-morbidities	<i>H. Cross (University College London), S. Jóźwiak (Warszawski Uniwersytet Medyczny)</i>
	Perspectives for investigating physiopathological mechanisms of co-morbidities in epilepsy	<i>A. Represa (DESIRE – INSERM)</i>
	Predictors of response and resistance and co-morbidities	<i>C. Leu (EpiPGX – University College London)</i>
	Autism in tuberous sclerosis: early developmental trajectories, potential biomarkers and treatment strategies	<i>P. Curatolo (EPISTOP – Policlinico Tor Vergata)</i>
	Systems genetic evidence for a convergence of epilepsy and its co-morbidities on shared molecular pathways	<i>M. Johnson (EPITARGET – Imperial College London)</i>
	Effects on seizures and epilepsy co-morbidities of encapsulated BDNF-producing cells	<i>C. Falcicchia (EpiXchange – Università degli Studi di Ferrara)</i>
	Questions & Answers	<i>Chairs & Speakers</i>
16:25	Coffee Break and Posters	
16:55	Biobanks and Databases - Basis for Translational Research	<i>Chairs: S. Sisodiya, K. Kobow</i>
	Short overview of the current status of research, impact and gaps to be filled in the area of biobanks and databases	<i>S. Sisodiya (University College London), K. Kobow (Friedrich-Alexander-Universität Erlangen-Nürnberg)</i>
	Success of the European Epilepsy Brain Bank	<i>I. Blümcke (DESIRE & EpiCARE – ILAE/ Friedrich-Alexander-Universität Erlangen-Nürnberg)</i>
	Multi-omic atlas of functional microRNA for epilepsy	<i>A. Ahonen-Bishopp (EpimiRNA – BCPlatforms)</i>
	Controlled access resources for genetic and pharmacogenetics research for epilepsy	<i>R. Krause (EpiPGX – Université du Luxembourg)</i>
	Biobanking in Tuberous Sclerosis Complex: challenges and opportunities for understanding epilepsy and cognitive and behavioural co-morbidities	<i>E. Aronica (EPISTOP – Universiteit van Amsterdam)</i>
	Database for powered preclinical multicenter trial	<i>A. Pitkänen (EPITARGET – University of Eastern Finland)</i>
	Questions & Answers	<i>Chairs & Speakers</i>
18:05	Closing Remarks	<i>J. Mifsud (DESIRE – University of Malta)</i>
18:15	End of Conference	