



Pozdravljeni!

Predstavništvo Merck Slovenija vas po dolgem času brez srečanj v živo vljudno vabi, da se pridružite na brezplačnem seminarju z naslovom:

HPLC Method development & Troubleshooting and Certified Reference Materials.

Seminar bo potekal **v torek, 21. junija 2022** v treh sklopih, od 9.30 do 14.00 ure, v predavalnici objekta B v Tehnološkem parku Ljubljana (Tehnološki park 19, 1000 Ljubljana).

Prosim za potrditev vaše udeležbe na mail: simona.meglen@merckgroup.com.

Vabilo prosim posredujte tudi vašim kolegom, za katere menite, da bi jih seminar zanimal.

09:30 – 11:00	1. SKLOP Practical aspects on HPLC Method development (Presenter: Petra Lewits, Global Product Manager for Analytical Chromatography, HPLC columns) Method development starts with the sample and its analytes. Depending on the sample and the separation goals the stationary phase chemistry and the column physics gets selected for our individual needs. Beside column selection, the mobile phase has a high impact of selectivity and separation performance. In addition, time and productivity becomes more important. This fact has a very high influence on method development to develop the most cost-efficient method providing precise and sensitive results. <ul style="list-style-type: none">• Understand the challenges in method development and how to overcome them (selection of stationary phase and mobile phase)• Learn how to leverage lab efficiency by simplifying the HPLC workflows and getting faster results• Discover the possibilities to improve regulated methods
11:00 – 11:15	Coffee Break
11:15 – 12:45	2. SKLOP HPLC-Troubleshooting – How to avoid trouble from the start (Presenter: Petra Lewits, Global Product Manager for Analytical Chromatography, HPLC columns) In today's HPLC labs time and cost savings and increasing productivity becomes essential. A fundament for a successful HPLC analysis is best suitable the system set-up to avoid potential trouble from the start. Points to look at are Connection parts, Solvent mixing, degassing and purity, Injection parameter, Column equilibration, cleaning, storing and many more. <ul style="list-style-type: none">• Learn how to prevent potential trouble with improved system set-up• Understand the reason for typical chromatographic issues/effects and how to prevent them• Learn to "read" your results. E.g. Why is my peak showing a tailing?
12:45 – 13:00	Coffee Break
13:00 – 14:00	3. SKLOP Certified Reference Materials

(Presenter: Ciprian Vatca, Field Marketing Specialist, SEE, Advanced Analytical, Lab Classics & Lab Water Solutions)

- Reference Materials overview
 - Primary reference materials (Compendial standards)
 - Secondary certified reference materials, features and benefits
 - Handling and Storage of Reference Standards and CRMs
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Presenters:



Petra Lewits

Global Product Manager for Analytical Chromatography, HPLC columns, Merck KGaA, Darmstadt, Germany

Biography:

Petra works with Chromatography for more than 35 years. She started her career in separation science in 1983 using several chromatographic methods, including HPLC, TLC, GC and Solid Phase Extraction (SPE), for food control in a governmental institution lab. 1986 she joined Merck's pharmaceutical R&D and QC department (Merck KGaA in Darmstadt, Germany) where she developed HPLC methods for R&D and QC of pharmaceutical APIs and formulations as well as for diet convenience foods. From 1991 on she supported customers in different positions with technical and application related inquiries in Europe as a sales specialist for HPLC instruments, technical support for Chromatography and complaint management. Since 2002 she is a Global Product Manager for Analytical Chromatography (HPLC). From 2014 she was focusing on Thin-Layer Chromatography (TLC). Since April 2018 Petra has the global responsibility for analytical HPLC columns at Merck.



Ciprian Vatca

Field Marketing Specialist, SEE, Advanced Analytics, Lab Classics & Lab Water Solutions

Biography:

Ciprian joined Merck Romania in 2017 as an Account Manager covering different customer and project responsibilities. In his previous roles as Laboratory Analyst, Laboratory Quality Manager and Head of the Lab he developed extended experience in method development and instrumental analysis techniques such as gas chromatography, ICP_MS, UV-Vis spectrophotometry, infrared spectroscopy, ion chromatography and Karl Fischer. He also has solid knowledge related to validation processes and quality assurance in the lab, being very familiar with Accreditation Bodies requirements.