

# Half Day Short Course

## A02. Capillary Electrophoresis applications for the analysis of biopharmaceuticals, including therapeutic proteins and vaccines

### Content

- 1 Modes of CE in use in biopharma
- 2 Examples of applications  
What is the impact of one improved method for the production of vaccines?
- 3 New trends of interest for the analysis of biopharmaceuticals  
Analytical methods on-going performance assessment
- 4 Method development or platform methods
  - Analytical Quality by Design / ICH Q14
  - The use of commercial kits
  - Optimization of methods, univariately vs multivariately
  - Method validation new draft guideline ICH Q2R2

### Details

Instructor	Prof. Cari Sanger-van den Griend, Kantisto BV / Uppsala Universitet
Date	27 August 2023
Time	13:30–16:30 h
Duration	3 h plus coffee break
Location	CICG Geneva
Fees	130 CHF (delegate) 80 CHF (student)
Included	Coffee break If booking 2 courses: lunch

### Instructor



Prof. C. Sanger-van  
de Griend

*Assoc. Prof. Dr. Cari E. Sanger-van de Griend* is founder and owner of Kantisto, an independent pharmaceutical analysis consultancy with special expertise in Analytical Quality by Design (AQbD) and in the Capillary Electrophoresis (CE) technologies. Activities include method development, validation, implementation, and troubleshooting support, scientific and filing report writing and reviewing, training and coaching of scientists and young managers in the pharmaceutical

industry. The handouts of her yearly “Advanced CE method development, validation, and troubleshooting course” are considered the CE bible for method development.

In her spare time, Cari is Associate Professor Analytical Pharmaceutical Chemistry at the Faculty of Pharmacy, Uppsala University and lectures and supervises currently in Sweden, Germany, Poland, and Switzerland. She is chair of the EDQM CE working party and member of the EDQM AQbD working party, Director and Board Member of CASSS, and editor for Electrophoresis.

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.”