Parkinson Frontiers: focus on GBA1

Trento, March 19th–21st 2026

Seminar – March 19th 2026

Course – March 20th – 21st 2026

The third edition of PD Frontiers focuses on Parkinson's disease associated with GBA1 gene mutations—one of the most dynamic and promising areas in modern neurology. The decision to dedicate the course to GBA1-related Parkinson's disease reflects the strategic importance of this subgroup. Variants of the GBA1 gene represent the most common genetic risk factor for Parkinson's disease, found in a significant proportion of patients (5-15%, reaching up to 25% in specific cohorts). Beyond its epidemiological relevance, this form stands out for its unique clinical and prognostic characteristics, which call for a dedicated diagnostic and therapeutic approach. Recent evidence on pathogenic mechanisms including lysosomal dysfunction, α-synuclein accumulation, oxidative stress, and mitochondrial deficits-has opened new therapeutic avenues that are now the focus of numerous advanced-stage clinical trials. The scientific value of the course is ensured by the participation of leading national and international experts in genetics, neurobiology, and innovative therapies for GBA1-related Parkinson's disease. Featuring both national and international lecturers, the seminar and the course offer participants a unique opportunity for up-to-date learning, critical discussion, and sharing of the latest scientific evidence. This highly stimulating environment promotes dialogue among experts from complementary disciplines, helping to build a truly global scientific community dedicated to advancing knowledge and improving care for GBA1-related Parkinson's disease.

Scientific committee

Maria Chiara Malaguti, *Department of Neurology Asuit, Santa Chiara Hospital, Trento, Italy. Coordinator of the Parkinson's Clinical Network, Asuit Trento, Italy*

Alessio Di Fonzo, *IRCCS Foundation Ca' Granda Ospedale Maggiore Policlinico, Dino Ferrari Center, Neuroscience Section, Department of Pathophysiology and Transplantation, University of Milan, Italy*

Massimo Marano, *Unit of Neurology, Neurophysiology, Neurobiology and Psychiatry, Department of Medicine, Università Campus Bio-Medico di Roma, Rome, Italy. Fondazione Policlinico Universitario Campus Bio-Medico, Rome, Italy*

Donatella Ottaviani, *Department of Neurology Asuit Trento, Santa Maria del Carmine Hospital, Rovereto, Italy*

Carmela Zizzo, *Institute for Biomedical Research and Innovation (IRIB), National Research Council (CNR), Palermo, Italy*

Course directors

Maria Chiara Malaguti

Alessio Di Fonzo

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