

# Trends in New Drugs and Drug Abuse

40<sup>th</sup> Anniversary Symposium of *Kliinisen Kemian Tutkimussäätiö*

## Topics

Analysis of large molecules in doping control  
Gene therapies and enhanced performance in sports  
Cannabis and synthetic cannabinoids  
New drugs of abuse – identification, detection and abuse

## Speakers

**Prof. Marilyn A. Huestis** (IRP National Institute on Drug Abuse, National Institute of Health Biomedical Research Center; Baltimore, MD, USA)  
**Prof. Mario Thevis** (Center for Preventive Doping Research, Institute of Biochemistry, German Sports University Cologne; Germany)  
**Dr. Volker Auwärter** (Universitätsklinikum Freiburg, Institut für Rechtsmedizin; Germany)  
**Dr. Odile Cohen-Haguenaer** (Laboratoire de Biologie et de Pharmacologie Appliquée, Ecole normale supérieure de Cachan; France)

## Date

7<sup>th</sup> April 2014, 8:30 – 15:30

## Venue

Tieteiden talo (House of Science and Letters), Helsinki, Finland

*The meeting is free of charge to the audience (max. 100 participants)  
Registration, details and updates at <http://www.kemianseurat.fi/>*



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7<sup>th</sup> April 2014 - Tieteidentalo (Kirkkokatu 6, 00170 Helsinki)

## Program

**08:30 – 09:10**     *Registration and coffee break*

**09:10 – 09:20**     **Opening**     **Dr. Antti Leinonen**

**SESSION 1**     *Chair: Dr. Tiia Kuuranne*

**09:20 – 10:20**     **Recent Aspects of Sports Drug Testing: Targeting Large(r) Molecules in Doping Controls**     **Prof. Mario Thevis**

**10:20 – 11:20**     **Trends in Gene Therapies and Non-therapeutic Use in Sports**     **Dr. Odile Cohen-Haguenaer**

**11:20 – 12:20**     *Lunch*

**SESSION 2**     *Chair: Prof. Ilkka Ojanperä*

**12:20 – 13:05**     **Identifying Recent Cannabis Intake in Chronic and Occasional Cannabis Smokers**     **Prof. Marilyn A. Huestis**

**13:05 – 14:05**     **New Drugs of Abuse: Identification, Detection and Abuse**     **Dr. Volker Auwärter**

**14:05 – 14:35**     *Coffee break*

**14:35 – 15:20**     **Characterizing Metabolic Profiles of Synthetic Cannabinoids: Human Hepatocyte Incubation and High-Resolution Mass Spectrometry**     **Prof. Marilyn A. Huestis**

**15:20 – 15:30**     **Closing**     **Prof. Ilkka Ojanperä**