



PIANO NAZIONALE DI RIPRESA E RESILIENZA (PNRR) MISSIONE 4– COMPONENTE 2 - INVESTIMENTO 1.3

PNRR project: PE00000006 – MNESYS Spoke 3:

NEURONAL HOMEOSTASIS AND BRAIN-ENVIRONMENT INTERACTION

CNR multidisciplinary advanced platform for targeting neuronal and glial homeostasis

CNR-INVENIT

Final meeting

Napoli 10 Luglio 2025

Aula Magna della struttura Cestev - Università degli Studi di Napoli Federico II
(Metro Linea 1 Policlinico)

Opening remarks

14:00-14:20

Maurizio Taglialatela

(coordinatore Spoke 3)

Maria Vincenza Catania

(coordinatrice CNR-Invenit)

Elvira De Leonibus

(co-coordinatrice CNR-Invenit)

Gennaro Piccialli

(Direttore della struttura Cestev)

15:50-16:10 **Maria G. Miano (CNR– IGB)** "Dissecting molecular factors regulating fundamental neuronal processes: from neurodevelopmental onset to maturation and neuronal survival"

16:10 – 16:40 Coffee break

II Sessione Giuseppe Pignataro (UniNA)
Gaetano Terrone (UniNA)

Lettura plenaria: 14:20-14:50

Gaetano Terrone (UniNA) "Neurodevelopmental Disorders: from genes to novel therapeutic strategies"

I Sessione Maurizio Taglialatela (UniNA)

Giancarlo Bellenchi CNR (IBBC-CNR)

14:50-15:10 **Elvira De Leonibus (CNR-IBBC)** "Memory capacity beyond limits and sex-specific regulation"

15:10-15:30 **Carlo Sala (CNR-IN)** "Synaptic function of neurodevelopmental disease genes PCHD19 and TCF20"

15:30-15:50 **Maria Vincenza Catania (CNR-IRIB)** "Metabotropic glutamate receptors in synaptic and astrocytic dysfunctions in Fragile X syndrome: an aging perspective"

16:40-17:00 **Fabio Arturo Iannotti (CNR-ICB)** "Targeting the gut–muscle–brain crosstalk in Duchenne muscular dystrophy for a microbiota-based strategy to improve cognitive and neuromuscular outcomes"

17:00-17:20 **Elia Di Schiavi (CNR-IBBR)** "Dopaminergic system modulates neurodegeneration in a C. elegans model of Spinal Muscular Atrophy"

17:20-17:40 **Emanuela Esposito - Gennaro Sanità (CNR-ISASI)** "Cryo-Electron Microscopy: exploring biological complexity at the molecular level"

17:40-18:00 **Maria Grazia Raucci - Giovanna Gomez d'Ayala (CNR- IPCB)** "Tunable alginate hydrogels for neural tissue engineering and cellular modulation"

18:00 Conclusive remarks



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delle Ricerche