You can send the completed form to info@kantisto.nl

Kantisto
INNOVATING PHARMACEUTICAL ANALYSIS

**REGISTRATION FORM** 3 – 5 November 2025

## Advanced CE method development, validation and troubleshooting

Hotel Jan Tabak, Amersfoortsestraatweg 27, 1401 CV Bussum, the Netherlands

| | |
|---|---|
| Date | |
| Name | |
| Company | |
| Department | |
| Address<br>(Please also provide invoice address if different) | |
| E-mail | |
| Telephone | |
| Mobile | |
| Dietary requests | |
| Other remarks | |
| Course hotel | ☐ 2 November 2025 (arrival after 15.00 h) – three nights<br>☐ 3 November 2025 (arrival before 9.00 h) – two nights<br>☐ I do not wish to use the hotel |
| Experience with CE | |
| Which type of CE applications do you use? | |
| What are your expectations for this course? | |
| How did you find out about this course? | |
| Signature | |

The course starts Monday morning at 9.00 h sharp and finishes Wednesday afternoon at 16 h.
The course fee of € 2495 + VAT includes three days training, handouts, lunches, hotel incl. breakfast and the course dinner on Monday evening 3 November 2025. Deadline for registration: 15 Sep 2025. Reduced course fee € 2295 + VAT when registering before 1 August 2025. Payment by VISA or Master Card +3% processing fee. Minimum attendance 5 people, maximum 15 people.
*Refund policy*: Written cancellation before 1 August 2025 will result in a full refund minus a 20 % processing fee. Cancellation made after 1 Aug 2025 will not be refunded, but registration can be transferred to another person.

**We need both the scientific knowledge and practical experience in order to develop reliable, robust and sensitive methods**

This course provides you with Capillary Electrophoresis (CE) fundamentals, as well as practical best practice and tips to obtain fit-for-purpose methods. The method validation focuses on the ICH Q2(R2) guideline, with many real-life examples from the pharmaceutical and biotech industry. Troubleshooting combines fundamental understanding with pragmatic problem solving and prevention. Although the focus is on (bio)pharmaceuticals, the principles apply for most CE methods.

**For whom**

This course aims at scientists with some hands-on experience in CE and who want a better understanding of the CE techniques and are looking for practical tips for method development and validation, good working practices and troubleshooting.

**Course content**

- The separation mechanism
- Different modes of CE, including CZE, CGE, and (i)cIEF
- CE method development
- CE instrumental aspects and best practices
- Analytical Quality by Design and Design of Experiments
- Method validation purpose and phase-related approach
- ICHQ2R2 guideline for analytical method validation
- Troubleshooting and troubleshooting strategy
- Preventing the need for troubleshooting

**The trainer**

Dr Cari Sänger - van de Griend is founder and owner of Kantisto, a pharmaceutical analysis consultancy based in the Netherlands. She received her MSc from Leiden University, the Netherlands, did her PhD (DPharm) and habilitation at Uppsala University, Sweden and worked for the Netherlands Organization for Applied Scientific Research TNO, Astra Pain Control, AstraZeneca, Solvay Pharmaceuticals, and Abbott Healthcare Products.

Cari is known for her warm, enthusiastic personality. Her aim is to stimulate people to keep growing and learning, striving to get the best out of themselves. Cari is an independent, reliable, scientific people-manager and a globally recognised expert on separation science, especially within the capillary electrophoretic techniques. Cari's focus interests include implementing and improving analytical pharmaceutical chemistry practice, with an eye for the tiny details that matter. This includes Quality by Design and analytical method life cycle management, protein and virus vaccine characterization, capillary electrophoresis, and cheap, simple and robust methods for developing countries.

Cari is Associate Professor at Uppsala University, chair of the EDQM Ph.Eur. CE working party, member of the EDQM Ph.Eur. AQbD working party, and Associate Director of CASSS. Cari won the prestigious CEPharm award 2015 for sustained and significant contribution to the practical application of Capillary Electrophoresis to the analysis of biotechnology and pharmaceutical products. Quotes from the committee: "Cari advocates tirelessly for scientifically sound CE method development and for the use of CE to ensure the quality of pharmaceutical products. She enabled acceptance of CE in the pharmaceutical industry and provides essential input to the community by teaching and otherwise sharing knowledge."

**Feedback from previous CE courses**

- *I learned what is happening inside the CE. That is in my opinion the most important to know.*
- *The course provided excellent background knowledge and information how to maintain the instrument and work according to "good CE practice".*
- *This course gave me a lot of fundamental knowledge, ideas to improve the troubleshooting process and many small things that can make a big difference by improving robustness.*
- *Cari gave simple and helpful examples to explain difficult topics.*
- *The course was very didactic. Deep understanding of our processes from the teacher and a good approach of the technique through QbD*
- *There was plenty of opportunity to ask questions and the speed of the training was flexible and adapted to our uptake.*
- *I have really enjoyed this course and look forward to use all that I've learned to my method development at work. Thank you very much!*
- *The course handouts could be my CE bible!*