



PRESIDENZA DEL CONSIGLIO DEI MINISTRI
Ministro per la Cooperazione Internazionale e l'Integrazione
Dipartimento Politiche Antidroga



In collaboration with



UNITED NATIONS
Office on Drugs and Crime

NIDA NATIONAL INSTITUTE
ON DRUG ABUSE



Ministero della Salute



Università di Verona
Dipartimento di Scienze Neurologiche,
Neuropsichiche e Morfologiche e Motorie



Regione del Veneto - Azienda ULSS 20
Dipartimento delle Dipendenze

3rd International congress

ADDICTION: new evidences from Neuroimaging and Brain Stimulation

2012 November 13th

*Palazzo della Gran Guardia, Verona
Auditorium*

www.neuroscienzedipendenze.it

Program

Thanks to



Comune
di Verona

EIHP
EUROPEAN INSTITUTE
for HEALTH PROMOTION



Organization



PRESIDENZA DEL CONSIGLIO DEI MINISTRI
Ministro per la Cooperazione Internazionale e l'Integrazione
Dipartimento Politiche Antidroga



THE
ITALIAN SCIENTIFIC
COMMUNITY
ON ADDICTION

www.dpascientificcommunity.it

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UNODC

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Comune
di Verona

Presentation



Giovanni Serpelloni

Chief

Department for Antidrug Policies

Presidency of the Council Ministers, Italy



Nora Volkow

Director

National Institute on

Drug Abuse, USA

Within the international scientific collaboration agreement signed between the Italian Department for Antidrug Policy of the Presidency of the Council of Ministers and the National Institute on Drug Abuse (NIDA) of the United States in July 2011, a major aim is promoting and carrying on applied researches and studies in the field of neuroscience of addiction, more specifically in the neuroimaging field.

For this reason the Department for Antidrug Policy, in collaboration with NIDA, the United Nations Office on Drugs and Crime (UNODC) and the Addiction Department of Verona - ULSS 20, has organized an international conference with the purpose to offer professionals involved in the addiction field - both in the public and the private social services - and academic scientists, scientific notions on the role that the neuroimaging of addiction may cover in the diagnostic and clinical practice and the possible perspective that such evidences may pose for addiction treatment.

A wide scientific documentation reports how drugs act on cerebral structures and systems leading to alterations of the associated neuropsychological functions: various neuroimaging techniques (functional Magnetic Resonance, Positron Emission Tomography, etc.) have given a great contribution to the identification of the neurological basis of drug addiction and in the comprehension of the deficits found in drug users (i.e. alteration of the brain dopamine reward system,



alteration of the decision process and deficit of the prefrontal cortex control, etc.).

Neural correlates, both functional and structural, of the addiction behavior, also found through the neuroimages, bring to evidences that may lead to new interpretative models and, on these basis, to new diagnostic, treatment and rehabilitation models.

The intent of this conference is to explore the role of neuroimaging and of brain stimulation techniques in the drug addiction field in order to offer an aid to professionals and researchers to better understand, investigate, deal with and treat the severe addiction disease and to allow professionals, through their daily work, to better help those who use drugs or who already have developed a dependency, and their families, to find a correct understanding of the phenomena and an adequate clinical and rehabilitation support.

Institutional Patronage



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di Neuroscienze**

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SOCIETÀ ITALIANA DI NEUROLOGIA



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**SOCIETÀ ITALIANA DI
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Medici *Pediatr*



Società Italiana di Tossicologia

ASSOCIAZIONE SCIENTIFICA GTFI
"GRUPPO TOSSICOLOGI FORENSI ITALIANI"



IPASVI

Federazione Nazionale Collegi Infermieri professionali,
Assistenti sanitari, Vigilatrici d'infanzia



Associazione
Nazionale
Infermieri
Neuroscienze



Associazione Nazionale
Educatori Professionali

Speakers

(in order of speech)



Giovanni Serpelloni

*Chief Department for Antidrug Policies
Presidency of the Council Ministers*



Nora Volkow

*Director National Institute
on Drug Abuse*



Jay N. Giedd

National Institute of Mental Health



Perry Renshaw

University of Utah



Marc N. Potenza

Yale University School of Medicine



Franco Alessandrini

*Neuroradiology Unit
AOUI Borgo Trento, Verona*



Giada Zoccatelli

*Neuroradiology Unit
AOUI Borgo Trento, Verona*



Antonello Bonci

*Scientific Director Intramural
Research Program,
National Institute on Drug Abuse*



John Rothwell
University College London



Jiansong Xu
Yale University School of Medicine



Christina Bartsch
*Department of Psychiatry and
Psychotherapy, University of Cologne*



Paolo Manganotti
*Department of Neurological Science,
University of Verona*



Marco Diana
*Pharmacology Professor
University of Sassari*



Giovanni Addolorato
Catholic University of Rome

Chairmen



Alberto Beltramello
*Neuroradiology Unit
AOUI Borgo Trento, Verona*



Lucio Annunziato
Past president SINS



Antonio Fiaschi
*Department of
Neurological Science,
University of Verona*

Program

- 8.30 - 9.00 am Registration
- 9.00 - 9.15 am Introduction and welcome
[Giovanni Serpelloni](#) - Chief of the Department for Antidrug Policies, Presidency of the Council of Ministers
[Flavio Tosi](#) - Mayor Verona Municipality
[Maria Giuseppina Bonavina](#) - General Manager of the Local Health Unit of Verona
- Session 1** ***Neuroimaging of addiction in diagnostic and clinical practice***
Chairman: [Alberto Beltramello](#) / [Lucio Annunziato](#)
- 9.15 - 9.45 am *The activity of the Department for Antidrug Policies in the field of Neuroimaging*
[Giovanni Serpelloni](#) - Department for Antidrug Policies, Presidency of the Council of Ministers
- 9.45 - 10.15 am *The role of neuroimaging of addiction in diagnostic and clinical practice*
[Nora Volkow](#) - National Institute on Drug Abuse
- 10.15 - 10.50 am *Brain maturation and vulnerability to drug use*
[Jay N. Giedd](#) - National Institute of Mental Health
- 10.50 - 11.25 am *Neuroimaging of drug use and drug-related changes in brain chemistry*
[Perry Renshaw](#) - University of Utah
- 11.25 - 11.40 am Coffee break & Press Conference
- 11.40 - 12.15 am *Functional neuroimaging and perspectives for treatment development in addiction*
[Marc N. Potenza](#) - Yale School of Medicine
- 12.15 - 12.50 am *Advanced techniques with high-field MRI: functional and structural alterations in drug users*
[Franco Alessandrini](#), [Giada Zoccatelli](#) - Neuroradiology Unit, University Hospital of Verona
- 12.50 - 1.00 pm Discussion
- 1.00 - 2.00 pm Lunch

Session 2

Brain stimulation in addiction: technical and clinical applications

Chairman: Antonio Fiaschi / Paolo Manganotti

- 2.00 - 2.35 pm *Brain stimulation and new therapeutic perspectives in the addiction*
Nora Volkow - National Institute on Drug Abuse
- 2.35 - 3.10 pm *TMS and optogenetics at the NIDA intramural program*
Antonello Bonci - National Institute on Drug Abuse
- 3.10 - 3.45 pm *TMS in the study and treatment of addiction*
John Rothwell - University College London
- 3.45 - 4.20 pm *tDCS in the treatment of addiction*
Jiansong Xu - Yale School of Medicine
- 4.20 - 4.55 pm *Deep brain stimulation of the nucleus accumbens: first experiences in severe alcohol and opioid addiction*
Christina Bartsch - University of Cologne

Round table

National experiences with TMS in alcohol and drug addiction

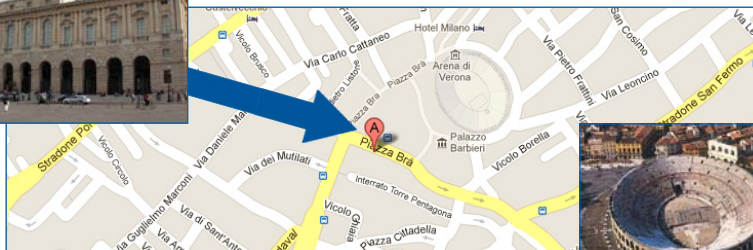
Chairman: Giovanni Serpelloni / Nora Volkow

- 4.55 - 5.40 pm *rTMS in a group of patients in treatment for alcohol and/or drug addiction: preliminary data*
Paolo Manganotti - University of Verona
D-TMS in cocaine addiction: preliminary findings
Marco Diana - University of Sassari
Treatment with Transcranial Magnetic Stimulation: a preliminary study with alcoholics patients
Giovanni Addolorato - Catholic University of Rome
- 5.40 - 6.10 pm Discussion
- 6.10 - 6.30 pm ECM Questionnaire
- 6.30 pm Closing

How to reach us



Auditorium - Gran Guardia Palace
Piazza Brà - 37121 Verona



Arena of Verona



From Verona Porta Nuova Railway Station

Palazzo della Gran Guardia will be on the right.

By bus

You can reach the Congress taking the urban bus 83, from the sidewalk F in front of the station (journey time 10 minutes).

By foot

Proceed to Piazzale 25 Aprile. Turn right to stay on Piazzale 25 Aprile. Continue on G. Cardinale. Continue on Piazzale 25 Aprile. Slight left toward Piazzale Porta Nuova. Turn left onto Corso Porta Nuova. Proceed toward Piazza Brà. Palazzo della Gran Guardia will be on the right.

From the A4 Milan-Venice

By car

Take the exit "Verona Sud". Once off the motorway, take the underpass to the left towards Viale delle Nazioni. On leaving the underpass, continue straight ahead on Viale del Lavoro, then straight ahead on Viale del Piave, then straight ahead on Corso Porta Nuova. Turn right on Piazza Brà.

From "Valerio Catullo" Airport

By bus

On leaving the airport, shuttle service is available (ATV "Verona Porta Nuova Railway Station - Airport Catullo"), operating every day, with run every 20 minutes from 5.40 at 23.10, at a cost of € 4.50. In 15 minutes, the shuttle service connects the airport Valerio Catullo with the main train station in Verona. You can buy the ticket at the airport or directly on the bus (no surcharge).

Parking € 2,00/h

Parking "Cittadella"

Piazza Cittadella
Walking distance: 4min

Parking "Arena"

Via Bentegodi, 8 - Verona
Walking distance: 8min

RADIO TAXI VERONA

Send a text to Call
+39 340 3210021 +39 045 532666

www.neuroscienzedipendenze.it

This informative website has been created within the promotion of strategies of the Department for Antidrug Policies toward the improvement of knowledge and awareness on psychoactive substances effects on human, using multimedia tools that may favor the spread of scientifically correct information and the circulation of clear messages, coherent and trustworthy.

Neuroscience represent a scientific area where medical, psychological and biological competencies integrate each other and thanks to that, the study of brain structures and neuropsychological functions involved in addiction may help in the definition of a correct diagnostic and therapeutic dimension for this pathology.

In the website, topics related to drugs effects on brain and to the use of neuroscience in the comprehension of brain alteration followed by drug use, are treated. This with the objective of diffuse an improved scientific awareness among professionals in the field and to promote, especially among youth, an healthy lifestyle, free from drugs.

“NEUROSCIENZE e DIPENDENZE” website is aimed at the divulgation of information among addiction specialists, but it is also a tool of knowledge and support for youth, parents, teachers and professional educators.



Visit our websites

politicheantidroga.it



dronet.org



dpascientificcommunity.it



italianjournalonaddiction.it



droganews.it



drogainbreve.dronet.org



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cocaina.dronet.org



alcol.dronet.org



dreamonshow.it



drugsonstreet.it



drogaedu.it



13

Registration



Italian Scientific Community on Addiction (ISCA) – Professional network for sharing good practices and tool for the promotion of scientific collaborations

To join in, it is necessary to link on www.dpscientificcommunity.it, www.politicheantidroga.it, www.drogaedu.it and www.dronet.org and fill in the online form. Please, upload your curriculum vitae together with the form. In case an institution or an organization wants to join in, it is necessary to send a brief description of the activities carried out, an updated organization chart, the name of the contact persons. The registration in ISCA entails sharing its principles and objectives and accepting its functions and rules.

Secretary



Regione del Veneto - Azienda ULSS 20
Dipartimento delle Dipendenze

Secretary Office

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Dipartimento Politiche Antidroga

Scientific coordinator
Dr Giovanni Serpelloni

Certificate

At the end of the congress, a participation certificate will be granted.

Registration & ECM credits

Registration

In order to take part to the congress, it is necessary to fill in a registration form you can download from the website www.dronet.org/iscrivi.

Please, send the filled form not later than October 31st 2012.

For any information, please contact the following telephone numbers:
+39 045 8076206 - 6258.

Registration is free, but mandatory.

ECM credits

Medical doctors, psychologists, nurses and education professionals are entitled to get 4 ECM credits.

Credits will be granted only if the participant attends at the 90% of the whole congress time and passes the evaluation test (at least 80% of correct answers).

For all participants, a Certificate of Attendance will be available at the end of the Congress while ECM certificate will be sent to participants later by the organizing secretary office.

