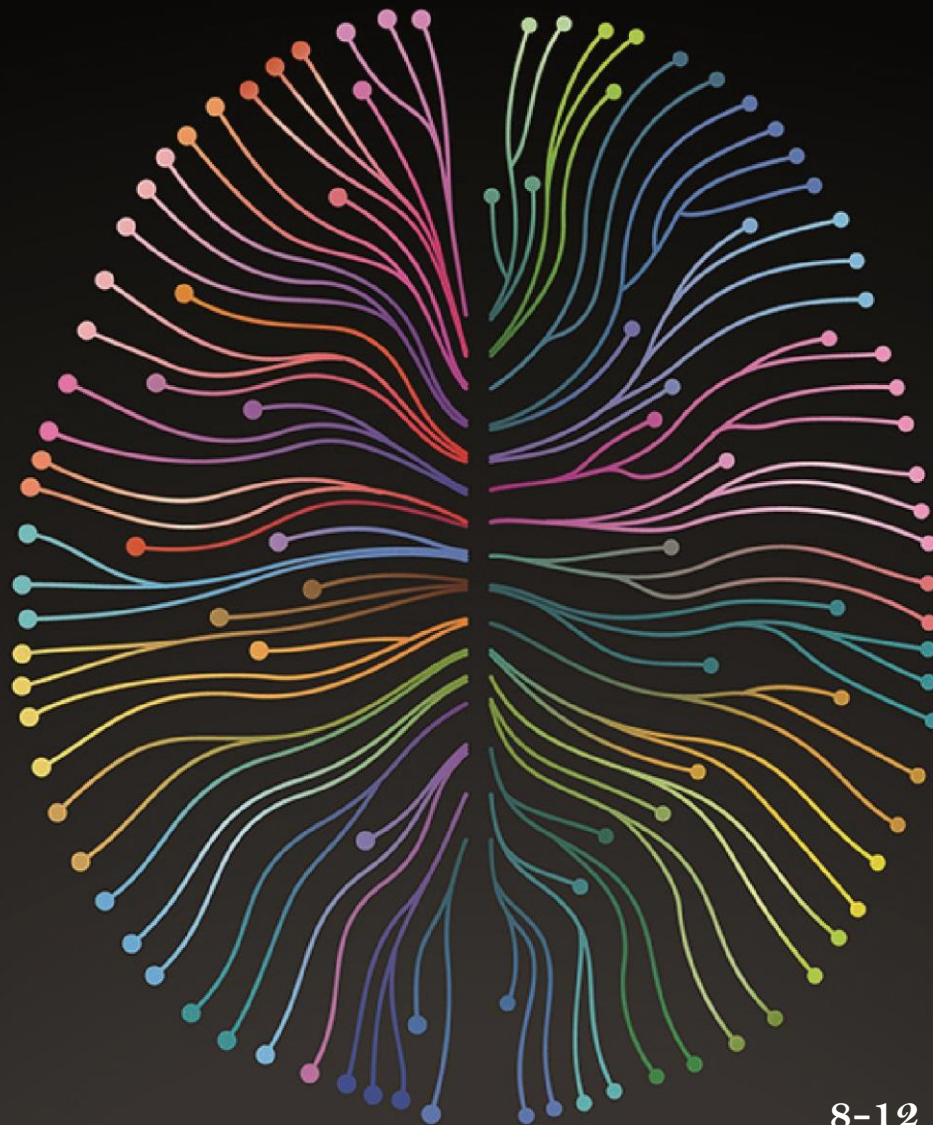


*Converging pathways in Alzheimer  
and Parkinson's disease: management strategies  
and disease modifying treatment*



8-12 settembre 2020  
Summer School Health and Wealth  
WEB Seminars

## FACULTY

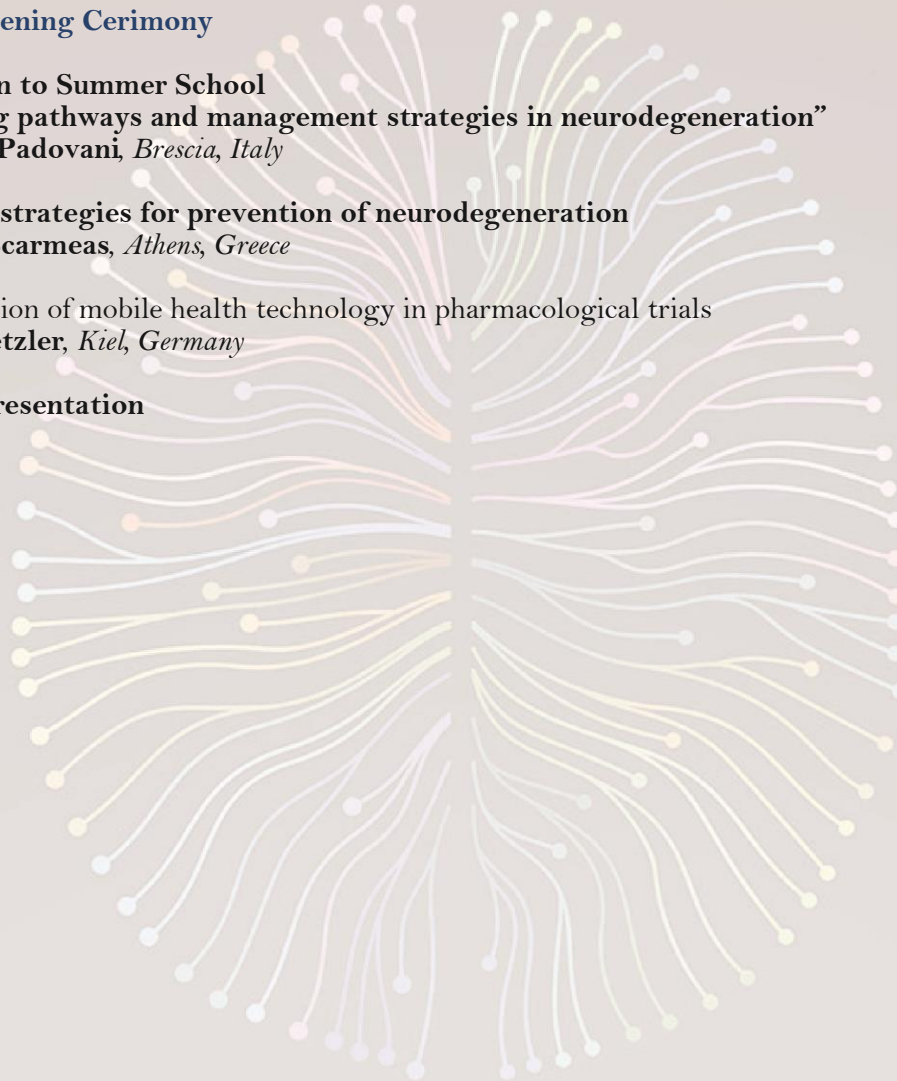
<b>Angelo Antonini</b>	University of Padua, Italy
<b>Alberto Benussi</b>	University of Brescia, Italy
<b>Anna Maria Cattaneo</b>	IRCCS Fatebenefratelli Brescia, Italy
<b>Emanuele Cereda</b>	IRCCS San Matteo, Pavia, Italy
<b>Joaquim Ferreira</b>	University of Lisbon, Portugal
<b>Laura Fratiglioni</b>	Karolinska Institute, Solna, Sweden
<b>Giovanni Frisoni</b>	University of Geneva, Switzerland/Brescia, Italy
<b>Giacomo Koch</b>	Santa Lucia Foundation, Rome, Italy
<b>Afina W. Lemstra</b>	Amsterdam VUMC, Netherlands
<b>Giancarlo Logroscino</b>	University of Bari, Italy
<b>Walter Maetzler</b>	University of Kiel, Germany
<b>Alastair Noyce</b>	University College London, United Kingdom
<b>Alessandro Padovani</b>	University of Brescia, Italy
<b>Andrea Pilotto</b>	University of Brescia, Italy
<b>Ralf Reilmann</b>	George Huntington Institute, Münster, Germany
<b>Nikolaus Scarmeas</b>	University of Athens, Greece
<b>Fabrizio Stocchi</b>	IRCCS San Raffaele Pisana, Rome, Italy



**Tuesday, September 8<sup>th</sup> 2020**

**4.00 pm-6.00 pm Opening Cerimony**

- 4.00 pm **Introduction to Summer School**  
**“Converging pathways and management strategies in neurodegeneration”**  
**Alessandro Padovani, *Brescia, Italy***
- 4.30 pm **Nutritional strategies for prevention of neurodegeneration**  
**Nikolaous Scarmeas, *Athens, Greece***
- 5.00 pm **Implementation of mobile health technology in pharmacological trials**  
**Walter Maetzler, *Kiel, Germany***
- 5.30 pm **Welcome presentation**



# Wednesday, September 9<sup>th</sup> 2020

## 9.00 am-11.00 am Risk factors and prevention strategies

9.00 am **Epidemiology of Alzheimer and Parkinson's disease**  
Giancarlo Logroscino, *Bari, Italy*

10.00 am **Multidimensional prevention strategies for dementia**  
Laura Fratiglioni, *Solna, Sweden*

*Open Discussion*

## 2.00 pm-4.00 pm Hands-on

2.00 pm **Prodromal Parkinson's disease: from detection to life-style prevention strategies**  
Alastair Noyce, *London, UK*

3.00 pm **Nutrients implementation in AD and PD: a converging pathway?**  
Emanuele Cereda, *Pavia, Italy*

## 4.30 pm-5.30 pm Faculty-all and students discussion in small groups

**Group 1: High-risk population identification**  
Giancarlo Logroscino, *Bari, Italy* - Alessandro Padovani, *Brescia, Italy*

**Group 2: Trial design**  
Laura Fratiglioni, *Solna, Sweden* - Emanuele Cereda, *Pavia, Italy*

**Group 3: Outcome measures in AD and PD**  
Alastair Noyce, *London, UK* - Andrea Pilotto, *Brescia, Italy*

## 5.30 pm-6.00 pm Keynote – today and tomorrow

**Microbiome and inflammation: common target in neurodegeneration?**  
Anna Maria Cattaneo, *Brescia, Italy*  
*Discussant: Alessandro Padovani, Brescia, Italy*

# Thursday, September 10<sup>th</sup> 2020

## 9.00 am-11.00 am Disease-modifying treatments

9.00 am **Methodology issues in preclinical and early intervention trials**  
Joaquim Ferreira, *Lisbon, Portugal*

10.00 am **Disease modifying therapies in Alzheimer disease**  
Alessandro Padovani, *Brescia, Italy*

*Open Discussion*

## 2.00 pm-4.00 pm Hands-on

2.00 pm **Disease modifying therapies in alpha-synucleinopathies**  
Fabrizio Stocchi, *Rome, Italy*

3.00 pm **Quantifying interventions: what can we learn from Huntington disease?**  
Ralf Reilmann, *Münster, Germany*

## 4.30 pm - 5.30 pm Faculty-all and students discussion in small groups

**Group 1: Mobile technology/ Q- motor assessment**  
Andrea Pilotto, *Brescia, Italy*- Ralf Reilmann, *Münster, Germany*

**Group 2: Trial design**  
Joaquim Ferreira, *Lisbon, Portugal*- Fabrizio Stocchi, *Rome, Italy*

**Group 3: Outcomes for Disease modifying trials**  
Alessandro Padovani *Brescia, Italy*

## 5.30 pm-6.00 pm Keynote – today and tomorrow

**New digital outcomes in neurodegenerative diseases**  
Andrea Pilotto, *Brescia, Italy*  
*Discussant: Ralf Reilmann, Münster, Germany*

**Friday, September 11<sup>th</sup> 2020**

**9.00 am-11.00 am The Clinical Management of Alzheimer Disease and of Parkinson Disease in Clinical Settings**

9.00 am **Pharmacological Management of Alzheimer Disease across clinical stages**  
**Alessandro Padovani**, *Brescia, Italy*

10.00 am **The treatment of Motor symptoms in Parkinson's disease**  
**Angelo Antonini**, *Padua, Italy*

*Open Discussion*

**2.00 pm-4.00 pm Hands-on**

2.00 pm **Mood and behavioral disturbances: therapeutic strategies in AD and PD**  
**Afina W. Leemstra**, *Amsterdam, Netherlands*

3.00 pm **Innovative strategies for AD and PD: what's next?**  
**Giovanni Frisoni**, *Geneva, Switzerland/Brescia, Italy*

**4.30 pm - 5.30 pm Faculty-all and students discussion in small groups**

**Group 1: Movement disorder clinical cases**  
**Angelo Antonini**, *Padua, Italy* - **Andrea Pilotto**, *Brescia, Italy*

**Group 2: Management of cognitive disturbances: clinical cases**  
**Alessandro Padovani**, *Brescia, Italy* - **Giovanni Frisoni**, *Geneva, Switzerland/Brescia, Italy*

**Group 3: Management of BPSD in MCI and Dementia**  
**Afina W. Leemstra**, *Amsterdam, Netherlands* - **Alberto Benussi**, *Brescia, Italy*

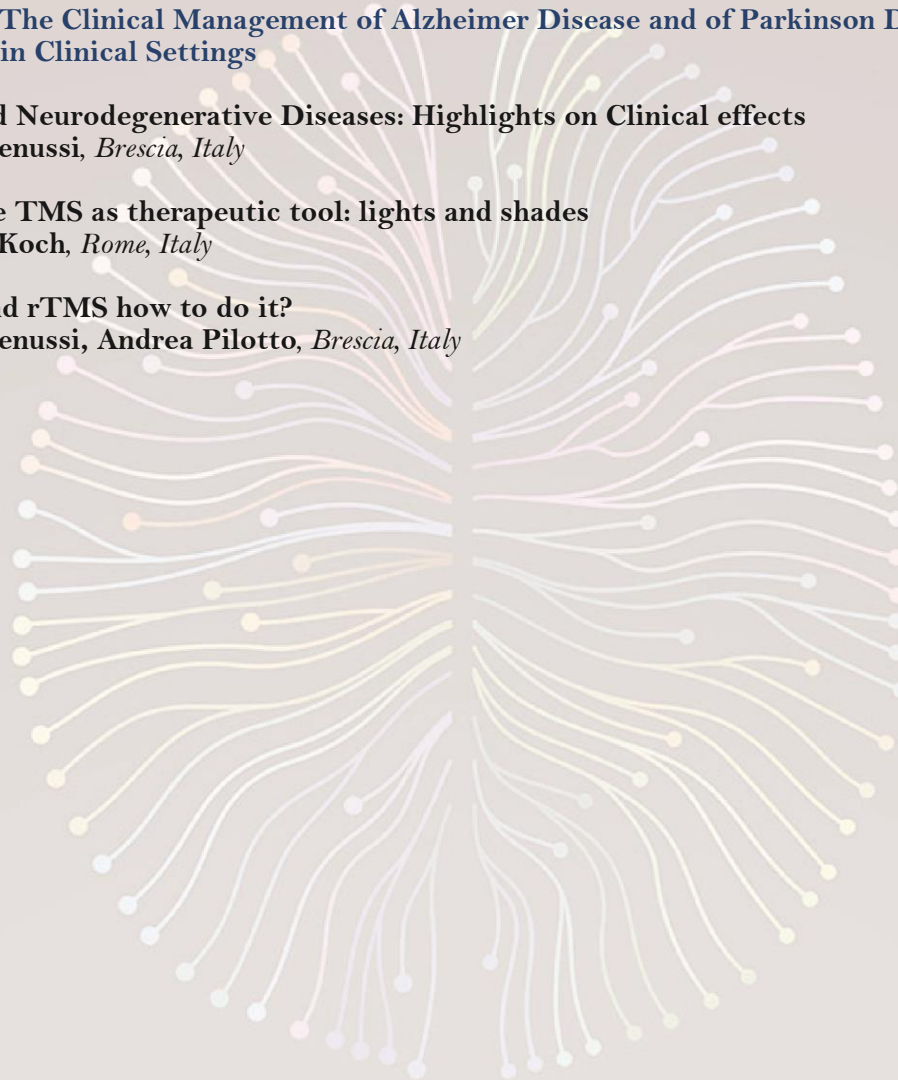
**Saturday, September 12<sup>th</sup> 2020**

**9.00 am-12.00 am The Clinical Management of Alzheimer Disease and of Parkinson Disease  
in Clinical Settings**

9.00 am **TDCS and Neurodegenerative Diseases: Highlights on Clinical effects**  
**Alberto Benussi, *Brescia, Italy***

10.00 am **Repetitive TMS as therapeutic tool: lights and shades**  
**Giacomo Koch, *Rome, Italy***

11.00 am **TDCS- and rTMS how to do it?**  
**Alberto Benussi, *Andrea Pilotto, Brescia, Italy***



## RATIONALE

### Educational need

The management strategies of patients affected by neurodegenerative disease need a deep expertise in clinical and imaging assessment. New biological markers and imaging techniques enable the assessment of neurotransmission pathways and neurodegenerative alterations in the brain and could thus be used as target of newly developed disease-modifying therapies.

### Course Description

The Summer School “Converging pathways in Alzheimer and Parkinson disease: management strategies and disease modifying treatments” is an opportunity for young neurologists and neuroscientists who are interested in specializing in Neurodegenerative diseases to receive in-depth instruction from internationally-recognized experts. Students will attend large lectures and panel discussions with question and answer sessions and will have the opportunity to discuss clinical cases of atypical dementia and movement disorders and engage in single case treatment and management with the international experts.

The purpose of the summer school is to provide a in depth-education course to international audience interested in neurodegenerative diseases. The specific learning Objectives are

- Propose a personalized pharmacological treatment in patients presenting with dementia or movement disorders
- Propose new on-pharmacological management strategies for dementia and movement disorder
- Understand the rationale and review the more recent evidences for new disease-modifying target therapies across neurodegenerative diseases

### Audience target:

Undergraduate and Graduate medical Doctor (Neurologist, Geriatrician, Psychiatrist)

Neuropsychologist

Biologist

Neuroscientist

Biotechnologist

Pharmacologist



## GENERAL INFORMATION

### Local Scientific Organizer

Prof. Alessandro Padovani  
School of Neurology, University of Brescia

### Scientific and Organizing Committee

Alessandro Padovani  
Barbara Borroni  
Alberto Benussi  
Andrea Pilotto  
University of Brescia (Italy)

### Organizing Secretariat

Siena Congress  
Via del Rastrello, 7 - 53100 Siena  
Tel. 0577 286003  
e.mail: [info@sienacongress.it](mailto:info@sienacongress.it)

### CME - Continuing Medical Education

Event ID: 1802-297988  
Assigned Credits: 31,5

The course is included in the Italian ECM National Programme and it will be accredited for the following Professions:

- Medical Doctor (Neurology, Geriatrics, Psychiatry, Psychotherapy)
- Psychologist
- Biologist
- Physical Therapist
- Biotechnologist
- Pharmacologist

### Course description

The Summer School “Biological and Clinical converging pathways in Alzheimer and Parkinson disease” is an opportunity for young neurologists who are interested in specializing in Neurodegenerative diseases to receive in-depth instruction from internationally-recognized experts. Students will attend large lectures and panel discussions with question and answer sessions and will have the opportunity to discuss clinical cases of atypical dementia and movement disorders and engage in a differential diagnosis with the international experts.

### Learning objectives

- Understand the common and divergent pathways across neurodegenerative diseases
- Propose a differential diagnosis for complex cases and propose specific clinical/imaging/neurophysiological or biological markers assessment
- Propose a symptomatic personalized treatment for dementia and movement disorder
- Understand the rationale and review the more recent evidences for new disease-modifying target therapies across neurodegenerative diseases

### Registration Fees

NB: due to organizational reasons, all registrations should be processed within **August 25<sup>th</sup> 2020**

STUDENTS 200,00 euro (VAT 22% included)

(including: Admittance to the Scientific Sessions – Conference documents and Certificate of Attendance)

the fee registration as student is reserved for under 35 years

REGULAR FEE 100,00 euro (VAT 22% included)

(including: Admittance to the Scientific Sessions – Certificate of Attendance – CME accreditation Programme)

### Online Registration

CLICK [HERE](http://www.neurobssummerschool.it) to access the registration page [www.neurobssummerschool.it](http://www.neurobssummerschool.it)

