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Neurobiological fingerprints of **AMYOTROPHIC LATERAL SCLEROSIS** The PERMEALS project

4 marzo 2026 Napoli

SALA MARGHERITA CAPUTO

**Complesso Monumentale
Santa Maria la Nova**

P.zza Santa Maria la Nova, 44
Napoli

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Rationale

Amyotrophic Lateral Sclerosis (ALS) is a severe neurodegenerative disease of motor neurons with a dramatic socio-economic impact on the national health system. It is characterized by high genetic heterogeneity, with more than 30 causative genes accounting for 60% of familial and 10% of sporadic cases.

A variety of biomarkers, including neurofilaments and extracellular vesicles, hold great promise in predicting the development of ALS and the variability in its progression.

Neuroimaging techniques have demonstrated to be able to detect abnormalities in motor and non-motor areas with a variety of patterns that reflect disease severity, progression, and duration.

All these points of views have been investigated in the PERMEALS project to drive research toward personalized medicine, including a team of exceptional and specific expertise in all these aspects of ALS research. The results of this project could represent the first step toward a personalized medicine to cure ALS.

Faculty

Valentina Bonetto
Milano

Andrea Calvo
Torino

Antonio Canosa
Torino

Laura Pasetto
Milano

Antonia Ratti
Milano

Alessandro Tessitore
Napoli

Nicola Ticozzi
Milano

Francesca Trojsi
Napoli

Program

- 14.00** **Participant registration & Welcome lunch**
- Chairs: Alessandro Tessitore - Andrea Calvo
- 15.15** **Opening remarks**
- 15.30** **Approach to Genetic Analysis and
Therapeutic Targets in ALS**
Antonia Ratti - Nicola Ticozzi
- 16.00** **Plasma and CSF Biomarkers in ALS**
Valentina Bonetto - Laura Pasetto
- 16.20** **Neuroimaging in ALS (MRI and PET)**
Francesca Trojsi - Antonio Canosa
- 16.40** **Discussion and Conclusions
Preliminary Results of the PERMEALS Project**
- 17.00** **Exhibition by Coro Polifonico dell'Università degli
Studi della Campania «Luigi Vanvitelli»**
Direttore Maestro Carlo Forni
- 17.30** **Conference closing**

Con il patrocinio di



Università
degli Studi
della Campania
Luigi Vanvitelli

Scuola di Medicina e Chirurgia
*Dipartimento di Scienze Mediche e
Chirurgiche Avanzate*

Scientific Committee

Prof. Andrea Calvo • Dott. Antonio Canosa • Prof. Adriano Chiò
A.O.U. Città della Salute e della Scienza, CreSLA - Torino

Prof. Nicola Ticozzi • Prof.ssa Antonia Ratti
IRCCS Istituto Auxologico Italiano - Milano

Dott.ssa Valentina Bonetto • Dott.ssa Laura Pasetto
IRCCS Istituto Mario Negri - Milano

Prof.ssa Francesca Trojsi
A.O.U. Università della Campania "Luigi Vanvitelli - Napoli

Event Office

OTTO adv
Eventi & Comunicazione

via Fratelli De Mattia, 6
84123 Salerno

mail: segreteria@eventi8adv.it
tel.: 089.2142524
www.8adv-e.it

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