

# Cannabidiols:

## POTENTIAL USE IN EPILEPSY & OTHER NEUROLOGICAL DISORDERS

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**FRIDAY, OCTOBER 4, 2013**

### LOCATION

Apella at Alexandria Center  
450 East 29th Street, 2nd Floor  
New York, NY 10016

### COURSE DIRECTOR

Orrin Devinsky, MD  
Professor, Departments of Neurology,  
Neurosurgery and Psychiatry  
Director, Comprehensive Epilepsy Center  
NYU School of Medicine



For more information and to register, please visit:  
<http://cme.med.nyu.edu/epilepsy>

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### COURSE DESCRIPTION

This course will provide an overview of preclinical and clinical data on cannabidiol (CBD), a nonpsychoactive component of cannabis that shows great promise in a variety of neurological disorders. The expert international faculty will discuss uses of CBD in epilepsy, movement disorders, multiple sclerosis, pain disorders, psychiatric disorders, and neonatal hypoxic-ischemic encephalopathy.

The pharmacology of plant cannabidiols, and efficacy of CBD in animal models of epilepsy and other disorders will be reviewed. The most up-to-date safety and efficacy data on CBD in normal and neuropsychiatric disorders will be presented. Planned studies to assess the potential role of CBD in treatment-resistant childhood epilepsies and ways to assess disease modification will also be covered.

### TARGET AUDIENCE

Neurologists, psychiatrists, pain medicine physicians

### EDUCATIONAL OBJECTIVES

At the conclusion of this activity, participants should be able to:

- Define the mechanisms of action of CBD and other cannabidiols
- Describe the results of animal models of epilepsy in which CBD has been tested
- Define the absorption, distribution and metabolism of CBD and understand the data regarding tolerability & psychoactive properties

### ACCREDITATION STATEMENT

The NYU Post-Graduate Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

### CREDIT DESIGNATION STATEMENT

The NYU Post-Graduate Medical School designates this live activity for a maximum of 5.75 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### DISCLOSURE STATEMENT

The NYU Post-Graduate Medical School adheres to ACCME Essential Areas and policies, including the Standards for Commercial Support regarding industry support of continuing medical education. In order to resolve any identified Conflicts of Interest, disclosure information is provided during the planning process to ensure resolution of any identified conflicts. Disclosure of faculty and commercial relationships as well as the discussion of unlabeled or unapproved use of any drug, device or procedure by the faculty will be fully noted at the meeting.

### COURSE FEES

**Full Fee: \$75 • Reduced Fee\*\*: \$50**

*\*\*Reduced fee applies to NYU School of Medicine alumni, former residents and fellows; physicians-in-training with letter of certification from the Chief of Service; MD's employed by the Department of Veterans Affairs Medical Center; full-time active military personnel; nurse practitioners; and all other non-MD healthcare professionals. Eligibility for reduced fee must be indicated when registering.*

# OCTOBER 4, 2013 • APELLA AT ALEXANDRIA CENTER

## COURSE SCHEDULE

### PART I: BIOLOGY OF CANNABINOIDS & PRECLINICAL SCIENCE

Moderator: Orrin Devinsky, MD

7:15am **Registration & Continental Breakfast**

8:00 **Cannabinoids: A Brief History**  
Orrin Devinsky, MD

8:20 **Cannabinoid Pharmacology and Mechanisms of Action\***  
Vincenzo DiMarzo, PhD

8:50 **CBD & CBDV in Models of Acute Seizure and Epilepsy**  
Benjamin J. Whalley, BPharm, PhD

9:20 **CBD in Animal Models and Human Trials of Opiate Abuse**  
Didier Jutras-Aswad, MD, MS

9:50 **Questions & Answers**

10:05 **Coffee Break**

### PART II: CLINICAL TRIALS & EXPERIENCES WITH CANNABINOIDS

Moderator: Elizabeth Thiele, MD

10:25 **Assays of Cannabinoids\***  
Brian G. Rohrbach, PhD

10:45 **Pharmacology of CBD in Humans**  
Daniel Friedman, MD

11:10 **CBD: Behavioral Properties in Humans\***  
Philip J. Robson, MBBS, MRCP, FRCPsych

11:40 **Cannabidiol in Movement Disorders**  
Javier Fernández-Ruiz, PhD

12:05pm **Questions & Answers**

12:25 **Lunch**

1:30 **Experience with Nabiximols in Multiple Sclerosis and Pain**  
William George Notcutt, MB, ChB, FRCA, FFPMRCA

2:00 **Cannabidiol in Neonatal Hypoxic-Ischemic Encephalopathy**  
Jose Martinez-Orgado, PhD, MD

2:25 **CBD in Children with Treatment Resistant Epilepsy: Planned Trials in Dravet and Lennox Gastaut Syndromes**  
Maria Roberta Cilio, MD, PhD & Orrin Devinsky, MD

2:50 **Questions & Answers**

3:05 **Coffee Break**

3:25 **CBD in Adults with Treatment Resistant Epilepsy**  
Ley Sander, MD

3:55 **Trials for Disease Modifying Therapies in Epilepsy**  
Jacqueline A. French, MD

4:15 **CBD for Dravet Syndrome & Lennox-Gastaut Syndrome: The Orphan Drug Process**  
Rusty Katz, MD

4:35 **Questions & Answers**

4:50pm **Adjourn**

\*This lecture is not offered for *AMA PRA Category 1 Credits™*.

## REGISTRATION

To register, please visit our secure website <http://cme.med.nyu.edu/epilepsy>. Applications will be accepted in order of their receipt. In order to reserve your seat, please register in advance, as on-site registration is not guaranteed.

If you have any questions, please contact [cme@nyumc.org](mailto:cme@nyumc.org) or 212-263-5295.

PLEASE NOTE: We cannot accept telephone or email registration.

## REFUND POLICY

An administrative charge of 30% of your registration fee will be assessed for cancellations prior to **September 20, 2013**. Cancellations must be made in writing and postmarked no later than the above date. (Faxes and emails are not accepted).



Postgraduate Medical School  
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