

# II MULTIFORESEE CA16101 TRAINING SCHOOL

## *Molecular imaging in Forensics*

MAASTRICHT, The NETHERLANDS

10<sup>th</sup> to 13<sup>th</sup> of December 2018

m/z 283 : OLEIC ACID

m/z 229 : SUN CREAM

m/z 182 : COCAINE

m/z 986 : HEMOGLOBIN  $\alpha$

LECTURES, HANDS-ON, & PRACTICAL COURSES  
ON MOLECULAR IMAGING FORENSICS



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# INFORMATION

## Objectives of the training:

1. Teach basic concepts in molecular imaging for forensics
2. Expose students to different technologies and analytical approaches for the analysis of a range of forensic evidence
3. hands-on basic sample preparation methodologies for forensic MSI
4. Networking between forensic professionals

## Target audience:

PhD students and researchers that start activities in forensic molecular imaging with an interest in Mass Spectrometry (MS). A basic knowledge of general MS and/or analytical chemistry is desirable.



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# SPEAKERS



Prof. Ron Heeren  
M4I



Prof. Simona Francese  
Sheffield Hallam University



Prof. Maarten Honing  
M4I



Dr. Bryn Flinders  
DSG



Prof. Maurice Aalders  
UvA



Prof. Martina  
Marchetti-Deschmann  
ICTA Vienna



Dr. Jaap van der Weerd  
NFI



Dr. Tiffany Porta  
M4I



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# PROGRAMME

	Day 1	Day 2	Day 3	Day 4
9.00		General imaging MS introduction Dr. Tiffany Porta	Blood Prof. Martina Marchetti-Deschmann	Discussion on Innovations in MSI
10.00		10.00-10.30 Coffee	Blood spectroscopy Prof. Maurice Alders	9.45-10.15 Coffee
11.00		Hair Analysis Dr. Bryn Flinders		
12.00		Fibers and spectroscopy Dr. Jaap van der Weerd	Image processing Speaker TMFI	MSI practical challenges and hands on experiments
13.00		12.30-13.30 Lunch	12.00-13.00 Lunch	12.30-13.00 Course wrap-up, evaluation and closure
14.00	Arrival & Coffee 14.30 Course Objectives Prof. Ron Heeren			
15.00	15.00 - 15.45 Basic Analytical Chemistry for Forensic research Prof. Maarten Honing	13.30-17.00 Practical MSI on hair, fibers and fingerprints experiments	13.00-17.00 Practical Data analysis	
16.00	16.15-17.00 MALDI MSI of fingerprints Prof. Simona Franscese			
17.00	17.00-18.00 Networking Activity			
18.00	Free evening	Free evening	19.00-22.00 Joint course networking dinner	



# REGISTRATION INFORMATION

## CONTACT and REGISTRATION:

Helen Schott

[h.schott@maastrichtuniversity.nl](mailto:h.schott@maastrichtuniversity.nl)

## Course Fee:

450 Euros per participant (Applicants of COST action CA16101 participating countries can obtain partial funding for fee, travel and lodging).

## Application Deadline: 18<sup>th</sup> of October 2018

To ensure maximum course effectiveness for hands-on experiments the course is limited to 15 participants.



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