

## DISCUSSIONE IN EPILESSIA SPERIMENTALE 3

Roma, 1° Febbraio 2025

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

- 10:00 – 10:15 Welcome – Head of Department *Eleonora Palma*  
Introduction – *Cinzia Costa & Eleonora Palma*
- 10:15 – 12:00** Chairs: *Maurizio Tagliatela – Gaetano Terrone*
- 10:15 – 10:30 Targeting dopaminergic and endocannabinoid signaling to rescue synaptic dysfunction in a mouse model of Lafora disease  
*Sciaccaluga Miriam*
- 10:30 – 10:45 Status epilepticus triggers CNS autoimmune response in the MAM/pilocarpine rat model of epileptogenic cortical malformation  
*Ciotti Arianna*
- 10:45 – 11:00 Understanding autoimmune encephalitis with seizure: a new experimental approach to unravel the role of peripheral inflammation  
*Prevosti Sara*
- 11:00 – 11:15 A gene therapy approach for focal epilepsy based on GABAA receptor overexpression  
*Bettegazzi Barbara*
- 11:15 – 11:30 Chasing metabolites from the gut to the brain: exploring metabolomic and lipidomic methods to study the gut-brain axis in epilepsy  
*Volpedo Greta*
- 11:30 – 12:00 Discussion
- 12:00 – 12:45 *Special Guest Lecture*  
*Albert Becker* (Bonn University) – introduced by *Annamaria Vezzani*
- 12:45 – 15:00 *Light Lunch – Poster Session (Filippo Sean Giorgi – Jacopo Di Francesco)*
- 15:00 – 16:45** Chairs: *Marco de Curtis – Michele Simonato*
- 15:00 – 15:15 Effects of chronic noradrenergic denervation on seizure threshold in an aging murine model: potential link btwn Late-Onset Epilepsy and Alzheimer Disease  
*Galgani Alessandro*
- 15:15 – 15:30 AATrkB activation as a novel target for drug resistant temporal lobe epilepsy: from animal models to the human epileptic brain  
*Guarino Annunziata*
- 15:30 – 15:45 Cannabidiol exerts antiseizure effect and increases survival in a mouse model of developmental and epileptic encephalopathy due to ARX triplet repeat expansion  
*Verrillo Lucia*
- 15:45 – 16:00 A rain endothelial model to test novel therapeutic strategies for GLUT -1 deficiency syndrome  
*Baldassari Simona*
- 16:00 – 16:15 Characterization of the SCN2A p.Asp195Gly mutation: a Loss-of-Function variant in a patient with pharmaco-resistant epileptic encephalopathy  
*Lo Presti Francesca*
- 16:15 – 16:45 Discussion
- 16:45 – 17:00 Meeting with the YES (Young Epilepsy Section of ILAE)  
*Giulia Battaglia – Ganna Balagura*
- 17:00 – 18:00 Conclusions – *Giuliano Avanzini, Oriano Mecarelli, Emilio Russo*  
*Cheese and wine*

**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