



FONDAZIONE
MONDINO
Istituto Neurologico Nazionale
a Carattere Scientifico | IRCCS
Sistema Sanitario Regione Lombardia



con il patrocinio di:



CONFERENCE

IL METABOLISMO DELL'RNA NELLE MALATTIE NEUROLOGICHE

Interplay between RNA binding proteins and non coding RNA's

In recent years, the importance of RNA metabolism, involving both coding and non-coding RNAs, has become pivotal in the study of central nervous system diseases. This event will provide an opportunity to discuss updates on the role of RNA metabolism in neurodegenerative diseases. As well as dealing with non-coding RNAs and new therapies based on RNA molecules, we will also be focusing, on the second day, on RNA binding proteins, a topic not discussed at last year's congress. It is hoped that these two scientific days will see the participants taking home new knowledge (both technical and relating to biological mechanisms) about the new nucleic acids in neurodegenerative diseases.

27-28th June 2019

IRCCS Fondazione Mondino
Berlucchi Hall
via Mondino 2 (Pavia, Italy)

THURSDAY 27TH JUNE

10.00 AM
Greetings from President and CEO IRCCS Fondazione Mondino Fabio Rugge, Livio Tronconi

10.20 AM
Introduction
Fabio Blandini, Scientific Director, IRCCS Fondazione Mondino

10.30 AM
Plenary Lecture I - Functional role of TDP-43 in muscle and neuronal tissue: similarities and differences
Emanuele Buratti (Trieste)

**SESSION I
RNA BINDING PROTEINS**
Chairmen: Emanuele Buratti (Trieste), Antonia Ratti (Milano)

11.00 AM
TDP-43 and Stress Granules formation in response to chronic oxidative stress conditions
Claudia Colombrita (Milano)

11.30 AM
Clearance mechanisms of aggregated TDP-43 responsible for ALS/FTD diseases
Valeria Crippa (Milano)

12.00 AM
DNA damage response defects in cells with TDP43 and FUS-P525L positive stress granules
Sofia Francia (Pavia)

12.30 AM
Alternative regulation by a novel member of the angioneurin family
Claudia Ghigna (Pavia)

1.00 PM
Discussion

1.20 PM LIGHT LUNCH

2.30 PM
Plenary Lecture II - The many roles of HuD in RNA regulation: from the initial establishment to the remodeling of synaptic connections
Nora Perrone-Bizzozero (Albuquerque, New Mexico)

**SESSION II
ELAV PROTEINS**
Chairmen: Orietta Pansarasa, (Pavia), Nora Perrone-Bizzozero (Albuquerque, New Mexico)

3.00 PM
Tanshinone mimics: a new class of HuR modulators
Vito D'Agostino (Trento)

3.30 PM
HuD post-transcriptional regulation in ALS
Michela Dell'Orco (Albuquerque, New Mexico)

4.00 PM
A new strategy to counteract diabetic retinopathy: the HuR/VEGF cascade
Alessia Pascale (Pavia)

4.30 PM
Discussion

4.45 PM
Closing day one

FRIDAY 28TH JUNE

10.00 AM
Plenary Lecture III - Long noncoding RNA classification, biogenesis and functions: lessons from Parkinson disease
Rosanna Asselta (Milano)

**SESSION III
SMALL NON CODING RNA**
Chairmen: Cristina Cereda (Pavia), Mariangela Morlando (Roma)

10.30 AM
Plasma derived exosomal non coding RNAs profiling: new potential biomarkers for Alzheimer's disease diagnosis
Chiara Fenoglio (Milano)

11.00 AM
Small RNA players in Amyotrophic Lateral Sclerosis
Mariangela Morlando (Roma)

11.30 AM
RNA profiling in neurodegenerative diseases: extracellular vesicles characterization reveals a distinct microRNA signature
Daisy Sproviero (Pavia)

12.00 AM
Plenary lecture IV - RNA editing in nervous system diseases
Alessandro Barbon (Brescia)

12.30 AM
Discussion

12.45 AM LIGHT LUNCH

**SESSION IV
LONG NON CODING RNA**
Chairmen: Rosanna Asselta (Milano), Stella Gagliardi (Pavia)

1.45 PM
lncRNA and Multiple Sclerosis
Matteo Lucchini (Roma)

2.15 PM
Multiple layers of CDK5R1 regulation in Alzheimer's disease
Marco Venturin (Milano)

2.45 PM
BACE1-AS/BACE1/beta-amyloid dysregulation in the brain and heart: two sides of the same coin?
Fabio Martelli (San Donato Milanese)

3.15 PM
Role of Long non-coding RNAs in neurodevelopment and neurodegeneration
Stephana Carelli (Milano)

3.45 PM
Discussion and dossier ECM/CPD compilation

4.00 PM
Closing Remarks
Cristina Cereda (Pavia)

Scientific Committee

Cristina Cereda,
Stella Gagliardi (Pavia)

Official Language

English

Training Office

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Online Registration

http://corsi.mondino.it/corsi_list.php

Crediti formativi ECM-CPD e quota di partecipazione

Provider IRCCS Fondazione Mondino n. 5467. Obiettivo formativo tecnico professionale - Area Contenuti tecnico-professionali (conoscenze e competenze) specifici di ciascuna professione, di ciascuna specializzazione e di ciascuna attività ultraspecialistica. Malattie rare. L'evento è accreditato ECM-CPD (n.10 crediti); per le figure professionali accreditate consultare il link <http://www.mondino.it/formazione-e-universita/eventi/> Per ottenere i crediti formativi è necessario partecipare a entrambe le giornate e rispondere correttamente all'80% delle domande del test di apprendimento.

Quota di iscrizione

Per il personale, i medici specializzandi, i dottorandi, gli studenti della Fondazione Mondino il corso è gratuito; per il professionista esterno Euro 60+IVA; per gli specializzandi, dottorandi, studenti esterni Euro 40+IVA. Il bonifico deve essere effettuato presso UBI Banca Agenzia di Pavia - conto corrente intestato a IRCCS Fondazione Mondino IBAN: IT 10 0 03111 113 00 0000 000 61736 - Causale "MOND3019 Workshop RNA 2019". Inviare copia del bonifico all'indirizzo: ecm@mondino.it.

L'evento è supportato in modo non condizionato da:

BIO-RAD