



IBPM-EBRI JOINT MEETING Program

Rome 14th-15th July 2021

Wednesday July 14th, 2021

09:45-10:00: **Greetings Prof. Cherubini (EBRI), Dr. A. Giuffrè (IBPM-CNR)**

SESSION I: RNA metabolism (Chair: G. Cestra)

10:00-10:10 E. Caffarelli. "Investigating the role of long noncoding RNAs in neuronal differentiation and neurodegeneration".

10:10-10:20 P. Laneve. "Investigating the role of noncoding RNAs in paediatric brain cancer".

10:20-10:30 C. Giorgi. "mRNA metabolism in neuronal function and disease".

10:30-10:40 J. Martone. "New regulatory circuitries involving lncRNAs".

10:40-10:50 C. Mannironi. "Insights into ASD-related circular RNAs".

10:50-11:10: *Coffee break*

SESSION II: Disease models and characterization 1 (Chair: C. Giorgi)

11:10-11:20 G. Meli. "Conformational studies on Amyloid- β Oligomers in Alzheimer's Disease (AD) pathogenesis".

11:20-11:30 C. Marchetti. "Regulation of neuronal excitability in physiological and pathological conditions".

11:30-11:40 G. Piccioni. "Role of the activated microglia in hippocampal synaptic plasticity alteration induced by A β ".

11:40-11:50 G. Cestra. "Drosophila melanogaster models in neurologic and neurodegenerative diseases".

11:50-12:00 C. Rinaldo. "Therapeutic pathways to increase the level of the microtubule severing enzyme spastin in hereditary spastic paraplegia (HSP)"

12:00-12:30: *Discussion*

Thursday July 15th, 2021

SESSION III: Disease models and characterization 2 (Chair: C. Marchetti)

10:00-10:10 M. Griguoli. "Dissecting neuronal circuits underlying social memory in physiological and pathological conditions".

10:10-10:20 C. Mozzetta. "Epigenetic reprogramming of Fibro-Adipogenic Progenitors promotes repair and prevents degeneration of dystrophic muscles".

10:20-10:30 S. Marinelli. "Neurons and microglia in the physiopathology of cortical microcircuits".

10:30-10:40 G. Colotti. "Sorcin in cancer and neurodegeneration: linking calcium with stress".

10:40-10:50 M. Giustizieri. "Pathogenetic mechanisms underlying drug-resistant forms of epilepsy: a study from brain tissues removed from children during surgery".

10:50-11:10: *Coffee break*

SESSION IV: Bio-facilities (Chair: A. Di Matteo)

11:10-11:20 T. Colombo. "Bioinformatics@IBPM - Functional Genomics and Biomarker Discovery".

11:20-11:30 V. Morea. "Bioinformatics@IBPM - Structural Bioinformatics and Drug Design".

11:30-11:40 A. Via. "Bioinformatics@IBPM - ELIXIR-IIB training platform: supporting life science researchers in developing computational and data management & analysis skills".

11:40-11:50 M. D'Onofrio. "Exploiting innovative biomarkers for early diagnostic and therapeutic accuracy in neuroinflammatory and neurodegenerative diseases".

11:50-12.00 I. Arisi. “Clinical and -omics data analysis in neurodegeneration by Machine Learning methods”.

12:00-12.10 F. Malerba. “NGF lab facility recombinant protein production and immunoassay development”

12:10-12.20 A. Ilari “Biocrystal Facility: a structural biology hub for Italian researchers and companies”.

12:20-13:00: ***Discussion***