

BRAINTEASER Mid Term Workshop

Data science and artificial intelligence for supporting the care and cure of amyotrophic lateral sclerosis and multiple sclerosis patients

28th February 2023 – 09:30 -12:00 CET

University of Padua

*University of Padua Botanical Garden – Auditorium
via Orto Botanico,15, 35123 Padova*

[BRAINTEASER](#) is a data science project that seeks to exploit the value of large clinical datasets integrated with personal and environmental data collected through low-cost sensors, to develop AI-based clinical software and mobile apps to support patients with amyotrophic lateral sclerosis and multiple sclerosis and their clinicians.

The meeting is an important opportunity to share with a wider audience

the first results achieved by the project through a multidisciplinary approach implemented during the last 2 years, to discuss the most relevant issues of the models and technology put in place, highlighting future opportunities and challenges.

The organization of this event comes at the end of the first phase of the project and will serve as a basis to launch the second phase or “pilot phase” that will focus on transforming the current health approach from a reactive to a predictive system focused on risk prediction, patient stratification and prognosis.

The workshop will also serve as a place for reflection on the importance of transformative research, with a view to identifying the opportunities that arise from the National Plan for Recovery and Resilience and the related strategic lines of use of the funds envisaged by the Next Generation EU Programme.

The event, that can be also attended online, will be held in the prestigious location of the University of Padua Botanical Garden.

Since 1997 the Botanical Garden has been part of the UNESCO World Heritage List as a cultural landmark. The listing was justified by UNESCO on the following grounds: *“The Botanical Garden of Padua is the original of all botanical gardens throughout the world, and represents the birth of science, of scientific exchanges, and understanding of the relationship between nature and culture. It has made a profound contribution to the development of many modern scientific disciplines, notably botany, medicine, chemistry, ecology, and pharmacy”*.

You can register [here](#) to join the event **online**, but if you wish to join us in **presence** please click [here](#)

Programme

09:30	Participants' registration and welcome coffee
10:00	Welcome and a glance on the Mission 6 of the National Recovery and Resilience Plan devoted to the Health sector Dr. Fabrizio Cobis – Director of Office II « Incentives and support for the competitiveness of the private production system and public/private cooperation at national level » - Directorate-General for Research, Italian Ministry for University and Research
10:15	The University of Padua commitment in the EU and international collaborative research Prof. Fabio Zwirner – Prorector for Research, University of Padua
10:30	The challenges and BRAINTEASER approach Prof. Maria Fernanda Cabrera – BRAINTEASER Coordinator, Universidad Politécnica de Madrid, LifeSTech
10:45	BRAINTEASER clinical perspective and pilots' action Mamede de Carvalho – Instituto de Medicina Molecular Joao Lobo Antunes; Adriano Chio' - University of Turin, Department of Neurosciences "Rita Levi Montalcini"
11:15	BRAINTEASER Demo Vladimir Urosevic – Belit d.o.o.; Sergio Gonzalez - Universidad Politécnica de Madrid, LifeSTech
11:45	Q&A Closing remarks and the way forward Prof. Barbara Di Camillo - BRAINTEASER Scientific and Technical Manager, University of Padova