

CANNABINOID conference 2011

September 8-10, 2011
Bonn, Germany

Program

Thursday, September 8

- 13:00 - 19:00** **Registration**
- 15:00 - 15:15 Opening and Introduction
- 15:15 - 16:00 **Plenary Lecture I**
Daniele Piomelli
The Endocannabinoid System: New tools lead to new insights
Chair: A. Zimmer
- 16:00 - 16:30 COFFEE BREAK
- 16:30 - 18:15** **Session I – Brain functions**
Chair: M. Guzmán
- 16:30 - 17:00 **Ken Mackie**
Mechanisms of CB1 receptor desensitization
- 17:00 - 17:30 **Beat Lutz**
Cell type-specific functions of the brain's endocannabinoid system
- 17:30 - 17:45 **Ana Luisa Terzian**
The cross-talk between dopamine and cannabinoid in emotions and cognition: the role of cannabinoid CB1 receptor in neurons expressing dopamine D1 receptors
- 17:45 - 18:00 **Patrik Roser**
Auditory mismatch negativity generation in schizophrenia with and without comorbid cannabis use
- 18:00 - 18:15 **Miriam Schneider**
Social rejection in adolescent rats induces persistent alterations in pain perception and CB1 receptor expression - A new animal model with relevance for borderline personality disorder
- 18:30 - 21:00 GET-TOGETHER WITH WINE TASTING
Festsaal (see floor plan)

Friday, September 9

- 09:00 - 17:00** **Registration**
- 09:00 - 09:45 **Plenary Lecture II**
George Kunos
The peripheral endocannabinoid/CB1 receptor system as a novel therapeutic target in obesity/metabolic syndrome
Chair: I. Bab
- 09:45 - 10:00 COFFEE BREAK
- 10:00 - 11:45** **Session II – Metabolism and inflammation**
Chair: B. Lutz
- 10:00 - 10:30 **Vincenzo Di Marzo**
Targeting the peripheral endocannabinoid system with plant cannabinoids and n-3 polyunsaturated fatty acids to Combat abdominal obesity-associated metabolic disorders
- 10:30 - 11:00 **Sophie Lotersztajn**
Cannabinoid receptors in liver pathophysiology: new insights and therapeutic openings
- 11:00 - 11:15 **Zvi Vogel**
Effects of cannabinoids on microglial gene expression and their role in experimental autoimmune encephalomyelitis (EAE), an animal model of multiple sclerosis
- 11:15 - 11:30 **Sabine Steffens**
Deficiency of fatty acid amide hydrolase is associated with a vulnerable plaque phenotype in atherosclerosis-prone mice
- 11:30 - 11:45 **José Antonio Martínez Orgado**
Cannabidiol reduces hypoxic-ischemic brain damage by modulating excitotoxicity, oxidative stress and inflammation. Role of CB2 and 5HT1A receptors
- 11:45 - 13:00 LUNCH
- 13:00 - 15:00** **Session III – Neuroinflammation**
Chair: S. Maione
- 13:00 – 13:30 **Javier Fernández-Ruiz**
Anti-inflammatory and neuroprotective potential of Sativex-like medicines in Huntington's disease: from basic research to clinical studies

- 13:30 - 14:00 **Andreas Zimmer**
CB2 receptor signaling in neuroinflammation
- 14:00 - 14:30 **Andrea Hohmann**
Role of endocannabinoid signalling in the control of pain initiation
- 14:30 - 14:45 **Onintza Sagredo**
Potential oxidation of 2-AG by COX-2 enhances malonate toxicity in the striatum: Relevance for cannabinoid treatments in Huntington's Disease
- 14:45 - 15:00 **Judith Alferink**
CB2 signaling is required for susceptibility of cerebral malaria
- 15:00 - 17:00 POSTER SESSION I AND COFFEE BREAK
[IACM General Meeting]
- 17:00 - 18:30** **Session IV – Translational and preclinical studies**
Chair: J. Fernández-Ruiz
- 17:00 - 17:30 **Manuel Guzmán**
Therapeutic potential of cannabinoids as anticancer drugs
- 17:30 - 18:00 **Aron Lichtman**
Targeting Endocannabinoid Hydrolytic Enzymes to treat Neuropathic and Inflammatory Pain
- 18:00 - 18:15 **Evelyn Gaffal**
CB1 receptor deficiency in epidermal keratinocytes promotes contact allergic inflammation and delays epidermal barrier repair response
- 18:15 - 18:30 **Ethan Russo**
Cannabidiol and TRPV1: Turning down the heat (and pain)

Saturday, September 10

- 08:30 - 12:00** **Registration**
- 08:45 - 10:50** **Session V – Bone**
Chair: I. Bab
- 08:45 - 09:15 **Itai Bab**
Novel Cannabinoid Skeletal Targets
- 09:15 - 09:45 **Ruth Ross**
Cannabinoids and bone biology: latest developments
- 09:45 - 10:05 **Sabatino Maione**
The expression of TRPV1 channel and of CB1 vs CB2 cannabinoid receptors is modified in osteoclasts from osteoporotic women

- 10:05 - 10:20 **Thomas Randau**
CB2 receptor expression in human spinal mesenchymal stem cells from patients with osteoporosis
- 10:20 - 10:35 **Jürg Gertsch**
Osteoclastogenesis inhibition by a novel class of biphenyl-type cannabinoid CB2 receptor inverse agonists
- 10:35 - 10:50 COFFEE BREAK
- 11:05 - 12:05** **Session VI - Herbal cannabis**
Chair: W. Notcutt
- 10:50 - 11:20 **Roger Pertwee**
Phytocannabinoid Pharmacology: New Discoveries and Therapeutic Possibilities
- 11:20 - 11:35 **Jeffrey Hergenrath**
Clinical improvement and reduction of immunosuppressive drug therapy in cannabis treated patients with Crohn's Disease and ulcerative colitis
- 11:35 - 11:50 **Arno Hazekamp**
The medicinal use of cannabis and cannabinoids: an international survey on methods of intake
- 11:50 - 12:05 **Sarah Martin**
Cannabis oils produced by a multiple sclerosis patient reveals the potentials of cannabis when used in its natural form
- 12:05 - 13:15 LUNCH
- 13:15 - 14:30 POSTER SESSION II
- 14:30 - 16:30** **Sativex, Nabilone, and Dronabinol**
Chair: D. Abrams
- 14:30 - 15:00 **Philip Robson**
Sativex - a clinical overview
- 15:00 - 15:30 **William Notcutt** – Title N.N.
A Retrospective Description of the Use of Nabilone in UK Clinical Practice
- 15:30 - 16:00 **Tjalling Erkelens**
Bedrocan r&d –stimulating the development of herbal cannabis based –products
- 16:00 - 16:15 **Tim Beumer**
First in human trial of an oral tablet with Δ^9 -THC (Namisol[®])
- 16:15 -16:30 **Franjo Grotenhermen**
Practical aspects of a treatment with dronabinol (THC)

- 16:30 - 17:00 BUSINESS MEETING
European Workshop on Cannabinoid Research
- 17:00 - 18:00** **Session VII – Hot topics from the lab and the clinic**
Chair: R. Pertwee
- 17:00 - 17:15 **Stefan Engeli**
Circulating endocannabinoids are related to blood pressure in patients with obstructive sleep apnea
- 17:15 - 17:30 **Attila Oláh**
Weed against ZIT? Cannabidiol inhibits lipid synthesis of human sebocytes both in vitro and in situ
- 17:30 - 17:45 **Linda Klumpers**
Demonstrating peripheral restriction of CB1 antagonist TM38837 in humans
- 17:45 - 18:00 **Viktor Rempel**
Xanthine derivatives as novel ligands for cannabinoid receptors and the related orphan receptor GPR55
- 18:00 - 18:30** **Special Presentation** Chair: A. Zimmer
Raphael Mechoulam
Beyond Cannabis and Anandamide
- 19:30 - 22:00 CONFERENCE DINNER

The Cannabinoid Conference 2011 is a joint meeting of the
IACM 6th Conference on Cannabinoids in Medicine and the
5th European Workshop on Cannabinoid Research