

**Monday and Tuesday April 8th – 9th 2024, from noon to noon**

Location: Department of Forensic Sciences, Oslo University Hospital, Lovisenberg-gata 6, Oslo, Norway

Please register for this course by emailing [robert.kronstrand@rmv.se](mailto:robert.kronstrand@rmv.se) no later than March 24<sup>th</sup>.

### **Course description**

The focus is interpretation of ethanol (and some other volatiles) in driving under the influence, violent crimes, and in autopsy cases. The ethanol kinetics after single and repeated intake will be discussed in the context of time-of-dose estimations using BAC and UAC as well as direct ethanol metabolites such as ethyl glucuronide. The implications for the hip flask defence will be discussed. The participants will have the opportunity to practically defend opinions during the course. The course will also highlight the differences and similarities between the Nordic countries' legislations around alcohol and driving as well as the national laboratories' strategy to analyse and interpret results. In the part on post mortem alcohol we will discuss the formation of ethanol and other alcohols and how to investigate possible artefacts using different matrices and ethanol metabolites and alcohol markers.

Sincerely,

Robert Kronstrand and Gudrun Høiseth

## Program

### Monday April 8<sup>th</sup>

### Ante mortem ethanol interpretation

12.00-13.00	Lunch
13.00-13.10	Welcome
13.10-15.00	DUI legislation and practices in the Nordic countries <i>Short communications from country representatives</i>
15.00-15.20	Refreshment break
15.20-16.00	Ethanol absorption, distribution, and elimination <i>Robert Kronstrand</i>
16.00-17.00	Ethylglucuronide to interpret time of intake <i>Gudrun Høiseth</i>
17.15-18.15	Dose estimations and back-calculations; practical session
~19	Dinner

### Tuesday April 9<sup>th</sup>

### Post mortem alcohol interpretation

09.00-09.45	Post mortem alcohols, a review <i>Robert Kronstrand</i>
09.45-10.30	Alcohol markers in post mortem toxicology <i>Cecilie Thaulow</i>
10.30-10.45	Refreshment break
10.45-12.00	Case discussions; practical session
12.00-13.00	Lunch