

↪ ABSTRACT BOOK

AriSLA Meeting 2019

*10 years together, concrete alliance
for new research perspectives:
Real hope for a future without ALS*



and Integrative Biology (CIBIO), University of Trento, Trento, Italy; (6) Laboratory of Metabolism of Cell Growth and Neuronal Survival, Department of Cellular, Computational and Integrative Biology (CIBIO), University of Trento, Trento, Italy; (7) Institute of Biophysics, CNR Unit at Trento, Trento, Italy

P6. AxRibALS - Axonal translational models of Amyotrophic Lateral Sclerosis

Researchers

Fabio Lauria (1), Marta Marchioretto (1), Alessandra Pisciottoni (2), Federica Maniscalco (1), Laura Croci (2), Aurora Badaloni (2), Toma Tebaldi (3), Renato Arnese (1), Gian Giacomo Consalez (2,4), Gabriella Viero (1)

Institutes

(1) Institute of Biophysics, CNR Unit of Trento, Trento, Italy; (2) Division of Neuroscience; San Raffaele Scientific Institute, Milano, Italy; (3) Yale Cancer Center, Yale University School of Medicine, New Haven, USA; (4) Università Vita-Salute San Raffaele, Milano, Italy

P7. FUS-dependent phase separation initiates double strand break repair

Researchers

Marco Antonaci, Brunno R. Levone, Silvia C. Lenzken, Francesca Conte, Çise Kızılırmak, Fabio Biella, Marc-D. Ruepp, Silvia M. L. Barabino

Institute

Università degli Studi di Milano-Bicocca

P8. DDRNALS, DNA damage response defects in cells with TDP-43 and FUS cytoplasmic inclusions

Researchers

Brandi O (1), Farina S (1,2), Gioia U (3), Riva N (4), Delia D (3), Cancellieri C (3), Pansarasa O (5), Cereda C (5), d'Adda di Fagagna F (1,3), Francia S (1,3)

Institutes

(1) Institute of Molecular Genetics (IGM-CNR), Pavia, Italy; (2) University School for Advanced Studies (IUSS), Pavia, Italy; (3) IFOM – FIRCC Institute of Molecular Oncology, Milan, Italy; (4) Department of Neurology-INSPE, San Raffaele Scientific Institute, Milan, Italy; (5) Genomic and post-Genomic Center, IRCCS Mondino Foundation, Pavia, Italy

P9. SPLICEALS - Dissecting the functional interaction between FUS and hnRNP a2/b1 in the pathogenesis of ALS

Researchers

Sirmona Rossi (1), Savina Apolloni (2), Michela Di Salvio (3,4), Eleonora Mammarella (2), Martina Milani (2), Ylenia Antonuccia (2), Assia De Simone (2), Serena

Lattante (5,6), Mario Sabatelli (6,7), Gianluca Cestra (3,4), Nadia D'Ambrosi (2), Mauro Cozzolino (1)

Institutes

(1) Istituto di Farmacologia Traslazionale, CNR, Roma; (2) Dipartimento di Biologia, Università "Tor Vergata", Roma; (3) Istituto di Biologia e Patologia Molecolari, Roma; (4) Dipartimento di Biologia e Biotecnologia "Charles Darwin", Università "Sapienza", Roma; (5) Fondazione Policlinico Universitario A. Gemelli IRCCS, Roma; (6) Università Cattolica del Sacro Cuore, Roma; (7) Centro Clinico NEMO, Roma

P10. PathensTDP, Defining the role of hnRNP proteins in enhancing TDP-43 pathology

Researchers

Sara Cappelli (1), Maurizio Romano (2), Alida Spalloni (3), Patrizia Longone (3), Emanuele Buratti (1)

Institutes

(1) Molecular Pathology, International Centre for Genetic Engineering and Biotechnology, Trieste, Italy; (2) Department of Life Sciences, University of Trieste, Trieste, Italy; (3) Molecular Neurobiology, Fondazione Santa Lucia IRCCS, Rome, Italy

P11. RAN translated C9ORF72 arginine rich poly-dipeptides alter gene transcription in ALS/FTD cell model

Researchers

Cristofani R (1), Grilli A (2), Giulia V (1), Licata NV (3), Crippa V (1), Cicardi ME (4), Rusmini P (1), Tedesco B (1), Ferrari V (1), Casarotto E (1), Chierichetti M (1), Galbiati M (1), Carra S (2), Bicciato S (2), Provenzano A (3), Poletti A (1)

Institutes

(1) Dipartimento di Scienze Farmacologiche e Biomolecolari (DiSFeB), Centro di Eccellenza sulle Malattie Neurodegenerative, Università degli Studi di Milano, Milano, Italy; (2) Dipartimento di Scienze Biomediche, Metaboliche e Neuroscienze, Università degli Studi di Modena e Reggio Emilia, Modena, Italy; (3) Laboratory of Experimental Neurobiology, Department of Cellular, Computational and Integrative Biology (CIBIO), Università degli Studi di Trento, Trento, Italy; (4) Department of Neuroscience, Sidney Kimmel Medical College, Jefferson University Philadelphia, USA

P12. An aberrant interplay between RNA-binding proteins in Amyotrophic Lateral Sclerosis

Researchers

Maria Giovanna Garone (1), Riccardo De Santis (1,2), Vincenzo Alfano (1), Alessio Colantoni (1), Valeria de Turris (2), Maria Rosito (2), Nicol Birsà (3), Clarissa Braccia (2), Beatrice Salvatori (2), Emanuel Wyler (4), Giuseppe Antonacci (2), Andrea Armirotti (2),