



UNIVERSITÀ
DEGLI STUDI
DI BRESCIA

Summer School

Health and Wealth Applied Neurosciences 2019

Biological and Clinical converging pathways in Alzheimer Disease and Parkinson Disease



Brescia (I)

September 2nd/6th, 2019

Under the Patronage of:



UNIVERSITÀ
DEGLI STUDI
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SOCIETÀ ITALIANA DI NEUROLOGIA



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Sistema Socio Sanitario



Regione
Lombardia

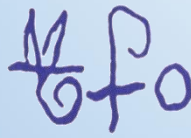
ASST Spedali Civili



SIGOT



Associazione Autonoma Aderente
alla SIN per le Demenze



IRCCS Centro San Giovanni di Dio Fatebenefratelli



ACCADEMIA
ITALIANA
MALATTIA DI PARKINSON
E DISORDINI DEL MOVIMENTO



SINS
ITALIAN SOCIETY FOR NEUROSCIENCES

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) |
| Annamaria Cattaneo | IRCCS Fatebenefratelli Brescia (Italy) |
| Angela Cenci | University of Lund (Sweden) |
| Monica Di Luca | University of Milan (Italy) |
| Marco Fontanella | University of Brescia (Italy) |
| Giovanni Frisoni | University of Geneva (Switzerland) |
| Roberto Gasparotti | University of Brescia (Italy) |
| Massimo Gennarelli | University of Brescia (Italy) |
| Roberta Ghidoni | IRCCS Fatebenefratelli Brescia (Italy) |
| Patrick Lewis | University of Reading (United Kingdom) |
| Eugenio Magni | Fondazione Poliambulanza, Brescia (Italy) |
| Alessandro Padovani | University of Brescia (Italy) |
| Luca Passamonti | University of Cambridge (United Kingdom) |
| Daniela Perani | Ospedale San Raffaele, Milan (Italy) |
| Andrea Pilotto | University of Brescia (Italy) |
| Marina Pizzi | University of Brescia (Italy) |
| Werner Poewe | University of Innsbruck (Austria) |
| Enrico Premi | ASST Spedali Civili di Brescia (Italy) |
| Elio Scarpini | University of Milan (Italy) |
| Pietro Tiraboschi | IRCCS Istituto Neurologico Carlo Besta, Milan (Italy) |
| Marco Trabucchi | Associazione Italiana di Psicogeriatrica, 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 July 22nd)

€ 650,00 standard (after July 23rd)

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

NB: DUE TO ORGANIZATIONAL REASONS, ALL REGISTRATIONS SHOULD BE PROCESSED
WITHIN WEDNESDAY JULY 31ST, 2019

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.

Travel Bursary Application

(application deadline: Monday July 15th, 2019)

Applicants from Europe: Travel Bursaries with full registration will be awarded for participation in this event

Applicants outside Europe: Travel Bursaries with full registration, accommodation and travel will be awarded for participation in this event

Official E.mail and Website

info@summerschoolneurobs.org

www.summerschoolneurobs.org

Organizing Secretariat

SPARKS di Clementina Rizzetti

Via Daniele Piccinini, 2 – 24122 Bergamo (Italy)

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*Piazza della Loggia
Brescia (I)*

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