

## Advances in column and microfluidic chip technology for LC

11 March 2017, 10:00 - 17:00

HAN, Laan van Scheut 2, Nijmegen

### Content

This one-day course will give an overview of the state-of-the-art and future developments in Microfluidics and Column Technology. This introductory course consists of lectures, demonstrations and hand-on practical work. It is intended for students and professionals who are not yet familiar with this technology.

### Target audience

The course is taught in the framework of the Analytical Sciences Talent Program (ASTP) for top talents in vocational education (HLO/Universities of Applied Sciences), in the third year of their program (ASTP-2). Therefore, the course is well fit for employees at that level.

### Topics

- General introduction and fundamentals of LC miniaturization.
- Drivers for LC miniaturization.
- Prototyping of Microfluidic Devices for Spatial Chromatography.
- Development and applications of Polymer Monolithic stationary phases.

### Lecturer

*Prof. Dr. Sebastiaan Eeltink.*

Associate professor at the Department of Chemical Engineering, Vrije Universiteit Brussel (Belgium).



Sebastiaan Eeltink obtained his PhD degree in Chemistry from the University of Amsterdam. After his PhD he conducted postdoctoral research at the University of California in Berkeley (USA) and was guest scientist at the Lawrence Berkeley National Laboratory. In 2007 Eeltink joined Dionex and conducted research on packed and monolithic column technology for ultrahigh-pressure LC, two-dimensional LC and nanoLC.

In 2009 the National Fund awarded him the Odysseus grant for Scientific Research (FWO, Belgium). He currently holds a position as associate professor at the Department of Chemical Engineering at the Vrije Universiteit Brussel. His research aims at the development, characterization, and application of novel chromatography materials, including nano-structured monolithic materials in capillaries and micro-fluidic devices. Eeltink has published more than 50 peer-reviewed publications on separation science and other areas within analytical chemistry and holds three patents covering the separation body, flow control and detection in spatial three-dimensional chromatography.

## At the end of the course

You will have gained knowledge of the basics of Microfluidics and Column Technology, their applications and recent developments.

## Course duration and time investment

Course duration:	1 day from 10:00 till 17:00
Company time:	0 hours (as this course is on a Saturday)
Participant's investment:	1 day + optional self-study

## Extra Information

This course is part of the Saturday's program of ASTP and is taught every year.

Course fees:

- €800 (ex. BTW/VAT) per day
- COAST members pay a reduced fee of €400 per day (ex. BTW/VAT) or use a wildcard
- ASTP / MSc+ students: Free

Special fees can be offered to PhD students and companies registering for three or more persons.

For up-to-date information about the course program visit our website at [www.ti-coast.com/L3](http://www.ti-coast.com/L3).

Please contact us for more information.

## Registration

To register fill out, sign and email the form attached to [lifelonglearning@ti-coast.com](mailto:lifelonglearning@ti-coast.com).

Registration Form

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Name	
Organization	
Address	
Billing address (if different from above)	
Educational background	
Email address	
Phone number	

Payment

- I will pay the full course fee of €800 per day (ex. BTW/VAT)
- I qualify for 50% discount, because my employer is a COAST participant, and will pay €400 per day (ex. BTW/VAT)
- I am a PhD student and will pay €400 per day (ex. BTW/VAT)
- I am a PhD student from a group participating in COAST and will pay €200 (ex. BTW/VAT) per day
- I have received a wildcard from: ..... Therefore, I will follow this course for free (note: this person must receive a copy of your registration mail, to indicate approval)

Date:

Place:

Signature:

To register, please email the duly signed registration form to [lifelonglearning@ti-coast.com](mailto:lifelonglearning@ti-coast.com)