

## Registration

### Online Coupling of HPTLC-MS

Date	Location	Yes, I will attend
Thursday, 3 June 2010	University of Leiden	<input type="checkbox"/>
Friday, 4 June 2010	University of Gent	<input type="checkbox"/>
I will bring along a TLC chromatogram		<input type="checkbox"/>

Name: \_\_\_\_\_

Title & Occupation: \_\_\_\_\_

Organisation: \_\_\_\_\_

Address: \_\_\_\_\_

Zip/City: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

e-Mail: \_\_\_\_\_

Signature: \_\_\_\_\_

Please send your registration by e-mail to [info@camag-berlin](mailto:info@camag-berlin) or fax to +49 30 795 7073 not later than 14 May 2010.

If you need more information contact:

Dr. Konstantinos Natsias (+49 30 51655512, e-mail: [info@camag-berlin.de](mailto:info@camag-berlin.de)) or

Dick Bruynzeel (+31 (0)166 654008, e-mail: [d.bruynzeel@bcon-instruments.nl](mailto:d.bruynzeel@bcon-instruments.nl))



BCON Instruments  
Ceciliaweg 2a  
4697 RV Sint-Annaland, The Netherlands

Phone +31 (0)166 654008  
Fax +31 (0)166 654111  
[info@bcon-instruments.nl](mailto:info@bcon-instruments.nl)  
[www.bcon-instruments.nl](http://www.bcon-instruments.nl)



CAMAG AG & Co. GmbH  
Bismarckstrasse 27-29  
12169 Berlin, Germany

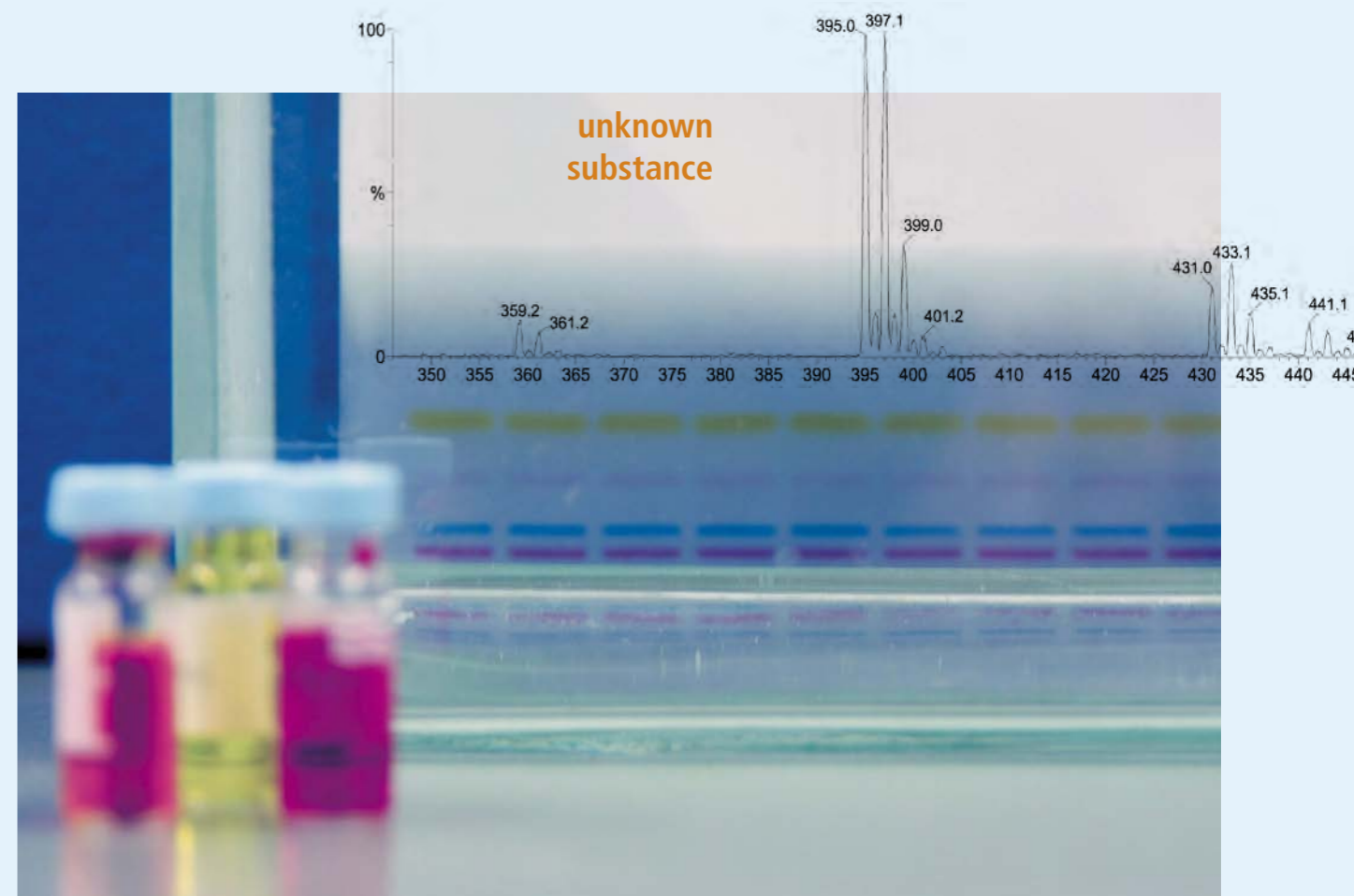
Phone +49-30-516555-0  
Fax +49-30-7957073  
[info@camag-berlin.de](mailto:info@camag-berlin.de)  
[www.camag.com](http://www.camag.com)



## CAMAG Seminar Online Coupling HPTLC-MS

June 3, 2010 University of Leiden (NL)

June 4, 2010 University of Gent (B)



Within minutes take mass spectra  
of zones from a TLC/HPTLC plate

The identification by mass spectrometry of substances that have been separated by thin layer chromatography is in principle nothing new. What is new are the recent developments and advancements connecting TLC/HPTLC with MS.

The research of Dr. Luftmann, Head of Mass Spectrometry, Westfälische Wilhelms University in Münster, and Dr. Morlock, associate professor at the University of Hohenheim in Stuttgart, has led to the availability of a powerful semi-automated solution to the hyphenation of thin layer chromatography and mass spec, thereby opening up new possibilities for both techniques.

The CAMAG TLC-MS interface provides fast, contamination-free extraction of TLC/HPTLC zones directly from the plate surface, followed by online transfer to a mass spectrometer. One of the big advantages of this universal interface is the simplicity of the modification free integration with the system, making it truly plug and play.

Depending on your mass spectrometer, it is possible to identify in one minute the mass of the unknown substance and the related sum formula. The detectability is comparable to HPLC-MS, since the entire, three dimensional zone of the compound is extracted.

Also you can extract zones of interest into a vial for further investigations, for example using NMR, (ATR) FTIR, static nanospray, direct EI-MS and MALDI.

**Interested? At this workshop experts will report in four lectures on their recent results with the TLC-MS interface. Please feel free to bring your own TLC chromatogram along for investigation but let us know in advance what you plan to bring.**

## Program

- 10:00 Welcome and Introduction
- 10:15 Heinrich Luftmann, Head of the Mass Spectrometry department at Westphalian Wilhelms University of Münster, Germany  
**TLC-MS in organic syntheses**
- 10:45 Wolfgang Schulz, Head of the Laboratory for Special Analyses for Routine and Research, Zweckverband Landeswasserversorgung in Langenau, Germany  
**Use of HPTLC-MS coupling for identification of organic trace substances in raw and drinking water**
- 11:15 Ingo Schellenberg, Head of the Institute of Bioanalytical Sciences, Anhalt University of Applied Sciences, Germany  
**Characterization of plant extracts – Experiences with the TLC-MS Interface of CAMAG**
- 11:45 Gerda Morlock, Assist. Prof., University of Hohenheim in Stuttgart, Germany  
**HPTLC-MS in food and pharmaceutical analysis**
- 12:30 Rolf Rolli, CEO CAMAG, Muttenz, Switzerland  
**The CAMAG TLC-MS Interface**
- 13:00 Lunch break
- 14:00 Demonstration in the laboratory  
(with TLC/HPTLC plates brought along by participants)
- 17:00 End of Seminar

## Locations

### June 3, 2010

University of Leiden  
Prof. Dr. Herman Overkleeft  
Leiden Institute of Chemistry  
Department of Bio-organic Synthesis  
Gorlaeus Laboratories  
Einsteinweg 55  
NL-2333 CC Leiden

### June 4, 2010

University of Gent  
Prof. Dr. Bart de Spiegeleer  
Laboratory of Drug Quality & Registration  
Harelbekestraat 72  
B-9000 Gent

