

## Separation Methods: Liquid Chromatography

11 February 2017, 10:00-17:00

HAN, Laan van Scheut 2, Nijmegen

### Content

This one-day course will teach you the basic principles of Liquid Chromatography (LC). Liquid Chromatography is used to separate (usually non-volatile) analytes from each other and from complex matrices. It is pervasively applied in pharmaceutical, clinical, chemical and food analysis, and forensic science. Various forms of LC (reversed-phase, normal-phase, HILIC, etc.) will be discussed in this course. The teaching will be supported by the on-line knowledge base *Chromedia*.

### 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 second year of their program (ASTP-1). Therefore, the course is well fit for employees at that level.

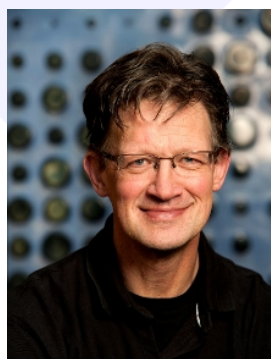
### Topics

- Principles of Liquid Chromatography
- Different types of Liquid Chromatography
- Detectors
- Method development
- Multidimensional analysis
- Examples

### Lecturer

*Prof. Dr. Ir. Peter Schoenmakers*

Professor Analytical Chemistry at the University of Amsterdam and COAST Educational Director



Peter Schoenmakers obtained his PhD from the TU Delft in 1981. After a career in industry at Philips Research Labs (Eindhoven) and Shell (Amsterdam and Houston), he became full-time professor of polymer analysis and analytical chemistry at the University of Amsterdam in 2002. His current research focus is on comprehensive two-dimensional (liquid) chromatography and on applications of analytical chemistry in forensic science. He has published more than 200 peer-reviewed papers.

In 2009 he won the Eastern Analytical Award for Outstanding Achievements in Separation Science and in 2010 he received the Martin Gold Medal of the Chromatographic Society. In 2014 he received the prestigious Knox Medal.

## At the end of the course

You will have gained knowledge of the basics of Liquid Chromatography, its 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)