



Associazione Malattie Rare  
"Mauro Baschirotto"



SAPIENZA  
UNIVERSITÀ DI ROMA

## DISCUSSIONE IN EPILESSIA SPERIMENTALE 2

Roma, 28 gennaio 2023

Aula A di Farmacologia edificio CU024, Dipartimento di Fisiologia e Farmacologia V.  
Erspamer, Sapienza Università di Roma  
Piazzale Aldo Moro, 5

### Commission of Experimental Epilepsy (LICE)

- 10.00-10.15 **Welcome Head of Department Prof. A. Badiani**  
**Introduction – C. Costa & E. Palma**
- 10.15-10.30 Drongitis Denise Deregulation of microtubule organization and RNA metabolism in Arx models
- 10.30-10.45 Di Sapia Rossella Long-term outcomes in an infantile rat model of acquired epilepsy
- 10.45-11.00 Ruffolo Gabriele IL-10 enhances GABA<sub>A</sub>R function in epileptogenic gangliogliomas and is counteracted by IL-1 $\beta$
- 11.00-11.15 Michetti Caterina Effect of low glycemic index diet in a mouse model of hereditary MTLE
- 11.15-11.30 Cattaneo Stefano A combinatorial gene therapy for TLE based on NPY and one of its receptors
- 11.30-11.45 **Discussion – F. Benfenati & A. Vezzani**
- 11.45-12.40 **Special Guest Lecture Matthew Walker (UCL, London) – introduced by M. Simonato**
- 12.40-14.15 **Light Lunch – Poster Session (L. Librizzi, G. Ruffolo, M. Sciacaluga)**
- 14.15-14.30 De Santis Dalia MALDI imaging mass spectrometry as a new tool for molecular histology in epilepsy surgery
- 14.30-14.45 Nappi Mario Pore variants in Kv7.2 & Kv7.3 channel subunits cause DEE by gain of function effects
- 14.45-15.00 Cappato Serena Post-transcriptional regulation of SLC2A1 gene expression as target for GLUT1DS
- 15.00-15.15 **Discussion– A. Gambardella & M. Tagliatela**
- 15.15-15.30 Carmen De Caro Gut microbiota as a biomarker and pharmacological target in absence epilepsy
- 15.30-15.45 Bellingacci Laura Electrophysiological characterization of a mouse model of Lafora disease
- 15.45-16.00 **Discussion – F.S. Giorgi & E. Russo**
- 16.00-16.30 **coffee-break – Poster session (L.Librizzi, G.Ruffolo, M.Sciacaluga)**
- 16.30-16.45 Frosio Antony Functional characterization of the HCN2 variant responsible for DEE
- 16.45-17.00 Zafra-Puerta Recombinant adeno-associated virus (rAAV)-based gene therapy for Lafora disease
- 17.00-17.30 **Discussion – J. Di Francesco & G. Terrone**
- Conclusions – M. De Curtis e F. Villani**
- 17.30-17.55 **Meeting with the YES (Young Epilepsy Section of ILAE) – G. Balagura**
- 17.55-18.30 **Cheese & Wine**

**Young researchers and International Gene Therapy Awards**

**Associazione malattie rare "Mauro Baschirotto" – G. Avanzini**

### ***Selected Speakers***

Drongitis Denise	IGB-CNR, Napoli
Di Sapia Rossella	Istituto M. Negri, Milano
Ruffolo Gabriele	Sapienza University of Rome
Michetti Caterina	IIT, University of Genova
Cattaneo Stefano	San Raffale Milano, University of Ferrara
De Santis Dalia	Istituto Besta Milano
Nappi Mario	University of Naples Federico II
Cappato Serena	Istituto Gaslini Genova
Carmen De Caro	University of Catanzaro Magna Graecia
Bellingacci Laura	University of Perugia
Frosio Antony	IMTC San Donato University of Milano Bicocca
Zafra Puerta	University of Madrid

### ***Discussants***

Costa Cinzia	University of Perugia
Palma Eleonora	Sapienza University of Rome
Benfenati Fabio	University of Genova
Vezzani Annamaria	Istituto M. Negri Milano
Simonato Michele	University of Ferrara
Gambardella Antonio	University of Catanzaro Magna Grecia
Tagliatela Maurizio	University of Naples Federico II
Giorgi Filippo S.	University of Pisa
Russo Emilio	University of Catanzaro Magna Graecia
Di Francesco Jacopo	IRCCS San Gerardo dei Tintori, Monza
Terrone Gaetano	University of Naples
De Curtis Marco	Istituto Besta Milano
Villani Flavio	Ospedale San Martino Milano
Balagura Ganna	University of Genova
Librizzi Laura	Istituto Besta Milano
Ruffolo Gabriele	Sapienza University of Rome
Sciaccaluga Miriam	University of Perugia
Avanzini Giuliano	Istituto Besta Milano

**Oral presentations:** in English, max 15 min each included a clear summary of the conclusions

**Posters:** in English (max 70x100 cm); please prefer clear schematic conclusions and figures