



Fondazione EBRI
Rita Levi-Montalcini Institute



MADiA
MAGnetic DIagnostic Assay
for neurodegenerative diseases

Magnetic DIagnostic Assay for neurodegenerative diseases
Horizon 2020 research and innovation programme
Grant agreement No 732678

MADiA Workshop title:

Neurodegenerative disorders: the challenge of early diagnosis

**Aula Odeion, Dipartimento Scienze dell'Antichità
(CU003, Sapienza University) Roma, January 19, 2018**

8:30 -9:30 Registration, please register on-line at:

<http://79.1.160.237/Login.asp?IDcommessa=S18013&Lang=IT>
ECM credits are available.

09:30 - 09:40 – Welcome address
Introduction - **Mara D'Onofrio**, EBRI, Roma

Session I: Epidemiology and Clinics

Chair: Pietro Calissano, Fabrizio Stocchi

09:40-10:00 - Epidemiology and burden of Neurodegenerative Disorders
Giancarlo Logroscino, Università di Bari

10:00-10:20 – The diagnosis of Parkinson's disease



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Alfredo Berardelli, Università Sapienza, Roma

10:20-10:40 - Alzheimer's Disease: current status and future perspectives

Sandro Sorbi, Università di Firenze

10:40-11:10 **Coffee break**

Session II:

Addressing open questions in biomarkers for early diagnosis

Chair: Francisco Campos, Lucilla Parnetti, Fabio Blandini

11:10-11:30 – Early diagnosis of Neurodegenerative diseases

Lucilla Parnetti, Università di Perugia

11:30-11:50 – Contribution of Neuroimaging in the early diagnosis and pathophysiology of Parkinson's Disease

Alessandro Tessitore, Università di Napoli

11:50-12:10 – Periphery biomarkers in Neurodegenerative diseases: saliva as a promising source

Giorgio Vivacqua, Università Sapienza, Roma; University of Cambridge, England

12:10-12:30 – Experimental models

Fabio Blandini, IRCCS Mondino, Pavia

12:30-12:50 – Challenging the diagnostic limits by magnetic lab on a chip assay

Alek Dediu, CNR-ISMN, Bologna

12:50-13:30 **Discussion**

13:30-14:30 **Lunch**

Session III: Therapeutics for Patients and Patient prospects

Chair: Alfredo Berardelli, Sandro Sorbi



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14:30-14:50 - Therapeutics for Parkinson's disease

Fabrizio Stocchi, IRCCS San Raffaele Pisana, Roma

14:50-15:10 - Therapeutics for Alzheimer's disease

Giuseppe Bruno, Università Sapienza, Roma

15:10-15:30 – Long term assistance: From care to cure

Rosa Liperoti, Università Cattolica del Sacro Cuore (UCSC),
Agostino Gemelli University Hospital, Roma

15:30 – 16:30 – **Discussion**

16:30 – 16:45 – **Concluding remarks**

Under the patronage of:



Chairpersons and speakers:

Berardelli Alfredo: Full Professor of Neurology at the Department of Neurology and Psychiatry, Sapienza University, Roma, Italy.

Director of the Unit Operativa Complessa di Neurologia, of the DAI Neurosciences and mental Health, Director of the Residency of Neurology, Sapienza University, Roma, Italy.

Blandini Fabio: Scientific Director,
C. Mondino National Neurological Institute (IRCCS), Pavia, Italy.



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Bruno Giuseppe: Senior Medical Staff at the Neurology Unit (Policlinico Umberto I, Roma) and Associate Professor in Neurology.

Head of the UVA section for the pharmacological treatment of Alzheimer's disease.

Department of Neurology and Psychiatry, Sapienza University, Roma, Italy.

Calissano Pietro: President, European Brain Research Institute (EBRI) Rita Levi-Montalcini, Roma, Italy.

Campos Francisco: Independent Group Leader - Instituto de Salud Carlos III. Clinical Neurosciences Research Laboratory. Health Research Institute of Santiago de Compostela (IDIS). Clinical University Hospital (CHUS), SERGAS.

Dediu Alek: Leader of the group "Magnetic Nanostructures for Spintronics and Nanomedicine" Institute of Nanostructured Materials ISMN-CNR, Bologna, Italy.
Coordinator of the MADIA project.

D'Onofrio Mara: Head of the Genomics Laboratory, European Brain Research Institute (EBRI) 'Rita Levi-Montalcini', Roma, Italy.

Liperoti Rosa: Assistant professor of Geriatrics
Chief geriatrician Memory clinic,
Department of Geriatrics, Neuroscience and Orthopedics,
Università Cattolica del Sacro Cuore (UCSC), Roma, Italy.

Logroscino Giancarlo: Director of the Department of Neurology and Neurodegenerative diseases, Tricase, University of Bari.
Professor of Neurology at the University of Bari, Italy.



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Parnetti Lucilla: Head of the Center for Memory Disturbances, Neurology section, Neurology Clinic, Professor SSD MED/09 and Vice Director of the Neurology school at the University of Perugia, Italy.

Sorbi Sandro: Director of the Department of Neurological and Psychiatric Sciences.
Full Professor of Neurology.
University of Florence, Italy.

Stocchi Fabrizio: Director of the research centre for Parkinson's disease and movement disorders.
Institute of Neurology, IRCCS San Raffaele Pisana, Roma, Italy.
Full Professor of Neurology, MED/26 Neurology.
Università Telematica San Raffaele, Roma, Italy.

Tessitore Alessandro: Associate Professor of Neurology.
First Division of Neurology, University of Campania, Luigi Vanvitelli.
Department of Medical, Surgical, Neurological, Metabolic and Aging Sciences,
Second University of Naples, Italy.

Vivacqua Giorgio: Department of Neurology and Psychiatry, Sapienza University, Roma, Italy.
Visitor Researcher at the Department of Clinical Neurosciences, University of Cambridge, England.