

Enzymology and Immunology in Clinical Chemistry

17 June 2017, 10:00 - 16:00

VU University, de Boelelaan, Amsterdam

Content

An important aspect of Clinical Chemistry is assuring reliable test results that contribute to the prevention, diagnosis, prognosis, and treatment of physiological and pathological conditions.

This assurance requires:

producing accurate test results, correlating and interpreting test data, assessing and improving existing laboratory test methods, and designing, evaluating and implementing new methods.

Other important aspects of clinical chemistry are:

- (i) Designing and implementing cost-effective administrative procedures for laboratories, including their services and personnel,
- (ii) designing, implementing and evaluating processes for education and continued education of laboratory personnel,
- (iii) developing and monitoring a quality assurance system to include quality control of services and competence assurance of personnel, and
- (iv) promoting an awareness and understanding of the services they render to the consumer, the public and other healthcare professionals.

In Clinical Chemistry two significantly different processes can be distinguished:

- (i) Pure analytical, which is the use of different methods and techniques to determine a wide variety of endogenous compounds, and
- (ii) the Interpretation of the results.

In Clinical Chemistry the use of rather selective/specific and sensitive methods, capable of analyzing large numbers of samples in a relatively short period of time with sufficient accuracy and precision is an extremely important issue. As a result the use of enzymatic and immunological procedures are the most frequently used methodologies in a clinical laboratory.

Target audience

This course is taught in the framework of the MSc+ program for talents in Master (university) education. Therefore, the course is appropriate for employees at that level.

Topics

During the present course the basic principles, theoretical background, limitations and advantages as well as the applications of Enzymology and Immunology in Clinical Chemistry will be discussed and related to their diagnostic purpose.

Lecturer

Dr. Henk Lingeman

Associate Professor at the BioAnalytical Interactions Section of the Chemistry Department of the VU University Amsterdam.



Dr. Lingeman has a background in analytical pharmacy and biomedical and clinical analysis. His main field of interest is bio-molecular separation, including sample preparation and detection. He is specialized in developing manual and automated procedures for all kinds of analyses in biomedical, pharmaceutical and environmental samples, using sophisticated chromatographic and electrophoretic separation techniques in combination with (off-line, at-line, on-line, in-line) sample preparation, derivatization and reaction detection systems (immunoaffinity, mass spectrometry). He wrote about 200 papers and a few books on these topics.

At the end of the course

You will have gained knowledge of the basics of Enzymology and Immunology in Clinical Chemistry, its applications and recent developments.

Course duration and time investment

Course duration:	1 day from 10:00 till 16:00
Company time:	0 hours (as this course is on a Saturday)
Participant's investment:	1 day + optional self-study

Extra Information

This course is taught in the Saturday program of MSc+ program and is taught every two years.

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.

Please contact us for more information.

Registration

To register fill out, sign and email the form attached to lifelonglearning@ti-coast.com.

Registration Form

Enzymology and Immunology in Clinical Chemistry
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VU University, de Boelelaan, Amsterdam

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