

SINdem4Juniors

13th Winter Seminar on Dementia and Neurodegenerative Disorders

Recent Advances in Clinical and Experimental Research
on Dementia and Neurodegenerative Disorders

Organized by SINdem4Juniors Young Members Executive
Committee of The Italian Neurological Dementia Association

February 4-6, 2026

Bressanone, Italy
Dolomiti – Sud Tiroi



SINdem4Juniors

Scientific Committee

Artusi Carlo Alberto (*Milan, Italy*)

Assogna Martina (*Rome, Italy*)

Baldelli Luca (*Bologna, Italy*)

Bonomi Chiara Giuseppina (*Rome, Italy*)

Cecchetti Giordano (*Milan, Italy*)

Di Lazzaro Giulia (*Rome, Italy*)

Di Lorenzo Francesco (*Rome, Italy*)

Dodich Alessandra (*Trento, Italy*)

Ferraro Pilar Maria (*Genoa, Italy*)

Giacomucci Giulia (*Florence, Italy*)

Giuffrè Guido Maria (*Rome, Italy*)

Manca Riccardo (*Parma, Italy*)

Massa Federico (*Genoa, Italy*)

Masserini Federico (*Milan, Italy*)

Mitolo Micaela (*Parma, Italy*)

Moschini Valentina (*Florence, Italy*)

Panzavolta Andrea (*Pavia, Italy*)

Roveta Fausto (*Turin, Italy*)

Sacchi Luca (*Milan, Italy*)

Wednesday February 4

15.30 Registration

15.45 Opening
GIULIA GIACOMUCCI (*Florence, Italy*)
GIORDANO CECCHETTI (*Milan, Italy*)

CONTAMINATION SESSION

Moderators: GIULIA GIACOMUCCI (*Florence, Italy*)
ALBERTO GRASSINI (*Tübingen, Germany*)

16.00 [The other side of consciousness](#)
RICCARDO MANZOTTI (*Milan, Italy*)

16.40 **Neurotherapeutic opportunities from mouse models**
ROBERTO PIACENTINI (*Rome, Italy*)

17.30 Coffee break

Moderators: RICCARDO MANCA (*Parma, Italy*)
MARCO RASILE (*Pieve Emanuele, Italy*)

18.00 [Virtual Reality-based psychoeducation to improve well-being in informal caregivers of people with Alzheimer's disease](#)
CRISTINA FESTARI (*Brescia, Italy*)

18.40 [Neuroplastic or neuroplasticity? The role of microplastic in neurological diseases](#)
MATTHEW J. CAMPEN (*Albuquerque, NM*)

20.00 Dinner

NIGHT SESSION I

Moderators: FAUSTO ROVETA (*Turin, Italy*)
MARTINA GAIA DI DONNA (*Rome, Italy*)

21.00 **TDP-43 pathology in neurocognitive disorders**
MANUELA NEUMANN (*Tübingen, Germany*)

Thursday February 5

12.00 Lunch

13.30-14.30

AIRALZH SESSION

Moderators: *BENEDETTA NACMIAS (Florence, Italy)*

FABRIZIO CHITI (Florence, Italy)

GUIDO MARIA GIUFFRÈ (Rome, Italy)

13.30 [UnRaveling the effects of pollution over BrAiN connectome and cognition \(URBrAiN\)](#)

LORENZO PINI (Padua, Italy)

13.40 **Tear fluid biomarkers for early diagnosis of CAA (TRACE)**

FEDERICO CAZZANIGA (Milan, Italy)

13.50 **Targeting PKC ϵ activation in ApoE4 neurons as a synapse-restoring and neuro-protective approach for precision therapy in AD (PKC4AD)**

REBECCA PICCARDUCCI (Pisa, Italy)

14.00 **Deciphering co-pathologies in Alzheimer's Disease (DECODE-AD)**

SILVIA CECILIA PELUCCHI (Milan, Italy)

14.10 **Early Detection of Alzheimer's Disease: A Pioneering Multi-Modal Machine Learning Framework (EMMA)**

NERISA BANAJ (Rome, Italy)

14.20 **Longitudinal Profiling of Plasma-Derived Glial Extracellular Vesicles in AD: Focus on Neuroinflammation and Implication for AD Progression (GLEVAD)**

GUIDO MARIA GIUFFRÈ (Rome, Italy)

14.30 Discussion

Thursday February 5

SESSION I

BIOMARKERS

Moderators: CHIARA GIUSEPPINA BONOMI (*Rome, Italy*)

ANDREA TOJA (*Brescia, Italy*)

ELISABETTA SAPIO (*Rome, Italy*)

14.40 **From research to routine: plasma biomarkers and the future of Alzheimer's disease**
MARC SUAREZ-CALVET (*Barcelona, Spain*)

ORAL COMMUNICATION

15.00 **Plasma ApoE proteotyping on lumipulse for ApoE ε4 determination: a clinically practical tool in the era of anti-amyloid therapies**

FEDERICO CORAGLIA, G. CECCHETTI, G. RUGARLI, E. SPINELLI, A. GHIRELLI, S. PISANO, E. CANU, F. CASO, G. MAGNANI, M. FILIPPI, F. AGOSTA (*Milan Italy*)

15.10 **Neuroinflammation in Alzheimer's Disease: linking proteomic signatures with TSPO PET Imaging**

ILARIA POLA, J. STEVENSON, J. THERRIAULT, T. PASCOAL, K. BLENNOW, H. ZETTERBERG, E. ZIMMER, P. ROSA-NETO, A. BENEDET (*Gothenburg S, Quebec, QC, Canada, Pittsburgh, PA, USA, Porto Alegre BR*)

FLASH POSTER

15.20 **Disease-specific metabolic remodeling in Alzheimer's disease and frontotemporal dementia revealed by new FDG-PET parameters and CSF lactate levels**

CARLANGLO CARRESE, C. BONOMI, M. POLI, F. VETTORE, G. GRECO, A. CHIARAVALLOTI, D. CENTONZE, A. MARTORANA, C. MOTTA (*Rome, Italy*)

15.25 **Plasma Biomarker of Synaptic Dysfunction in Alzheimer's Disease: insights from the NULISA Multiplex Assay**

CATERINA MARTINUZZO, A. PILOTTO, C. TOLASSI, M. SAUER, A. BENEDET, A. RONDINA, A. GALLI, T. MERATI, C. TRASCIATTI, I. GIROTTO, G. DI MOLFETTA, I. POLA, K. TAN, W. TRAICHEL, S. CARATOZZOLO, H. ZETTERBERG, N. ASHTON, A. PADOVANI (*Brescia, Italy – Gothenburg, S - Arizona – Phoenix*)

15.30 **Exploring the prognostic role of plasma biomarkers in predicting longitudinal domain “specific cognitive decline in the preclinical and prodromal stages of Alzheimer's Disease”**

CHIARA CRUCITTI, G. GIACOMUCCI, S. BAGNOLI, A. INGANNATO, S. PADIGLIONI, C. SENSI, S. TABBÌ, V. MOSCHINI, C. MORINELLI, B. NACMIAS, V. BESSI (*Florence, Italy*)

15.35 Open discussion

15.50 Coffee break

Thursday February 5

SESSION II NEUROPHYSIOLOGY

Moderators: MARTINA ASSOGNA (*Rome, Italy*)
ENRICO FRATTO (*Catanzaro, Italy*)

- 16.30 **Hyperexcitability in AD: a physiological epiphenomenon or a pathological driver?**
XIN YOU TAI (*Oxford, United Kingdom*)

ORAL COMMUNICATION

- 16.50 [Application of transcranial alternating current stimulation \(tACS\) to modulate the serotonergic circuit in a mouse model of Alzheimer's disease](#)

MARCO CAMBIAGHI, F. MARCHIOTTO, A. PIGOZZI, R. MAZZIOTTI, S. COMAI, M. BUFFELLI (*Verona, Pisa, Padua, Italy - Nutley, USA*)

- 17.00 [A Randomized Sham-Control Trial for Home-Based Transcranial Alternating Current Stimulation \(tACS\) In Alzheimer's Disease](#)

LUCIA MENCARELLI, M. ASSOGNA, E. SAVASTANO, I. BORGHI, F. CANDEO, M. ESTEVEZ RODRIGUEZ, M. MAIELLA, R. ESPOSITO, V. PEZZOPANE, E. CASULA, S. BONNÌ, F. DI LORENZO, R. SANCHEZ-TODO, R. SALVADOR, G. RUFFINI, G. KOCH (*Rome, Italy - Barcelona, Spain*)

FLASH POSTER

- 17.10 [Beneficial effects of accelerated intermittent theta burst stimulation \(iTBS\) on cognition in Alzheimer's disease: a proof-of-concept study](#)

MARIA LUISA DI GIESI, F. MOTOLESE, E. FALATO, D. NORATA, G. MUSUMECI, A. TODISCO, F. CAPONE, V. DI LAZZARO (*Rome, Italy*)

- 17.15 **First Evidence of altered interhemispheric excitability in patients with Rem Sleep Behavior Disorder (RBD): an Exploratory TMS Study**

AURORA PALMIGIANO, A. QUERCIA, A. GALEANO, G. PASTORELLO, A. GARIFOLI, B. LANUZZA, M. MORREALE, M. TRIPODI, F.I.I. COSENTINO, G. TOSCANO, M. FIGORILLI, F. GINATEMPO, M.P. MOGAVERO, M. PENNISI, R. BELLA, R. FERRI, G. LANZA (*Troina, Catania, Cagliari, Sassari, Italy*)

- 17.20 [The bilateral association between Alzheimer's disease and epilepsy: insights from the UK Biobank](#)

ENRICO FRATTO, J. BUONOCORE, F. FORTUNATO, I. SAMMARRA, C. CALOMINO, B. VESCIO, A. QUATTRONE, A. GAMBARDELLA, A. QUATTRONE (*Catanzaro, Italy*)

- 17.25 Open discussion

- 18.00 POSTER SESSION

- 19.00 Dinner

Thursday February 5

NIGHT SESSION II

Moderators: GIORDANO CECCHETTI (*Milan, Italy*)
STEFANO MOZZETTA (*Padua, Italy*)

- 20.30 **Best candidate - Best outcome for disease modifying therapy in Alzheimer's Disease**
CATHERINE MUMMERY (*London, United Kingdom*)
- 21.10 **MRI-based strategies for monitoring treatment response and safety of anti-amyloid treatments**
NICK FOX (*London, United Kingdom*)
- 21.50 Open discussion

Friday February 6

9.30-12.00

WORKSHOP

Bridging Telehealth to Clinical Practice

Moderators: ANDREA PANZAVOLTA (*Pavia, Italy*)
ANNA GILIOLI (*Milan, Italy*)

- 9.30 **Implementing a Telemedicine Service in a Tertiary Care Hospital: The San Raffaele Experience**
FEDERICO ESPOSTI (*Milan, Italy*)
- 10.00 **Assessment of Apraxia via Telemedicine in Neurodegenerative Diseases - A step towards Telerehabilitation**
EVA SMARAGDAKI (*Athens, Greece*)
- 11.30 **Digital Biomarkers in Alzheimer's Disease: Integrating Digital Cognitive Testing with Blood-Based Biomarkers**
SOFIA TONIOLO (*Oxford, United Kingdom*)
- 12.30 Lunch

SESSION III

ALS/FTD

Moderators: PILAR MARIA FERRARO (*Genoa, Italy*)
MATTEO ZANOVELLO (*Padua, Italy*)

- 13.30 **Biomarkers along the ALS-FTD continuum: recent advances and upcoming challenges**
COREY McMILLAN (*Philadelphia, PA, USA*)

ORAL COMMUNICATION

- 13.50 **TDP-43 pathology induces CD8 T cell activation through cryptic epitope recognition**
MATTEO ZANOVELLO, S. CHIZARI, S. KONG, G. SORARU, N. JIANG, P. FRATTA (*Padua, Italy - Philadelphia, USA - London, UK*)
- 14.00 **Emotion recognition deficits in frontotemporal degeneration: exploring brain functional connectivity and emotional reserve**
ANNA GILIOLI, E. CANU, C. TRIPODI, A. BIANCHI, S. BASAIA, V. CASTELNOVO, E. SIBILLA, F. FRERI, E. G. SPINELLI, G. CECCHETTI, A. GHIRELLI, G. MAGNANI, F. CASO, E. N. AIELLO, G. DE LUCA, P. CAROPPO, S. PRIONI, C. VILLA, L. TREMOLIZZO, I. APOLLONIO, F. VERDE, N. TICOZZI, V. SILANI, M. L. GORNO-TEMPINI, B. POLETTI, M. FILIPPI, E. AGOSTA (*Milan, Italy - San Francisco, California, USA*)

Friday February 6

FLASH POSTER

- 14.10 **Longitudinal Symptoms Profile in Semantic Behavioural Variant of Frontotemporal dementia: a single-center experience**
ELEONORA PACUCCI, R. BALESTRUCCI, D. TOTARO, G. RUTA, A. BHUNJUN, D. PAOLICELLI, A. INTRONA (*Bari, Italy*)
- 14.15 **Cognitive profiles across neuromuscular disorders: extending the use of the Edinburgh Cognitive and Behavioral ALS Screen (ECAS) beyond ALS**
FRANCESCA ZORNI, P. FERRARO, E. MOLLAR, V. GUZZONE, V. BERGAMASCHI, F. RAO (*Genoa, Italy*)
- 14.20 **Neuropsychological and Neuropsychiatric Profiles in Frontotemporal Dementia: Comparing Sporadic Cases and MAPT, PGRN, and C9ORF72 Mutations**
FRANCESCO BRUNO, F. VOZZO, V. LAGANÀ, S. M. CURCIO, G. PUCCIO, F. FRANGIPANE, F. FERRISE, O. DE VITO, R. DI LORENZO, R. COLAO, A. C. BRUNI, R. MALETTA (*Rome, Pavia, Lamezia Terme, Italy*)
- 14.25 Open discussion

SESSION IV

NEUROPSYCHOLOGY

Moderators: VALENTINA MOSCHINI (*Florence, Italy*)
GUIDO MARIA GIUFFRÉ (*Rome, Italy*)

- 14.45 **Neuropsychological rehabilitation for people with non-memory dementia**
AIDA SUAREZ-GONZALEZ (*London, United Kingdom*)

ORAL COMMUNICATION

- 15.05 **Cognitive and affective aspects of Theory of mind are differently affected in the continuum of Alzheimer disease**
SOFIA SPERATI, S. BONAROTA, G. CARUSO, C. DI DOMENICO, F. TAMIGI, C. CALTAGIRONE, M. BOZZALI, L. SERRA (*Rome, Turin, Italy*)
- 15.15 **Machine Learning-based multimodal classification of Primary Progressive Aphasia (PPA) variants from automatically transcribed speech and diffusion MRI microstructure**
LAURA LUMACA, S. BASAIA, S. MUSICCO, A. RIVA, E. CANU, B. ZORNIOTTI, A. CORINI, S. PISANO, V. CASTELNOVO, E. G. SPINELLI, G. CECCHETTI, A. GHIRELLI, F. CASO, G. MAGNANI, P. CAROPPO, S. PRIONI, C. VILLA, M. FILIPPI, F. AGOSTA (*Milan, Italy*)

Friday February 6

FLASH POSTER

- 15.25 **Mnemonic and Executive Metamemory Appraisal in Mild Cognitive Impairment and Subjective Memory Decline: Clinical and Methodological Implications**
FEDERICA PALACINO, A. MENICHELLI, C. ILARDI, T. CATTARUZZA, A. BENUSSI, P. MARANGOLO, M. MICHELUTTI, E. COBA, P. MANGANOTTI, F. SALAORNI, I. LOZZI, F. BOMBIERI, G. SQUINTANI, S. MARIOTTO, S. TAMBURIN, F. PAIO, G. DE BIASI, G. PISCOSQUITO, M. TINAZZI, M. FILIPPI, F. AGOSTA, S. BOSCHI, A. CHIARANDON, G. BRODINI, E. PIELLA, A. CERMELLI (*Trieste, Naples, Verona, Salerno, Milan, Turin, Italy*)
- 15.30 **When emotion shapes moral choices: exploring the socio-affective moral phenotype in amyotrophic lateral sclerosis**
ANDREA PANZAVOLTA, A. RADICI, C. MELI, G. FUNGHI, A. DODICH, C. LUNETTA, C. CERAMI (*Pavia, Rovereto, Milan, Italy*)
- 15.35 **Equivalence of the Offline and Online administration modalities of the FAMOUS Maugeri Evaluation (FAME) to assess face perception and semantic memory**
SERENA TAGLIENTE, S. POMATI, M. MANERA, M. MAFFONI, A. MAGNANI, L. GAZZI, P. SANTACESARIA, C. GRISETA, G. SANTI, C. PALMIROTTA, E. LOSAVIO, S. DE TRANE, P. FIORE, C. LUNETTA, M. MONTEMBEAULT, P. BATTISTA, S. LIMONCELLI, G. GIOIELLO, G. MENGOZZI, M. ZOTTA (*Taranto, Pavia, Montescano, Lumezzane, Bari, Turin, Italy – Montreal, Canada*)
- 15.40 Open discussion
- 16.00 Coffee break

Friday February 6

SESSION V

MOVEMENT DISORDERS

Moderators: LUCA BALDELLI (*Bologna, Italy*)

MARTA PENGO (*Milan, Italy*)

ALBERTO IMARISIO (*Pavia, Italy*)

16.30 **Extending our understanding of synucleinopathies**

TIAGO OUTEIRO (*Göttingen, Germany*)

ORAL COMMUNICATION

16.50 **Plasma extracellular vesicles size is associated with cognitive impairment in Parkinson's disease**

ALBERTO IMARISIO, A. CATANIA, S. BERRA, M. SQUILLARIO, F. MIRAGLIA, A. CACCIOTTI, R. CALABRESE, C. GALANDRA, L. BISCETTI, A. DI FONZO, P. PARCHI, R. GHIDONI, G. FORLONI, E. VALENTE (*Pavia, Milan, Genoa, Rome, Ancona, Bologna, Brescia, Italy*)

17.00 **NULISA proteomic profiles distinguishes idiopathic REM sleep behavioural disorder and clinically established alfa-synucleinopathies**

KLAUDIA ESHJA, A. BENEDET, C. ZATTI, L. MACHADO, C. LIGUORI, K. TAN, C. TOLASSI, I. GIROTTO, M. FERNANDES, F. CIRILLO, A. RIZZARDI, N. ASHTON, H. ZETTERBERG, A. PADOVANI, A. PILOTTO (*Brescia, Rome, Italy Gothenburg, Sweden*)

FLASH POSTER

17.10 **Concomitant presentation of cardiovascular autonomic failure and cognitive impairment impact on progression and phenoconversion in iRBD.**

FELICE DI LAUDO, L. BALDELLI, L. SAMBATI, D. CIMATTI, P. GUARALDI, G. GIANNINI, A. CERERE, G. LODDO, G. MAINIERI, F. MIGNANI, G. BARLETTA, P. CORTELLI, F. PROVINI, G. CALANDRA BUONAURA (*Bologna, Italy*)

17.15 **Neutrophil-to-Lymphocyte Ratio and Cognitive Trajectories in REM Sleep Behavior Disorder**

GIULIA BRUSCHI, E. BORTOLIN, E. GIRANI, S. MAZZEO, S. BOVERI, B. BERTESAGO, M. CORBARI, A. FRIJO, A. BOMBACI, F. AMBROGI, M. FILIPPI, M. SALSONE (*Milan, San Donato Milanese Italy*)

17.20 **Identification of a Novel GRIN2C Variant in a Patient with Major Neurocognitive Disorder and Extrapyrmidal Features**

RAFFAELLA BALESTRUCCI, E. PACUCCI, G. RUTA, D. TOTARO, A. BHUNJUN, D. PAOLICELLI, A. INTRONA (*Bari, Italy*)

17.25 Open discussion

18.00 **POSTER SESSION**

19.00 Dinner

Friday February 6

NIGHT SESSION III

IMAGING

Moderators: FEDERICO MASSERINI (*Milan, Italy*)
LIA TALOZZI (*Parma, Italy*)

- 20.30 **Impact of Bilingualism on Cognitive Decline: Cognitive Performance and Neuroimaging Correlates**
FEDERICA PALACINO, M. MICHELUTTI, V. CENACCHI, T. LOMBARDO, L. PELUSI, F. CAPACCHIONE, A. MENICHELLI, L. BOTTARO, M. UKMAR, M. COVA, T. CATTARUZZA, P. MANGANOTTI, A. BENUSSI, P. PROVA, F. MOTOLESE, D. NORATA, F. URSINI, E. SAPIO, F. CAPONE (*Trieste, Rome, Italy*)
- 20.40 **Imaging heterogeneity in aging and neurodegenerative disorders**
ROSALEENA MOHANTY (*Stockholm, Sweden*)
- 21.30 **AWARD CERIMONY**
GIULIA GIACOMUCCI (*Florence, Italy*)
CHIARA GIUSEPPINA BONOMI (*Rome, Italy*)
GUIDO MARIA GIUFFRÉ (*Rome, Italy*)

Poster Session

Thursday February 5

POSTER SESSION

Moderators: DAVIDE APRILE (*Novara, Italy*)
CARLO ALBERTO ARTUSI (*Verona, Italy*)
ALESSANDRO BOMBACI (*Milan, Italy*)
GIULIA DI LAZZARO (*Rome, Italy*)
MATTIA LOSA (*Genoa, Italy*)
AURORA PALMIGIANO (*Troina, Catania, Italy*)
GAIA CHIARA SANTI (*Bari, Italy*)

- 1 Plasma GFAP improves Alzheimer's Disease classification within the ptau217 gray zone: a real-world multi-biomarker analysis**
GIORDANO CECCHETTI, G. RUGARLI, F. CORAGLIA, E. SPINELLI, A. GHIRELLI, S. PISANO, E. CANU, F. CASO, R. SANTANGELO, G. MAGNANI, M. FILIPPI, F. AGOSTA (*Milan, Italy*)
- 2 Refining Alzheimer's Disease biological diagnosis with plasma biomarkers: resolving p-tau217 "gray zone" with p-tau181 integration**
GIULIA GIACOMUCCI, S. TABBÌ, A. INGANNATO, S. BAGNOLI, S. PADIGLIONI, C. CRUCITI, C. SENSI, V. MOSCHINI, C. MORINELLI, G. GALDO, V. BERTI, B. NACMIAS, V. BESSI (*Florence, Italy*)
- 3 Plasma Biomarker of Synaptic Dysfunction in Alzheimer's Disease: insights from the NULISA Multiplex Assay**
CATERINA MARTINUZZO, A. PILOTTO, C. TOLASSI, M. SAUER, A. BENEDET, A. RONDINA, A. GALLI, T. MERATI, C. TRASCIATTI, I. GIROTTO, G. DI MOLFETTA, I. POLA, K. TAN, W. TRAICHEL, S. CARATOZZOLO, H. ZETTERBERG, N. ASHTON, A. PADOVANI (*Brescia, Italy – Gothenburg, S - Phoenix, USA*)
- 4 Integrated NULISA Plasma Proteomic Panels for the Detection and Stratification of Alzheimer's Disease**
ALESSANDRO RONDINA, A. PILOTTO, A. BENEDET, C. TOLASSI, A. GALLI, C. MARTINUZZO, T. MERATI, C. TRASCIATTI, I. GIROTTO, G. DI MOLFETTA, I. POLA, K. TAN, W. TRAICHEL, M. SAUER, S. CARATOZZOLO, H. ZETTERBERG, N. ASHTON, A. PADOVANI (*Brescia, Italy, Gothenburg, S*)
- 5 Early functional alterations in biomarker positive older adults at risk of developing Alzheimer's Disease**
ARIANNA MENARDI, S. CAUZZO, E. FIORENZATO, R. BIUNDO, A. CAGNIN, A. VALLESI, A. ANTONINI (*Padua, Italy*)
- 6 EEG Features Predict Plasma pTau-217 Positivity in Patients Along the Alzheimer's Continuum**
LUCA ZANCHI, G. CECCHETTI, J. LANZONE, G. RUGARLI, S. BASAIA, F. CORAGLIA, M. CURSI, E. G. SPINELLI, A. GHIRELLI, E. CANU, E. SIBILLA, F. CASO, R. SANTANGELO, D. CURTI, G. F. FANELLI, A. BELLINI, G. MAGNANI, M. FILIPPI, F. AGOSTA (*Milan, Italy*)

Poster Session

- 7 **Analysis of fecal microbiota in a cohort of adults with Down syndrome and its association with Alzheimer's disease biomarkers**
FRANCESCO RAVAIOLI, C. PELLEGRINI, S. DE FANTI, C. SALA, M. ROCHAT, V. POLLARINI, B. POLISCHI, A. PASTI, M. GRASSO, M. RAMBALDI, F. CARDONI, N. GROTTESCHI, F. CARACI, P. CORTELLI, F. PROVINI, R. LODI, L. MORANDI, P. PARCHI, G. PIRAZZOLI, L. SAMBATI, C. TONON, M. BACALINI (*Bologna, Troina, Italy*)
- 8 **Exploring the prognostic role of plasma biomarkers in predicting longitudinal domain-specific cognitive decline in the preclinical and prodromal stages of Alzheimer's Disease**
CHIARA CRUCITI, G. GIACOMUCCI, S. BAGNOLI, A. INGANNATO, S. PADIGLIONI, C. SENSI, S. TABBÌ, V. MOSCHINI, C. MORINELLI, B. NACMIAS, V. BESSI (*Florence, Italy*)
- 9 **Disentangling the effects of amyloid- β and tau on synaptic damage across the Alzheimer's continuum**
FAUSTO ROVETA, A. MENDES, V. GARIBOTTO, C. BOCCALINI, K. BLENNOW, H. ZETTERBERG, N. ASHTON, I. RAINERO, F. RIBALDI, G. FRISONI (*Turin, Italy, Geneva, CH, Gothenburg, S*)
- 10 **Diagnostic performance and clinical utility of plasma biomarkers for Alzheimer's disease in patients with cognitive impairment: a single-center cohort study**
MARTINA POLI, C. BONOMI, I. BARBERIS, M. NUCCETELLI, S. BERNARDINI, D. CENTONZE, C. MOTTA, A. MARTORANA (*Rome, Italy*)
- 11 **Ultra-sensitive NULISA profiling of APOE proteotype and APOE ϵ 4-dependent plasma proteomic changes in Alzheimer's disease**
ANDREA TOJA, A. PILOTTO, A. BENEDET, C. TOLASSI, A. RONDINA, A. GALLI, T. MERATI, C. TRASCIATTI, I. GIROTTO, G. DI MOLFETTA, I. POLA, K. TAN, W. TRACHEL, S. CARATOZZOLO, H. ZETTERBERG, N. ASHTON, A. PADOVANI (*Brescia, Italy, Gothenburg, S, Arizona - Phoenix*)
- 12 **1-Year Real-World use of Lecanemab and Donanemab in an Italian Memory Center**
GIORDANO CECCHETTI, E. SPINELLI, A. GHIRELLI, G. RUGARLI, S. PISANO, F. CORAGLIA, E. CANU, V. CASTELNOVO, E. SIBILLA, A. GILIOLI, C. TRIPODI, F. FRERI, A. BIANCHI, P. VEZZULLI, S. CALLONI, A. FALINI, A. SAMANES GAJATE, A. PANZACCHI, G. PEPE, C. FERRI, A. CHITI, M. FILIPPI, F. AGOSTA (*Milan, Italy*)
- 13 **Proteomic Signatures of Sleep Disorders in Alzheimer's Disease: An Exploratory NULISA-Based Study**
MATTIA ZAFFANELLA, L. PURIN, C. ZATTI, A. TOJA, E. RUSI, A. ZANCANARO, M. PASOLINI, S. CARATOZZOLO, A. PILOTTO, A. PADOVANI, Z. STEVIC, E. ZAMBA-PAPANICOLAOU, S. KADENŠEK, J. ZIDAR, F. TROJSI (*Brescia, Nicosia, Naples Italy, Ljubljana, Slovenia*)

Poster Session

- 14 **Cerebrospinal fluid biomarkers of synaptic damage and neuroinflammation in the Alzheimer's disease continuum**
LUCREZIA BONINO, SILVIA BOSCHI, A. M. CHIARANDON, G. BRODINI, E.M. PIELLA, A. CERMELLI, M. ZOTTA, G. ROVERA, S.D. MORBELLI, E. RUBINO, I. RAINERO, F. ROVETA (*Turin, Italy*)
- 15 **Innovating Brain Health: An Italian Experience with a Community-Based Service**
BIANCA LAMORGESE, E. CANU, E. SIBILLA, G. CECCHETTI, E.G. SPINELLI, V. CASTELNOVO, G. RUGARLI, A. GHIRELLI, R. SANTANGELO, J. LANZONE, M. CURSI, L. ZANCHI, F. AGOSTA, M. FILIPPI (*Milan, Italy*)
- 16 **Long-read genome sequencing and multi-omics in aging and neurodegeneration**
LIA TALOZZI, S. YANG, A. PENNA-TAUBER, J. GORZYNSKI, S. MONTGOMERY, M. GREICIUS (*Parma, Italy, Stanford, California*)
- 17 **Disease-specific metabolic remodeling in Alzheimer's disease and frontotemporal dementia revealed by new FDG-PET parameters and CSF lactate levels**
CARLANGELLO CARRESE, C. BONOMI, M. POLI, F. VETTORE, G. GRECO, A. CHIARAVALLI, D. CENTONZE, A. MARTORANA, C. MOTTA (*Rome, Italy*)
- 18 **Diagnostic and Prognostic Accuracy of Plasma Biomarkers for Alzheimer's Disease in a Real-World Memory Clinic Cohort of Mild Cognitive Impairment Subjects**
GUIDO MARIA GIUFFRÉ, A. SCALESE, D. FUSCO, D. QUARANTA, M. G VITA, C. CARROZZA, P. CALABRESI, C. MARRA (*Rome, Italy*)
- 19 **Concomitant presentation of cardiovascular autonomic failure and cognitive impairment impact on progression and phenoconversion in iRBD**
FELICE DI LAUDO, L. BALDELLI, L. SAMPATI, D. CIMATTI, P. GUARALDI, G. GIANNINI, A. CERERE, G. LODDO, G. MAINIERI, F. MIGNANI, G. BARLETTA, P. CORTELLI, F. PROVINI, G. CALANDRA BUONAURA (*Bologna, Italy*)
- 20 **Identification of a Novel GRIN2C Variant in a Patient with Major Neurocognitive Disorder and Extrapyramidal Features**
RAFFAELLA BALESTRUCCI, E. PACUCCI, G. RUTA, D. TOTARO, A. BHUNJUN, D. PAOLICELLI, A. INTRONA (*Bari, Italy*)
- 21 **Neutrophil-to-Lymphocyte Ratio and Cognitive Trajectories in REM Sleep Behavior Disorder**
GIULIA BRUSCHI, E. BORTOLIN, E. GIRANI, S. MAZZEO, S. BOVERI, B. BERTESAGO, M. CORBARI, A. FRIJO, A. BOMBACI, F. AMBROGI, M. FILIPPI, M. SALSONE (*Milan, San Donato Milanese Italy*)
- 22 **Alterations of cerebellar volumes and functional connectivity and gait changes in Parkinson's disease subjects with freezing of gait**
ANDREA GARDONI, E. SARASSO, A. GRASSI, S. BASAIA, G. BONARDI, S. CARTA, S. MARIOTTO, I. DI VICO, E. MANTOVANI, E. CANU, M. BRESSAN, V. CASTELNOVO, E. SIBILLA, C. TRIPODI, F. FRERI, R. BALESTRINO, M. TRENTINAGLIA, F. MAFFEI, V. CHIODEGA, S. TABURIN, M.A. VOLONTE, M. TINAZZI, M. FILIPPI, F. AGOSTA (*Milan, Genoa, Verona, Italy*)

Poster Session

- 23 **Young-onset parkinsonism as an atypical presentation of a GRN mutation: implications for the dementia spectrum**
ANNA COVOLO, L. CALIGIANA, S. CORDERA, G. GIARDINI (*Aosta, Italy*)
- 24 **Non-AD Posterior Cortical Atrophy With Corticobasal Features: Managing Behavioural Disturbances and Motor Dysfunction**
ISABELLA SCARPONI, M. COTTA RAMUSINO, G. PERINI, V. DE FRANCO, A. IMARISIO, C. IMBIMBO, A. GATTI, S. LEONE, A. COSTA (*Pavia, Italy*)
- 25 **When Metabolism Mimics Neurodegeneration: An Atypical Presentation of Fahr Syndrome**
LORENZO PARRULLI, C. ESPOSTO, L. PARRULLI, F. LUISI, M. RUBBIO, T. TARANTINI, M. PETRUZZELLIS, G. DEFAZIO, D.M. MEZZAPESA (*Bari, Italy*)
- 26 **Gender differences in metabolic connectome in Subjective Cognitive Decline**
SILVIA MARIA RITA TABBÌ, G. GIACOMUCCI, M. NERATTINI, S. PADIGLIONI, V. MOSCHINI, C. MORINELLI, C. CRUCITTI, G. GALDO, C. SENSI, S. BAGNOLI, A. INGANNATO, E. MERCANTELLI, B. NACMIAS, V. BERTI, V. BESSI (*Florence, Italy*)
- 27 **Functional connectivity alterations in serotonergic territories influence mood symptoms in Alzheimer's disease**
RICCARDO MANCA, L. RUFFINI, A. VENNERI (*Parma, Italy*)
- 28 **Quantitative susceptibility mapping as a sensitive biomarker of choroid plexus alterations in neurodegeneration**
LUCA SACCHI, G. BOCCA, G. FARRUGGIO, M. PINTUS, T. CARANDINI, L. GHEZZI, A. PIETROBONI, M. DE RIZ, E. SCOLA, F. TRIULZI, D. GALIMBERTI, A. ARIGHI, M. BOZZALI (*Milan, Turin, Italy*)
- 29 **Dopaminergic Connectivity Signatures Differentiate Alzheimer's Disease and Dementia with Lewy Bodies: An In Vivo SPECT Study**
ALICE GALLI, A. PILOTTO, A. SALA, S. CAMINITI, L. PRESOTTO, N. MERCURI, V. GARIBOTTO, G. FRISONI, A. CHIARAVALLOTI, O. SCHILLACI, M. D'AMELIO, B. PAGHERA, S. LUCCHINI, P. TIRABOSCHI, F. BERTAGNA, L. BONANNI, D. PERANI, A. PADOVANI (*Brescia, Pavia, Milan, Rome, Pescara, Chieti, Italy, Liege Belgium, Geneva, CH*)
- 30 **Unsupervised cognitive profiling and PET imaging in early Alzheimer's disease / Data-driven cognitive profiles reveal metabolic gradients in early Alzheimer's spectrum**
MATILDE BRUNO, F. DE SANTIS, M. V. MATTOLI, A. D. DI NICOLA, F. CICCOCIOPPO, A. THOMAS, L. BONANNI, P. TOCCO, M. LUPINETTI, M. BALDUCCI, M. RUSSO, D. CALISI, M. ROSSI, P. CERRONE, P. SUCAPANE, M. PIROLI, D. TORTOLANI, E. CONTE, A. SARDANELLI, O. NICOLOTTI, A. LEUTI, S. ODDI, S. SACCO, M. MACCARRONE, U. NOCENTINI (*Ferrara, Pecaara, Lanchiano, Chieti, Teramo, L'Aquila, Rome, Bari, Italy*)
- 31 **Distinctive signatures in atypical parkinsonism: a multilevel analysis of cognitive, neuropsychiatric and FDG-PET features**
DAVIDE APRILE, F. DE MARCHI, F. VIGNAROLI, F. BONARDI, L. TAVAGLIONE, M. SACCHETTI, G. SACCHETTI, C. COMI, G. TONDO (*Novara, Italy*)

Poster Session

- 32 **The bilateral association between Alzheimer's disease and epilepsy: insights from the UK Biobank**
ENRICO FRATTO, A. QUATTRONE, A. QUATTRONE, J. BUONOCORE, F. FORTUNATO, I. SAMMARRA, C. CALOMINO, B. VESCIO, A. QUATTRONE, A. GAMBARDELLA (*Catanzaro, Italy*)
- 33 **First Evidence of altered interhemispheric excitability in patients with Rem Sleep Behavior Disorder (RBD): an Exploratory TMS Study**
AURORA PALMIGIANO, A. QUERCIA, A. GALEANO, G. PASTORELLO, A. GARIFOLI, B. LANUZZA, M. MORREALE, M. TRIPODI, F.I.I. COSENTINO, G. TOSCANO, M. FIGORILLI, F. GINATEMPO, M.P. MOGAVERO, M. PENNISI, R. BELLA, R. FERRI, G. LANZA (*Troina, Catania, Cagliari, Sassari, Italy*)
- 34 **Beneficial effects of accelerated intermittent theta burst stimulation (iTBS) on cognition in Alzheimer's disease: a proof-of-concept study**
MARIA LUISA DI GIESI, F. MOTOLESE, E. FALATO, D. NORATA, G. MUSUMECI, A. TODISCO, F. CAPONE, V. DI LAZZARO (*Rome, Italy*)
- 35 **Predicting cognitive decline in Alzheimer's disease: A real-life proof-of-principle study on multimodal assessment**
GABRIELE ANNESI, F. MOTOLESE, D. NORATA, G. IACCARINO, E. SAPIO, S. LODICO, M.L. DI GIESI, A. CRUCIANI, M. ROSSI, F. PILATO, V. DI LAZZARO, F. CAPONE (*Rome, Italy*)
- 36 **Determining how lifestyle affects synapse composition in a transgenic model of Alzheimer's disease via proximity labeling**
MARCO MAINARDI, M. DI CAPRIO, J. DE LA OSSA GUERRA, M. DI PECO (*Padua, Italy*)
- 37 **Hemodynamic assessment and cerebrovascular reactivity in cerebral amyloid angiopathy, a neurosonological study**
STEFANO MOZZETTA, S. CAVATORTI, A. PETULLÀ, A. ACERBI, G. FREDIANELLI, F. VIARO, A. PIERONI, A. MENARDI, A. CAGNIN, M. BRESSAN, V. CASTELNOVO, E. SIBILLA, C. TRIPODI, F. FRERI, R. BALESTRINO, M. TRENTINAGLIA, F. MAFFEI, V. CHIODEGA, S. TAMBURIN, M. VOLONTÈ, M. TINAZZI, M. FILIPPI (*Padua, Verona, Milan, Italy*)
- 38 **Distinct biological profile in oldest-old Alzheimer's Disease: the role of LDL-C on Blood-Brain Barrier function and disease burden**
ILARIA BARBERIS, M. POLI, F. BERNOCCHI, C. BONOMI, C. MOTTA, A. MARTORANA, D. CENTONZE (*Rome, Italy*)
- 39 **Neurovascular assessment and monitoring in a patient with Cerebral Amyloid Angiopathy-related Inflammation treated with steroids**
STEFANO MOZZETTA, A. MENARDI, A. CAGNIN, E. CANU, F. CASO, G. MAGNANI, M. FILIPPI, F. AGOSTA, V. CASTELNOVO, E. CANU, S. BASAIA, E. SPINELLI, S. CADEMARTIRI, P. SCHITO, T. RUSSO, Y. FALZONE, F. VERDE, S. TORRE, B. POLETTI (*Padua, Milan, Italy*)

Poster Session

- 40 **Alzheimer's Disease core biomarkers negatively impact baseline and postoperative cognitive profiles in Normal Pressure Hydrocephalus: findings from the Bologna Pro-Hydro Study**
CHIARA RICCIETTI, C. ZENESINI, S. BAIARDI, M. CRIANTE, A. D'APOLITO, D. MILLETTI, L. ALBINI-RICCIOLI, B. POLISCHI, G. CALANDRA-BUONAURO, E. MEGELLI, D. MASCARELLA, L. MAZZA, L. BALDELLI, M. STANZANI-MASERATI, P. CORTELLI, S. CEVOLI, G. PALANDRI, P. PARCHI, G. GIANNINI (*Bologna, Italy*)
- 41 **ADAM17/TACE Polymorphisms as Genetic Predictors of Cognitive Performance on RAVLT and Clock Drawing Test in Sporadic Alzheimer's Disease**
FRANCESCO BRUNO, F. VOZZO, P. SPADAFORA, V. LAGANÀ, S. M. CURCIO, G. PUCCIO, F. FRANGIPANE, F. FERRISE, O. DE VITO, E. PAPAARAZZO, M. A. ACETO, R. COLAO, A. C. BRUNI, A. MONTESANTO, F. CAVALCANTI, R. MALETTA (*Rome, Pavia, Cosenza, Lamezia Terme, Rende, Italy*)
- 42 **Neuropsychological and Neuropsychiatric Profiles and Temporal Trajectories in PSEN1, PSEN2, APP, and Sporadic Alzheimer's Disease: A Comparative Study from Onset to Diagnosis**
FRANCESCO BRUNO, F. VOZZO, V. LAGANÀ, S. M. CURCIO, G. PUCCIO, F. FRANGIPANE, F. FERRISE, O. DE VITO, R. DI LORENZO, R. COLAO, A. C. BRUNI, R. MALETTA (*Rome, Pavia, Lamezia Terme, Italy*)
- 43 **Identifying Linguistic markers of Alzheimer's Disease through AI-Based Analysis**
GAIA CHIARA SANTI, S. ARESTA, C. PALMIROTTA, A. BENZINI, S. TAGLIENTE, P. SANTACESARIA, R. TOMASONI, C. LUNETTA, C. SALVATORE, P. BATTISTA (*Bari, Milan, Pavia, Italy*)
- 44 **When emotion shapes moral choices: exploring the socio-affective moral phenotype in amyotrophic lateral sclerosis**
ANDREA PANZAVOLTA, A. RADICI, C. MELI, G. FUNGHI, A. DODICH, C. LUNETTA, C. CERAMI (*Pavia, Rovereto, Milan, Italy*)
- 45 **Mnemonic and Executive Metamemory Appraisal in Mild Cognitive Impairment and Subjective Memory Decline: Clinical and Methodological Implications**
FEDERICA PALACINO, A. MENICHELLI, C. ILARDI, T. CATTARUZZA, A. BENUSSI, P. MARRANGOLO, M. MICHELUTTI, E. COBA, P. MANGANOTTI, F. SALAORNI, I. LOZZI, F. BOMBIERI, G. SQUINTANI, S. MARIOTTO, S. TAMBURIN, F. PAIO, G. DE BIASI, G. PISCOSQUITO, M. TINAZZI, M. FILIPPI, F. AGOSTA, S. BOSCHI, A. CHIARANDON, G. BRODINI, E. PIELLA, A. CERMELLI (*Trieste, Naples, Verona, Salerno, Milan, Turin, Italy*)
- 46 **Sex and APOE ε4 Genotype Interactions on Neuropsychological Performance in Temporal Lobe Epilepsy**
FRANCESCO BRUNO, P. SPADAFORA, I. VELTRI, A. CERANTONIO, S. DE BENEDETTIS, B.M. GRECO, G. DI PALMA, O. GALLO, L. CITRIGNO, A. QUALTERI, F. CAVALCANTI (*Rome, Cosenza, Italy*)
- 47 **Identifying Individuals At-Risk for Alzheimer's Disease: The Role of Eye-Tracking in the NAP4A Digital Platform**
CHIARA TRIPODI, E. CANU, S. MUSICCO, A. GILIOLI, L. FLEMATTI, M. NOURI JANIAN, M. ZULLO, A. SANNA, M. FILIPPI F. AGOSTA (*Milan, Italy*)

Poster Session

- 48 **Equivalence of the Offline and Online administration modalities of the Famous Maugeri Evaluation (FAME) to assess face perception and semantic memory**
SERENA TAGLIENTE, S. POMATI, M. MANERA, M. MAFFONI, A. MAGNANI, L. GAZZI, P. SANTACESARIA, C. GRISETA, G. SANTI, C. PALMIROTTA, E. LOSAVIO, S. DE TRANE, P. FIORE, C. LUNETTA, M. MONTEMBEAULT, P. BATTISTA (*Bari, Montescano, Milano, Lumezzane, Pavia, Italy – Montreal, Canada*)
- 49 **Long-term cognitive trajectories under acetylcholinesterase inhibitor therapy in PDD, DLB, and AD: a 3-year real-world study**
ENRICO BERGAMIN, L. CORI, F. GINANNI, I. MENCHETTI, M. G. TEDESCHI, D. FROSINI, G. TOGNONI, R. CERAVOLO, G. PALERMO (*Pisa, Italy*)
- 50 **Neuropsychological and Gait Assessment in Healthy Aging: Quantitative Insights at the Interface of Neurology and Rehabilitation. The DataCOG Study**
ALICE TOMASELLI, F. MOLLAME, F. PEGREFFI, A. MANIACI, F. CAPPELLANI, A. CARUSO, C. GAGLIANO, M. SALFI, E. GALLO, R. TORRISI, S. LAVALLE, A. LUCA (*Catania, Enna, Italy*)
- 51 **A Dual Approach to Cognitive Health: Early Evidence from the PHysical ACTivity and Aminoacids in MCI: their role in progression towards DEmentia (PHACADE) Study**
EMANUELE ROCCO VILLANI, C. GALLI, V. ACCHIAPPATI, B. MANNI, P. BEVILACQUA, C. NINIVAGGI, V. GUERZONI, A. MANCINI, L. BERGAMINI, D. ZACCHERINI, C. CATALANO, A. FABBO (*Modena, Asti, Italy*)

Poster Session

Friday February 6

POSTER SESSION

Moderators: FRANCESCO BRUNO (*Cosenza, Italy*)
GUIDO MARIA GIUFFRÈ (*Rome, Italy*)
FEDERICO MASSA (*Genoa, Italy*)
SALVATORE MAZZEO (*Milan, Italy*)
FEDERICO MENEGON (*Arzignano-Montecchio, Italy*)
LUCA SACCHI (*Milan, Italy*)

- 52 **Associations between CSF biomarkers and motor impairment measured by wearable sensors in cognitive decline**
FRANCESCO CAPACCHIONE, F. PALACINO, M. SIMONELLI, V. CENACCHI, L. PELUSI, T. LOMBARDO, A. MENICHELLI, T. CATTARUZZA, P. MANGANOTTI, A. BENUSSI, E. MOLLAR, V. GUZZONE, V. BERGAMASCHI, F. RAO, F. MOLLAME, F. PEGREFFI, A. MANIACI, F. CAPPELLANI, A. CARUSO (*Trieste, Genoa, Enna, Catania, Italy*)
- 53 **Psychiatric-Onset Prodromal Dementia with Lewy Bodies: a Multimodal characterization and comparative analysis with Primary Psychiatric Disorders and other Prodromal Dlb Phenotypes**
CHIARA BONIBURINI, A. MIGNARRI, L. SACCHI, M. PINTUS, C. FENOGLIO, A. ARIGHI (*Siena, Milan, Italy*)
- 54 **A Screening Operative Model for detecting subjects with idiopathic REM sleep behavior disorder (SOMIRBD): study protocol and preliminary results**
ELISA BORTOLIN, S. MAZZEO, G. BRUSCHI, G. CONTE, A. BOMBACI, M. CORBARI, A. FRIJO, A. ASTENGO, L. FERINI-STRAMBI, M. FILIPPI, M. SALSONE (*Udine, Milan, Italy*)
- 55 **Discordance of plasma pTau-217 levels with amyloid PET and CSF biomarkers in subjects with cognitive decline: a single center study**
AMEDEO ACERBI, G. FREDIANELLI, G. MUSSO, S. MOZZETTA, D. CECCHIN, A. CAGNIN, C. COMI, E. GROSSINI, G. TONDO, S. BONAROTA, G. CARUSO, S. SPERATI, C. DI DOMENICO (*Mantova, Padova, Novara, Rome, Italy*)
- 56 **Multivariate network based analyses identified GFAP as mediatory hub between synaptic, neuronal and inflammatory markers in Alzheimer's disease**
CHIARA TRASCIATTI, C. TRASCIATTI, A. PILOTTO, C. TOLASSI, E. MARCELLO, C. MARTINUZZO, S. PELUCCHI, S. CARATOZZOLO, I. GIROTTO, L. D'ANDREA, R. STRINGHI, A. BENNET, H. ZETTERBERG, N. ASHTON, M. DI LUCA, A. PADOVANI (*Brescia, Milan, Italy, Gothenburg, S*)

Poster Session

- 57 **Integrating Plasma p-tau217 into Real-World Practice: Evidence from a Memory Cohort Clinic**
GIORGIA BRODINI, F. ROVETA, S. BOSCHI, A.M. CHIARANDON, A. CERMELLI, C. LOMBARDO, L. BONINO, V. PACOOVA DAL MASCHIO, S. LIMONCELLI, G. GIOIELLO, G. MENGOZZI, M. ZOTTA, G. ROVERA, S. MORBELLI, I. RAINERO, E. RUBINO (*Torino, Italy*)
- 58 **Oxidative stress and neurovascular unit dysfunction in Alzheimer's Disease: evidence from plasma markers and in vitro models**
MARTINA MANISCALCO, A. MELE, L. TAVAGLIONE, S. VENKATESAN, N. MADONIA, D. APRILE, F. DE MARCHI, C. COMI, E. GROSSINI, G. TONDO (*Novara, Italy*)
- 59 **Late-onset psychotic depression in a patient with biological diagnosis of Dementia with Lewy bodies with concomitant tauopathy**
ALESSANDRO PETULLÀ, G. FREDIANELLI, N. RAVI, A. ACERBI, F. CORTELLESA, A. MAZZONETTO, C. BUSSÉ, M. CAMPAGNOLO, D. CECCHIN, A. CAGNIN, S. MOZZETTA (*Padua, Italy*)
- 60 **Age-Related Differences in Cognitive Profile and CSF Biomarkers in Alzheimer's Disease**
ALESSANDRO SCALESE, G. GIUFFRÉ, F. DONNARUMMA, D. FUSCO, D. QUARANTA, C. MARRA (*Rome, Italy*)
- 61 **Plasmatic Neurofilament Light Chain as biomarker of cognitive and functional impairment in Neurocognitive Disorders**
ANDREA MARCINÒ, G. BRODINI, F. ROVETA, S. BOSCHI, E. PIELLA, A. CERMELLI, C. LOMBARDO, L. BONINO, I. RAINERO, E. RUBINO (*Turin, Italy*)
- 62 **Revised Criteria for Alzheimer's disease: implication on classification of Primary Progressive Aphasia**
VALENTINA MOSCHINI, C. MORINELLI, G. GIACOMUCCI, S. PADIGLIONI, C. CRUCITTI, G. GALDO, C. SENSI, S. M.R. TABBÌ, S. BAGNOLI, A. INGANNATO, B. NACMIAS, V. BESSI (*Florence, Italy*)
- 63 **Retrospective observational analysis of Early-Onset Alzheimer's Disease Patients: a single center case series.**
AKILESH BHUNJUN, R. BALESTRUCCI, E. PACUCCI, D. TOTARO, G. RUTA, M. RUGGIERI, D. PAOLICELLI, A. INTRONA (*Bari, Italy*)
- 64 **Distinguishing Subjective Cognitive Decline from Mild Cognitive Impairment in Clinical Practice**
SILVIA ANTONELLA SELVAGGI, F. MOTOLESE, D. NORATA, F. URSINI, E. SAPIO, F. CAPONE, I. ANZUINO, G. MASSA ROLANDINO, V. DI LAZZARO (*Rome, Milan, Italy*)
- 65 **Exploring Sleep in Subjective Cognitive Decline: From Questionnaires to PSG and Blood Biomarkers**
GIULIA REMOLI, F. POZZI, G. ISGRÒ, E. CONTI, S. ANDREONI, G. SALA, P. ZOIA, M. ORTIZ, F. SOLIVANI, L. TREMOLIZZO, I. APPOLLONIO, C. FERRARESE, C. LOMBARDI, A. ACERBI, F. VIARO, A. PIERONI, A. MENARDI, A. CAGNIN, E. BORTOLIN (*Milan, Monza, Padua, Italy*)

Poster Session

- 66 **Optimised MicroBCA assay enables sensitive protein quantification of Small Extracellular Vesicles in neurodegenerative diseases studies with a starting human plasma sample of 100µL**
MARINA DE DIEGO-OSABA, F. ANASTASI, P. ORTIZ-ROMERO, M. SUÁREZ-CALVET (*Barcelona, Spain, Amsterdam, Netherlands*)
- 67 **The lipid invasion model in Alzheimer's disease pathogenesis: insights from NPC-mutated patients and preliminary data on treatment with miglustat**
VALENTINA NIDIACI, D. LOPERGOLO, L. SACCHI, C. FENOGLIO, N. DE STEFANO, A. ARIGHI, A. MIGNARRI, I. APPOLLONIO, N. TICOZZI, V. SILANI, M. FILIPPI, F. AGOSTA, E. SARASSO, A. GRASSI, S. BASAIA, G. BONARDI, S. CARTA, S. MARIOTTO (*Siena, Milan, Genoa, Verona, Italy*)
- 68 **Sex-Related Differences in Brain Network Organization in ALS: A Graph Analysis Study**
FABIOLA FRERI, V. CASTELNOVO, E. CANU, S. BASAIA, E.G. SPINELLI, S. CADEMARTIRI, P. SCHITO, T. RUSSO, Y. FALZONE, F. VERDE, S. TORRE, B. POLETTI, L. TREMOLIZZO, I. APPOLLONIO, N. TICOZZI, V. SILANI, M. FILIPPI, F. AGOSTA (*Milan, Italy*)
- 69 **Hidden neuropsychological profiles in amyotrophic lateral sclerosis beyond standard cognitive screening**
ALICE RADICI, A. PANZAVOLTA, D. PAIN, C. LUNETTA, C. CERAMI (*Pavia, Milan, Italy*)
- 70 **Sex-related differences in brain structure and function across the frontotemporal degeneration spectrum**
ALESSANDRA BIANCHI, E. CANU, V. CASTELNOVO, V. MOSCHINI, M. COSSEDDU, B. CAMPIONE, S. BASAIA, E.G. SPINELLI, P. CAROPPO, S. PRIONI, C. VILLA, V. BESSI, B. BORRONI, M. FILIPPI, F. AGOSTA (*Milan, Italy*)
- 71 **Glymphatic impairment in GRN-mutated Frontotemporal Dementia: a distinct pathophysiological signature**
ILARIA BOTTALE, E. GIOELE SPINELLI, A. GHIRELLI, S. BASAIA, T. BATTANI, V. CASTELNOVO, E. CANU, G. CECCHETTI, F. CASO, G. MAGNANI, T. DOMI, L. POZZI, P. CARRERA, M. FILIPPI, F. AGOSTA (*Milan, Italy*)
- 72 **An Italian scale for motor speech disorders and their white matter correlates**
ANNAMARIA RIVA, E. CANU, L. LUMACA, V. CASTELNOVO, E. SIBILLA, C. TRIPODI, F. FRERI, T. GHISOLFI, E.G. SPINELLI, G. CECCHETTI, M.L. GORNO-TEMPINI, M. FILIPPI, F. AGOSTA (*Milan, Italy, San Francisco, California, USA*)
- 73 **Free-viewing Eye-tracking Biomarkers for Early and Differential Diagnosis of Dementia**
ALESSANDRO PETULLÀ, A. ZANGROSSI, L. REGINATO, F. MASCETTI, V. CARLUCCI, F. ROSSATO, D. FASOLATO, N. RAVI, A. ACERBI, G. FREDIANELLI, F. CORTELESSA, A. MAZZONETTO, C. BUSSÉ, S. MOZZETTA, M. CORBETTA, A. CAGNIN (*Padua, Italy*)

Poster Session

- 74 **Integrating Transcriptomics and Stepwise Functional Connectivity to map molecular vulnerability across the FTL clinical spectrum**
FRANCESCA ORLANDI, E. G. SPINELLI, A. GHIRELLI, S. BASAIA, V. CASTELNOVO, E. CANU, G. CECCHETTI, F. CASO, G. MAGNANI, T. DOMI, L. POZZI, P. CARRERA, M. FILIPPI, F. AGOSTA (*Milan, Italy*)
- 75 **Cognitive/behavioral impairment definition in ALS: an international survey on current methodologies and consensus criteria**
PILAR MARIA FERRARO, J. MACHTS, S. VIELHABER, F. CHRISTIDI, G. GARCIA ESCOBAR, M. RUBIO PEREZ, A. HERMAN, J. PRUDLO, M. SORIANI, V. BETTONI, L. DIAMANTI, C. MCHUTCHISON, E. FERRARI, M. FILOSTO, J. VÁZQUEZ-COSTA, M. HANCEVIC, E. BILIC, M. VAN ES, L. VAN DEN BERG, G. BRÄTHEN, K. SVENSTRUP, E. CANU, M. FILIPPI, J. MANDRIOLI, D. LULÉ, B. SALAK - ĐOKIĆ, Z. STEVIC, E. ZAMBA-PAPANICOLAOU, S. KADENŠEK, J. ZIDAR, F. TROJSI, I. JIMÉNEZ MARTIN, J. PARDO, F. DE MARCHI, L. MAZZINI, C. VOGT, M. WEBER, R. VON HEYNITZ, P. LINGOR, D. ZELLER, M. DAVIS, F. FISHER, J. DE VOCHT, P. VAN DAMME, K. SCHELLENBERG, K. ADAMS, S. KALRA, M. REGENSBURGER, J. WINKLER, C. SHOESMITH, N. HALL, M. BISGAARD HEINTZELMANN, P. ANDERSEN, P. CORCIA, E. MAYBERRY, P. SHAW, P. COURATIER, R. STEINBACH, S. SIMÃO, M. DE CARVALHO, C. O'CONNELL, S. CHHETRI, G. MATTE, S. DUCHARME, R. MASSIE, E. COSTELLO, O. HARDIMAN, P. LILLO, C. ALBERTYN, J. HECKMANN, E. KELLEY, D. SHIRILLA, S. GOUTMAN, N. JIANG, J. RUSSELL, G. HOUSEMAN, H. ILIEVA, R. CONNORS, F. THOMAS, S. SMITH, A. MALCOLM, S. YE, D. FAN, A. UCCELLI, F. RAO (*Genoa, Brescia, Pavia, Milan, Modena, Naples, Novara, Italy; Magdeburg, Rostock, Ulm, Munich, Würzburg, Erlangen, Jena, Germany; Athens Greece; Barcelona, Valencia, Santiago de Compostela, Spain; Nice, Tours, Limoges, France; Edinburgh, Sheffield, Preston, United Kingdom; Zagreb, Croatia; Utrecht, The Netherlands; Trondheim, Norway; Copenhagen, Aarhus, Denmark; Belgrade, Serbia; Nicosia, Cyprus; Ljubljana, Slovenia; St. Gallen, Switzerland; Melbourne, Australia; Leuven, Belgium; Saskatoon, Edmonton, London, Fredericton, Montréal, Canada; Umeå, Sweden; Lisbon, Portugal; Dublin, Ireland; Santiago, Chile; Cape Town, South Africa; Milwaukee, Ann Arbor, Birmingham, Charleston, Philadelphia, Paramus, St. Louis, United States, Beijing, China*)
- 76 **Cognitive profiles across neuromuscular disorders: extending the use of the Edinburgh Cognitive and Behavioral ALS Screen (ECAS) beyond ALS**
FRANCESCA ZORNI, P. FERRARO, E. MOLLAR, V. GUZZONE, V. BERGAMASCHI, F. RAO (*Genoa, Italy*)
- 77 **Neuropsychological and Neuropsychiatric Profiles in Frontotemporal Dementia: Comparing Sporadic Cases and MAPT, PGRN, and C9ORF72 Mutations**
FRANCESCO BRUNO, F. VOZZO, V. LAGANÀ, S. M. CURCIO, G. PUCCIO, F. FRANGIPANE, F. FERRISE, O. DE VITO, R. DI LORENZO, R. COLAO, A. C. BRUNI, R. MALETTA (*Rome, Pavia, Lamezia Terme, Italy*)

Poster Session

- 78 **First report of clinico-pathological features associated with TARDBP p.M311V mutation**
ALBERTO GRASSINI, J. PRUDLO, A. HERMANN, M. NEUMANN (*Tübingen, Rostock, Germany*)
- 79 **Longitudinal Symptoms Profile in Semantic Behavioural Variant of Frontotemporal dementia: a single-center experience**
ELEONORA PACUCCI, R. BALESTRUCCI, D. TOTARO, G. RUTA, A. BHUNJUN, D. PAOLICELLI, A. INTRONA (*Bari, Italy*)
- 80 **Frontotemporal dementia with C9orf72 mutation presenting with bizarre psychosis and right flail leg syndrome**
ALICE MAZZONETTO, G. PIGATO, C. BUSSÉ, D. CECCHIN, S. MOZZETTA, M. CORBETTA, A. CAGNIN, G. GIACOMUCCI, V. MOSCHINI, C. CRUCITTI, S. PADIGLIONI, C. MORINELLI, G. GALDO, S. TABBÌ, S. BAGNOLI, A. INGANNATO, B. NACMIAS (*Padua, Florence, Italy*)
- 81 **Neuropsychological and Volumetric features of Subjective Cognitive Decline Along the Alzheimer's Disease Spectrum**
SABRINA BONAROTA, F. TAMIGI, G. CARUSO, C. DI DOMENICO, S. SPERATI, M. DE SIMONE, F. DI LORENZO, F. RICCI, G. KOCH, F. GIOVE, C. CALTAGIRONE, M. BOZZALI, L. SERRA (*Rome, Turin, Italy*)
- 82 **Alterations of amygdala volume and functional connectivity and gait changes in Parkinson's disease subjects with freezing of gait**
ANDREA GARDONI, E. SARASSO, A. GRASSI, S. BASAIA, G. BONARDI, S. CARTA, S. MARIOTTO, I. DI VICO, E. MANTOVANI, E. CANU, M. BRESSAN, V. CASTELNOVO, E. SIBILLA, C. TRIPODI, F. FRERI, R. BALESTRINO, M. TRENTINAGLIA, F. MAFFEI, V. CHIODEGA, S. TABURIN, M.A. VOLONTÈ, M. TINAZZI, M. FILIPPI, F. AGOSTA (*Milan, Genoa, Verona, Italy*)
- 83 **Functional MRI-informed EEG identification of active cortical regions in a silent naming task**
LUCA ZANCHI, J. LANZONE, S. BASAIA, L. LUMACA, A. RIVA, M. CURSI, E. CANU, F. AGOSTA, M. FILIPPI (*Milan, Italy*)
- 84 **Clinical-MRI Correlates in Creutzfeldt-Jakob Disease: A Retrospective Cohort Study from San Raffaele Hospital**
MATTEO ZAVARELLA, F. CASO, S. BASAIA, S. F. CALLONI, G. MAGNANI, A. DIENA, A. FALINI, N. ANZALONE, F. AGOSTA, M. FILIPPI (*Milan, Italy*)
- 85 **A Rapidly Evolving Corticobasal Syndrome Unmasking Moyamoya Disease**
MYRIAM RUBBIO, L. PARRULLI, C. ESPOSTO, F. LUISI, T. TARANTINO, M. PETRUZZELLIS, G. DEFAZIO, S. LAMBERTI, D.M. MEZZAPESA, G. MILELLA, G. FALCICCHIO (*Bari, Italy*)
- 86 **Hippocampal Degeneration and WMH Burden: Insights into Early Alzheimer's Disease**
CHIARA ESPOSTO, L. PARRULLI, F. LUISI, A. GIOTTA, T. TARANTINO, S. LAMBERTI, M. PETRUZZELLIS, G. DEFAZIO, D. MEZZAPESA (*Bari, Italy*)

Poster Session

- 87 **Altered Functional Connectivity in Sensorimotor, Emotional, and Cognitive Networks and Changes of Cerebellar Volumes in Functional Movement Disorders**
ANDREA GARDONI, E. SARASSO, M. GANDOLFI, S. BASAIA, E. CANU, E. SIBILLA, C. TRIPODI, A. SANDRI, I.A. DI VICO, M. FIORIO, G. PEDROTTI, A. PAOLICELLI, P. BARONE, M.T. PELLECCIA, R. ERRO, S. CUOCO, I. CAROTENUTO, C. VINCIGUERRA, A. BOTTO, M. AMBONI, M. RUSSO, G. MANSUETO, E.B. PIZZINI, M. BARILLARI, M.F. LAURIOLA, M.C. TOZZI, F. RUSCIANO, C. GEROIN, M. FASOLI, A. MAROTTA, E. PIZZOLLA, F. SALAORNI, I. LOZZI, F. BOMBIERI, G.M. SQUINTANI, S. MARIOTTO, S. TAMBURIN, F. PAIO, G. DE BIASI, G. PISCOSQUITO, M. TINAZZI, M. FILIPPI, F. AGOSTA (*Verona, Salerno, Milan, Genoa, Naples Italy*)
- 88 **Eliminating Sex Bias in the Lawton IADL Scale: Validation of a Corrected Scoring Method in an Italian Cohort of Patients with Dementia**
FRANCESCO BRUNO, F. VOZZO, V. LAGANA, S. M. CURCIO, G. PUCCIO, F. FRANGIPANE, F. FERRISE, O. DE VITO, R. DI LORENZO, R. MALETTA, A.C. BRUNI, R. COLAO (*Rome, Pavia, Lamezia Terme, Italy*)
- 89 **Associations between the severity of Cognitive Fluctuations and Visual Hallucinations in Dementia with Lewy Bodies**
GUIDO GRECO, M. POLI, E.L. GINEVRA, C. CARRESE, C. MOTTA, A. MARTORANA, C.G. BONOMI (*Rome, Italy*)
- 90 **Comparison between Traditional Neuropsychological Assessment and Computerized CANTAB Battery in Mild Cognitive Impairment: Data from the AI-MIND Project**
CARMEN DE CARO, G.M. GIUFFRÉ, L. TITTI, N. CARAGLIA, F. VECCHIO, P.M. ROSINI, C. MARRA (*Rome, Italy*)
- 91 **Empathy changes along time in Subjective Cognitive Decline and Mild Cognitive Impairment: a new neuropsychological biomarker for Alzheimer's Disease?**
CHIARA SENSI, G. GIACOMUCCI, V. MOSCHINI, C. CRUCITTI, S. PADIGLIONI, C. MORINELLI, G. GALDO, S.M.R. TABBÌ, S. BAGNOLI, A. INGANNATO, B. NACMIAS, V. BERTI, V. BESSI (*Florence, Italy*)
- 92 **Decision making under ambiguity associates with mesial temporal lobe thickness in Subjective Cognitive Decline individuals**
FEDERICO MARIA TAMIGI, S. BONAROTA, G. CARUSO, C. DI DOMENICO, S. SPERATI, C. CALTAGIRONE, M. BOZZALI, L. SERRA (*Rome, Turin, Italy*)
- 93 **Does metacognition interfere with memory performance in individuals with SCD?**
SOFIA SPERATI, S. BONAROTA, G. CARUSO, F. TAMIGI, C. DI DOMENICO, F. DI LORENZO, F. RICCI, G. KOCH, C. CALTAGIRONE, M. BOZZALI, L. SERRA (*Rome, Ferrara, Turin, Italy*)
- 94 **What do we know about post-stroke social cognition impairments? A systematic review of evidence across core sub-domains**
MASSIMO FAVARO, A. PANZAVOLTA, C. CERAMI (*Pavia, Italy*)

Poster Session

- 95 **Lifespan Trajectories of Leisure Activities in Healthy and Pathological Aging**
FEDERICO MARIA TAMIGI, S. BONAROTA, G. CARUSO, S. SPERATI, C. DI DOMENICO,
M. RIZZUTI, F. DI LORENZO, F. RICCI, G. KOCH, C. CALTAGIRONE, F. GIOVE, M.
BOZZALI, L. SERRA (*Rome, Ferrara, Turin, Italy*)
- 96 **“Doing Less but Not Knowing It”: Unawareness of Apathy in Mild Cognitive Impairment**
GIULIA CARUSO, S. BONAROTA, C. DI DOMENICO, C. CALTAGIRONE, M. BOZZALI,
L. SERRA (*Rome, Turin, Italy*)
- 97 **Early-Onset Alzheimer's Disease in a Patient With Mosaic Trisomy 21**
DOMENICO FUSCO, A. SCALESE, G.M GIUFFRÉ, N. CARAGLIA, F. DONNARUMMA, C.
MARRA, D. QUARANTA (*Rome, Italy*)
- 98 **Italian Study on the Prevention of functional and cognitive decline in the Older Community-Dwelling Population: Cross Sectional Data of the In-Tempo Sicilia Orientale Cohort (In-Tempo-So)**
CALOGERO EDOARDO CICERO, G. FAZZINA, G. STRANO, C. RASCUNÀ, V. SPOTO, E.
CHISARI, C. TERRAVECCHIA, G. DONZUSO, A. DI GREGORIO, A. NICOLETTI, E. CI-
CERO (*Catania, Italy*)





General informations

Congress Venue

Accademia Cusano
Piazza Seminario, 2
39042 Bressanone (BZ)
Tel. 0039 0472 832204
www.cusanus.bz.it

Organizing Secretariat

Siena Congress
Via del Rastrello, 7 – 53100 Siena
Tel. 0577 286003
e.mail: info@sienacongress.it

- Official language will be English

Supported by

FUJIREBIO ITALIA srl
NEOPHARMED GENTILI spa
PIAM FARMACEUTICI spa

Sindem
Associazione Autonoma Aderente
alla SIN per le Demenze

Airalzh
alla Ricerca di un domani senza Alzheimer



