Biological and Clinical converging pathways in Alzheimer Disease and Parkinson Disease

Brescia (I)
September 2\textsuperscript{nd}~/6\textsuperscript{th}, 2019
Main Topics
✓ Converging pathways in neurodegenerative diseases
✓ Genetics and epigenetics
✓ Cognitive Biomarkers
✓ Magnetic Resonance Imaging
✓ Functional Imaging
✓ Plasma and CSF Biomarkers
✓ Neurophysiological markers
✓ From bench to bedside

Course Description
The Summer School “Biological and Clinical converging pathways in Alzheimer Disease 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.

Recommended Audience
This course is intended for young neurologists after the completion of general neurological training who are interested in specializing in Neurodegenerative disease.

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
SCIENTIFIC PROGRAMME

Monday September 2nd, 2019

02.30 pm Participants Registration
03.30 pm Welcome Address
   A. Padovani

Opening Session: Converging pathways in neurodegenerative diseases
   A. Padovani
04.00 pm Biological pathways in dementing illness: do they really converge?
   M. Di Luca
05.00 pm Diagnostic challenges across Alzheimer spectrum
   G. Frisoni
06.00 pm Discussion
   M. Trabucchi

Tuesday September 3rd, 2019

Morning Session - Biology and Genetics
   M. Pizzi
09.00 am Neurobiology of neurodegenerative dementias
   E. Buratti
10.00 am Genetics of dementia: unmet needs and future scenarios
   P. Lewis
11.00 am Genetic aspects of early onset dementias
   J. van der Zee
12.00 pm Discussion
   M. Gennarelli

01.00 pm lunch

Afternoon Session - Cognitive markers in Alzheimer Disease and Parkinson Disease
   E. Magni
02.30 pm Cognitive Assessment in dementing illness: need for a reappraisal
   S. Cappa
03.30 pm  Cognitive markers from preclinical to prodromal stages of Alzheimer’s disease and related dementias
            A. Venneri
04.30 pm  Discussion
            A. Padovani

Wednesday September 4th, 2019

Morning Session - Magnetic Resonance Imaging in Alzheimer and Parkinson Disease
            R. Gasparotti
09.00 am  Structural MRI: diagnostic markers and advancement
            M. Bozzali
10.00 am  Functional Imaging and Brain Connectome
            L. Passamonti
11.00 am  Discussion
            E. Premi

12.00 pm  lunch

Afternoon Session - Functional Imaging in Alzheimer and Parkinson Disease
            B. Borroni
01.30 pm  PET: from metabolism to biology
            D. Perani
02.30 pm  Neuroimaging biomarkers in parkinsonian disorders
            A. Antonini
03.30 pm  Diagnosing parkinsonism by Imaging: from theory to practice
            A. Pilotto
04.30 pm  Discussion
            P. Tiraboschi

Thursday September 5th, 2019

Morning Session - Plasma and CSF biomarkers in Alzheimer and Parkinson Disease
            R. Ghidoni
09.00 am  CSF Biomarkers in dementia: limits and future development
            H. Zetterberg
10.00 am Plasma Biomarkers in Neurodegenerative disease: are we there?  
   N. Ashton
11.00 am Peripheral inflammation and microbiota in neurodegenerative disease  
   A. Cattaneo
12.00 pm Discussion  
   A. Pilotto

01.00 pm lunch

Afternoon Session - Neurophysiology Markers in Alzheimer and Parkinson Disease  
   M. Fontanella
02.30 pm EEG a window into the brain: differences and similarities across the neurodegenerative spectrum  
   L. Bonanni
03.30 pm Transcranial Magnetic stimulation: diagnostic or prognostic challenge  
   A. Benussi
04.30 pm Discussion  
   B. Borroni

Friday September 6th, 2019

Morning Session - Alzheimer Disease and Parkinson Disease: From bench to bedside  
   O. Zanetti
09.00 am Therapeutic strategies for disease-modifying drugs in Alzheimer and related dementias  
   A. Padovani
10.00 am Translating scientific advances into disease-modifying therapies for Parkinson’s Disease  
   A. Cenci
11.00 am Unmet pharmacological needs in Parkinson’s disease  
   W. Poewe
12.00 pm Discussion  
   E. Scarpini

01.00 pm Evaluation Questionnaire
01.30 pm Wrap-up and Farewell
Scientific and Organizing Committee

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

Faculty

**Angelo Antonini**  
University of Padova (Italy)

**Nicholas Ashton**  
King’s College London (United Kingdom)

**Alberto Benussi**  
University of Brescia (Italy)

**Laura Bonanni**  
Università “G. D’Annunzio”, Chieti (Italy)

**Barbara Borroni**  
University of Brescia (Italy)

**Marco Bozzali**  
University of Sussex, Brighton (United Kingdom)

**Emanuele Buratti**  
ICGEB - International Centre for Genetic Engineering and Biotechnology, Trieste (Italy)

**Stefano Cappa**  
IUSS - Scuola Universitaria Superiore Pavia (Italy)

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IRCCS Fatebenefratelli Brescia (Italy)

**Angela Cenci**  
University of Lund (Sweden)

**Monica Di Luca**  
University of Milan (Italy)

**Marco Fontanella**  
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**Giovanni Frisoni**  
University of Geneve (Switzerland)

**Roberto Gasparotti**  
University of Brescia (Italy)

**Massimo Gennarelli**  
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Fondazione Poliambulanza, Brescia (Italy)

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University of Innsbruck (Austria)

**Enrico Premi**  
ASST Spedali Civili di Brescia (Italy)

**Elio Scarpini**  
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IRCCS Istituto Neurologico Carlo Besta, Milan (Italy)

**Marco Trabucchi**  
Associazione Italiana di Psicogeriatría, Brescia (Italy)

**Julia van der Zee**  
University of Antwerp (Belgium)

**Annalena Venneri**  
University of Sheffield (United Kingdom)

**Orazio Zanetti**  
IRCCS Fatebenefratelli Brescia (Italy)

**Heinrich Zetterberg**  
University of Gothenburg (Sweden)
Registrations

REGULAR FEE - meeting only (VAT 22% included)
€ 550,00 early (before June 30th)  € 650,00 standard (after July 1st)

FULL FEE - meeting and accommodation (VAT 22% included)
€ 750,00 early (before June 30th)  € 850,00 standard (after July 1st)

REGULAR FEE includes:
• Admittance to the Scientific Sessions
• Conference documents and Certificate of Attendance
• CME accreditation Programme
• Catering service (coffee breaks and lunches) and Social Activities

FULL FEE includes:
• Admittance to the Scientific Sessions
• Conference documents and Certificate of Attendance
• CME accreditation Programme
• Catering service (coffee breaks and lunches) and Social Activities
• Accommodation in Brescia (double/triple rooms to be shared with other participant/s - possibility of single room accommodation upon request, with extra charge)

Payment Methods

✓ ONLINE: http://www.summerschoolneurobs.org/index.php/registrations
Please note that online registrations will be accepted within Monday, August 25th; after that date, only on-site registrations (CASH PAYMENT ONLY) will be possible.

✓ BANK TRANSFER
Full payment of fees (accepted in EURO only) is required in order to attend the Summer School; payments must be net of all bank charges and they must refer to “SUMMER SCHOOL NEURO BS2019 + participant’s NAME/SURNAME”. Copy of the transfer receipt, together with the Registration Form duly filled-in, must be sent by e-mail (info@summerschoolneurobs.org) or fax (0039.035.4137429) to the Organizing Secretariat SPARKS (incomplete forms and/or payments will not be taken into account).

Cancellation Policy

✓ only cancellations sent in writing to the Organizing Secretariat SPARKS (info@summerschoolneurobs.org) will be accepted;
✓ refunds will be possible only if the participant’s bank details are clearly specified;
✓ only cancellation’s requests received before July 31st will be refunded, but they will be charged of an administrative fee of € 100,00;
✓ no refunds will be made for requests received after July 31st, 2019.
Venue
Library of the School of Economics of the University of Brescia
Via S. Faustino, 74/B – 25122 Brescia (Italy)

CME - Continuing medical education
Event ID: 308-265947
Assigned Credits: n.23
The course is included in the Italian ECM National Programme and it will be Accredited for Medical Doctor (Neurology, Geriatrics, Psychiatry, Psychotherapy), Psychologist, Biologist and Physical Therapist.

Local Scientific Organizer
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