

### Workshop #3: Forensic Aspects of Doping

Date: Monday October 28, 2024

Time: 8:00 AM – 12:00 PM

#### Rates:

MEMBER RATES		
Early Bird Registration June 26 – September 11 \$150	Late Registration Begins September 12 \$175	On-site Registration Begins October 10 \$200
NON – MEMBER RATES		
Early Bird Registration June 26 – September 11 \$200	Late Registration Begins September 12 \$225	On-site Registration Begins October 10 \$250

#### Chairs

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#### Abstract

This workshop will focus on the forensic and medical-legal aspects of doping by presenting specificity of the anti-doping world and intriguing cases encountered by toxicology experts. It is tailored to the interests of scientists involved in routine forensic investigations, as some of the World Anti-Doping Agency controlled drugs can be observed in the following situations: counterfeit drugs, contaminated supplements, use of cannabis or NPS for doping purposes, aggressive behaviour due to stimulants, modified libido due to anabolic steroids, cardiac failure associated to clenbuterol, serious diseases due to long-term abuse of diuretics or corticosteroids, etc. Numerous practical applications and case reports will be presented by scientists actively engaged in the field.

#### Learning Objectives, after completing this course, attendees will be able to:

1. Describe the depth and scope of doping agents in forensic toxicology.
2. Understand the difference between standard forensic toxicology and doping tests regulation
3. Discuss the importance of analytical issues of doping agents as they relate to poisoning or behaviour change.
4. Understand how illicit substances/doping agents are obtained from the Dark Web and what can be the composition of supplements.
5. Discuss the medical and legal challenges associated with doping agents.

## **Faculty**

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## **Audience Knowledge Level**

Basic and intermediate

### Workshop Agenda

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
8:00-8:10 am	Introduction	Pascal Kintz
8:10-8:30 am	Epidemiology and pharmacology of doping agents	Amine Larabi
8:30-8:50 am	Are cannabinoids doping agents?	Bertrand Brunet
8:50-9:20 am	New trends ... the emergence of SARMs	Nicolas Fabresse
9:20-9:40 am	Metabolic tools (HLMs) to allow characterization: the SARMs example	Alice Ameline
9:40-10:10 am	Testing for doping agent in hair and nails to document contamination	Pascal Kintz
10:10-10:30 am	Break	
10:30-11:00 am	Testing for performance-enhancing agents in non-biological material	Jean-Claude Alvarez
11:00-11:30 am	Practical aspects. Case reports	Laurie Gheddar
11:30-12:00 pm	Forensic aspects of doping, including histology	Anne-Laure Pélissier