

Razionale scientifico

Dystonia and Parkinson's disease have traditionally been viewed as distinct movement disorders. However, compelling clinical and experimental evidence suggest that these diseases can share, at least to some extent, common pathogenic features. As for the past editions of this biennial meeting, held from 2007 to 2017, the next workshop to be held in September 2019, will be focused on clinical and scientific aspects bridging dystonia and Parkinson's disease (PD). Primary aim of this edition of the biennial workshop will be to provide a complete overview of these potential interactions, focusing on "Cellular and molecular targets for novel therapeutics".

SPEAKERS AND CHAIRS

Albanese Alberto	Cruz Lilian	Padovani Alessandro
Bentivoglio Annarita	Gardoni Fabrizio	Perlmutter Joel
Bezard Erwan	Gonzalez Alegre Pedro	Pierantozzi Mariangela
Bhatia Kailash	Goodchild Rose	Pisani Antonio
Blandini Fabio	Hess Ellen	Flamand Roze Emmanuel
Bonsi Paola	Jinnah Hyder A.	Sciamanna Giuseppe
Bragg Cris	Klopstock Thomas	Standaert David G
Calabresi Paolo	Lang Anthony E.	Stefani Alessandro
Capetian Philipp	Leuzzi Vincenzo	Teller Jan
Calakos Nicole	Mencacci Niccolò	Valente Enza Maria
Carecchio Miryam	Mercuri Nicola Biagio	Vidailhet Marie

RESPONSABILE SCIENTIFICO

Prof. Antonio Pisani

Professore Associato Neurologia – Università degli Studi di Roma Tor Vergata

LOCAL ORGANIZING COMMITTEE

Bonsi Paola - Imbriani Paola - Martella Giuseppina - Meringolo Maria
Ponterio Giulia - Schirinzi Tommaso - Sciamanna Giuseppe - Tassone Annalisa

GENERAL INFORMATION

The official language of the Congress is English.
No simultaneous translation will be available.

CONGRESS VENUE

Nobile Collegio Chimico Farmaceutico
Via in Miranda, 10 | 00186 Rome | Tel. 06 679 21 23

E.C.M. 680 - 267453

Has assigned n. 11 CREDITS

Biologo - Chimico - Fisioterapista - Infermiere - Infermiere pediatrico - Tecnico di neurofisiopatologia - Terapista della neuro e psicomotricità dell'età evolutiva Medico Chirurgo (Farmacologia e Tossicologia Clinica, Genetica Medica, Medicina Fisica e Riabilitazione, Neurochirurgia, Neurofisiopatologia, Neurologia, Neuropsichiatria Infantile, Neuroradiologia, Pediatria, Psichiatria)

TRAINING OBJECTIVES

DOCUMENTAZIONE CLINICA. PERCORSI CLINICO-ASSISTENZIALI DIAGNOSTICI E RIABILITATIVI, PROFILI DI ASSISTENZA-PROFILI DI CURA

PROVIDER ECM AND ORGANIZING SECRETARIAT

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Registration FEE € 150.00 (22% vat not included) (Phd students, Trainees free of charge)

Participation's registration fee includes: admission to the scientific sessions from 18 to 19 september; congress documents, coffe breaks & lunches.

Registration form can be dowloaded from the website: www.dotcomeventi.com

CERTIFICATE OF ATTENDANCE

At the end of the congress, a certificate of attendance will be given to participants on request at the Registration Desk.

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7th Biennial Workshop on Dystonia and Parkinson's Disease: "Cellular and Molecular targets for novel therapeutics"

ROME

18-19

September 2019



Nobile Collegio Chimico Farmaceutico, Rome, Italy

THE BACHMANN-STRAUSS
Dystonia & Parkinson Foundation, Inc.

**DYSTONIA
MEDICAL
RESEARCH
FOUNDATION**

**Parkinson's
Disease
Foundation**
A division of the Parkinson's Foundation

DAY 1 - September 18

- 12.00** Registration
- 12.30** Welcome from authorities
- 12.45** Welcoming remarks: **A. Pisani, B. Strauss, J. Teller**

DEBATE

Chairs: A. Albanese, J. Perlmutter

- 13.00** Are the clinical features of isolated dystonia the same as those of dystonia in Parkinson disease? **K. Bhatia, A. Lang**
- 13.45** Discussion

SESSION 1

DYSTONIA AND PD: NEW GENES, NEW THERAPEUTIC TARGETS? (ARE GENE PRODUCTS LEADING TO DISCOVERIES FOR NOVEL THERAPEUTIC AGENTS?)

Chairs: R. Goodchild, E. M. Valente

- 14.00** New genes for rare hyperkinetic movement disorders: what are we learning about molecular pathophysiology of striatal disorders? - **N. Mencacci**
- 14.20** When genetics meet surgery: DBS outcome in genetically-determined dystonia and PD - **M. Carecchio**
- 14.40** Shared and unique pathophysiological features of PD and DOPA-responsive dystonia - **E. J. Hess**
- 15.00** Discussion

SESSION 2

Chairs: A. Bentivoglio, M. Pierantozzi

- 15.20** Poster session (Data Blitz) - Scientific contribution in original on topics discussed during the event and evaluated by the scientific committee

- 16.00** Discussion of the poster presentation
- 16.30** Concluding remarks

DAY 2 - September 19

- 08.00** Registration

DEBATE

Chairs: E. Bezard, M. Vidailhet

- 08.30** Dopamine receptors in dystonia and levodopa-induced dyskinesias: distinct targets? **P. Bonsi, D. G. Standaert**
- 09.30** Discussion

SESSION 3

NOVEL CELLULAR AND MOLECULAR TARGETS (DO DYSTONIA TARGETS APPLY FOR PD?)

Chairs: F. Blandini, H. A. Jinnah

- 09.50** eIF2 α signaling in dystonia - **N. Calakos**
- 10.10** ERK signaling in the striatum: a point of convergence for hyperkinetic disorders? **P. Gonzalez-Alegre**
- 10.30** Differential modifications of AMPA and NMDA receptor subunits at striatal synapses in PD and dystonia - **F. Gardoni**
- 10.50** Discussion
- 11.10** **Coffee break**

SESSION 4

NOVEL TECHNOLOGIES FOR DYSTONIA AND PD RESEARCH

Chairs: C. Bragg, P. Calabresi

- 11.40** Patient-derived vs. isogenic neural stem cell models - **P. Capetian**
- 12.10** Role of Globus Pallidus in Dystonia: Optogenetic strategies to unveil the altered neural circuits - **G. Sciamanna**
- 12.40** CRISPR/Cas9 for allele-specific editing in DYT1 iPSCs - **L. Cruz**
- 13.10** Discussion
- 13.30** **Light Lunch**

SESSION 5

MOLECULAR TARGETS FOR DYSTONIA AND PD: CLUES FROM TREATABLE INHERITED DISORDERS

Chairs: V. Leuzzi, A. Padovani

- 14.30** Parkinsonism in Children - **V. Leuzzi**
- 14.50** Triheptanoin for the treatment of brain energy deficit: from Glut1 deficiency to other movement disorders - **E. Roze**
- 15.10** Heavy metals: possible therapy with chelating agents - **T. Klopstock**
- 15.50** Discussion

SESSION 6

ROUND-TABLE

- 16.10** Novel drugs for dystonia and PD
E. Bezard, N. B. Mercuri, A. Stefani, J. Teller
- 17.40** Concluding remarks and CME evaluation
- 18.00** Orphan drugs for orphan receptors? (NO ECM)
T. Salt, G. Liang