



A focus for analytical chemistry in Europe



60 years of PUC

**Pancyprian Union of Chemists
Division of Quality Assurance
Eurachem Cyprus Committee**

Laboratory Accreditation

A TWO-DAY TRAINING COURSE

ACCREDITATION OF ANALYTICAL, MICROBIOLOGICAL AND MEDICAL LABORATORIES - ISO/IEC 17025:2017 AND ISO 15189:2012

20 - 21 February 2020

***Cleopatra Hotel, Nicosia, Cyprus
Conference Room "Macedonia"***

Dedicated to the memory of Mary Eleftheriadou

The Division of Quality Assurance of the Pancyprian Union of Chemists (PUC) and Eurachem are organising a two-day training course on the accreditation of laboratories. Following a series of training activities on ISO/IEC 17025:2017 and ISO 15189:2012, some critical issues still need to be further analysed and discussed providing the opportunity for interaction with laboratory personnel. This is of interest especially in the light of recent developments which refer to the revision of not only ISO/IEC 17025 but also of other standards and guides (including Eurachem ones) and will be discussed as well.

The scope of the training is to

- present and discuss critical issues of interest to analytical, microbiological and medical laboratories addressed in the relevant accreditation standards
- discuss the experience of laboratories in various sectors, problems and solutions
- present recent publications (Eurachem guides and others)

How to meet the task

This task will be addressed through presentations by experienced trainers, exercises and group work as well as audiovisual means. It is expected that by the completion of the training, the participants will have a good understanding of the critical issues addressed in the accreditation standards and will acquire a clear picture of the work to be done in their laboratories or in their accreditation bodies as appropriate. It is important that the tutors have been actively involved for many years in Eurachem activities and its working groups; four of them having also served for many years as members of its Executive Committee.

Who can participate?

The training is oriented to

- Personnel of accredited laboratories as well as those being prepared for their accreditation in the whole range of laboratory work;
- Lead assessors/assessors/technical experts
- Consultants.

Certificates of participation will be issued to participants who fully attend.

The language

The training will be carried out in English.

The fee

For the two-day workshop the training fee is set at 250 € for those **registered by 24 January 2020**. After that date, the fee will be 280 €. This covers the training material, coffee breaks and meals as well as dinner on the first day. If more than one participant from the same laboratory/organization attends, the fee will be 200 € and 230 € respectively for the additional participants.

For those coming from abroad

Accommodation

The training will be hosted at the Cleopatra Hotel, a 4-star hotel in the centre of Nicosia (www.cleopatra.com.cy). A number of rooms has been pre-booked at the said hotel at the following prices (**valid until 24 January 2020**):

Single Room B&B 82 € (standard room) and 90,20 € (executive room).

Twin Room B&B 102,50 € (standard room) and 112,75 € (executive room).

Participants will need to make their own reservation directly with the hotel (info@cleopatra.com.cy, (tel. +357 22844000) with reference to the code **PUC2020**.

Visa requirements

Participants from third countries (not member states of the European Union) may need to get a visa. Relevant information appears under visa policy on the website of the Ministry of Foreign Affairs of the Republic of Cyprus (www.mfa.gov.cy). To this end they need to contact the local organisers for an invitation letter to be provided in time.

Entrance to Cyprus

Only via the legal airports of the Republic of Cyprus, namely the Larnaca and Pafos International Airports. Larnaca is the preferred airport, as Pafos is further from Nicosia (extra 1 hour transfer time).

Transportation from/to the hotels

Upon arrival at **Larnaca International Airport**, participants may catch

⇒ **EITHER**, the shuttle to Nicosia (for timetable visit <https://www.kapnosairportshuttle.com>); the fee is 8€. The trip takes up to 40 min. A taxi will then be required to take you to the hotel (additional cost up to 10 €)

⇒ **OR** a taxi directly to the hotel; this will not cost more than 50 €.

For information, contact...

qualityassurancepuc@gmail.com / kctsimillis@cytanet.com.cy/
despinacharalambous@yahoo.co.uk.

The trainers...

Vicki Barwick

After studying chemistry at the University of Nottingham, Vicki joined LGC in 1990 as an analytical chemist. She then worked on projects funded by the UK government's Valid Analytical Measurement (VAM) programme, focusing on the development of approaches to evaluating measurement uncertainty in chemical analysis. This work led to the development of training courses on uncertainty evaluation and wider quality assurance issues. Vicki is currently the Head of Commercial Training at LGC and has over 20 years' experience in the development and delivery of training courses in the area of analytical quality assurance. She has produced a wide range of training materials and is co-author of the books 'Quality assurance in analytical chemistry' and 'Practical statistics for the analytical scientist'. She is the Vice-Chair of Eurachem network and Chair of the Eurachem Education and Training Working Group.



Stephen Ellison

Dr Ellison is a Science Fellow at LGC, Teddington, the UK National Measurement Laboratory for chemical and biological measurement. He is Chair of the Eurachem Measurement Uncertainty and Traceability Working group. As a co-author of the EURACHEM guides "Quantifying Uncertainty in Analytical Measurement" and "Traceability in Chemical Measurement", he is a recognized international expert in measurement uncertainty principles applied to analytical methods. He contributes to a range of ISO, CEN, BSI and other committees involving applications of statistics applied to measurement, including the JCGM Working Group responsible for the GUM. He has also contributed to IUPAC Technical Reports on Recovery, Validation, and Proficiency Testing of analytical chemistry laboratories.



Lorens Sibbesen

Lorens holds a Master of Applied Chemical Engineer (final thesis on food analysis) and has in his entire professional career been working with analytical laboratories. Partly through education and training – on the school for laboratory technicians in Denmark and as coordinator and instructor on a vast number of courses and trainings for people from analytical laboratories - and partly (1987- 2000) as quality manager for analytical laboratories. Besides his theoretical and practical background for planning and giving training, his professional key competence is within the field of quality assurance and management in laboratories (and other CAB's) - both from a general systematic point of view (Conformity assessment and Quality Systems based on requirements from ISO/IEC 17020, ISO/IEC 17025, ISO 9000, GLP/GMP etc.), and from a more practical "daily work"



point of view (method validation, measurement uncertainty, relevant statistical methods, use of Excel for handling of laboratory data etc.). Lorens has since 2000 been running his own training and consultancy company (LAB Quality International) which offers training and consultancy for laboratories on quality management related issues. Since 2005 his experience has become more and more international through a vast number of Quality Infrastructure related project assignments in Turkey, Latvia, Jordan, Syria, Rwanda, The Philippines, Jamaica, Papua New Guinea, Vanuatu etc.. In 2019 Lorens has been dealing with a task as Quality Infrastructure expert on establishing the standardization, metrology, conformity assessment and accreditation elements of national and regional infrastructures in the Caribbean, African and Pacific region. Lorens is Danish delegate at GA of Eurachem and convener of WG for Method Validation.

Irini Leimoni

Irini studied Biology in the University of Athens and received a PhD in Biology (Biochemistry) from the same University. The main topic of her thesis was the purification and study of a specific for poly (U) and poly (C) Ribonuclease from human tissues. She worked as Biochemical Analyst and member of Technical Management Group and Quality Manager in the Central Clinical Laboratory of Euromedica S.A, Athens, Greece (2002-2009). From April 2009, she joined AFFIDEA as Director of Laboratories Development and Quality Assurance Officer. In the frame of this position she worked for the development of Clinical Laboratories in several towns of Greece. Since 2016, she is working as Country Quality Manager, Country Data Protection Officer and Member of the Clinical Governance Committee in AFFIDEA Greece. As from 2008, after special training and evaluation, she joined the Hellenic National Accreditation Body (ESYD), as an Assessor and later (2011) as a Lead Assessor for Clinical Laboratories (ISO 15189). In the frame of this role, she participated in the assessment of more than 350 clinical laboratories in Greece, Albania and Cyprus. She is also Assessor of ESYD for the ISO 17043 & ISO 17025. Since 2017 she is elected member of the executive council of the Hellenic Society of Clinical Chemistry-Clinical Biochemistry. She is also a corresponding member of the Working Group of EFCC for the Biological Variation.



Rodothea Koniotou

Rodothea studied Chemistry at the Aristotelion University of Thessaloniki, Greece (1994-1999) and then she continued her studies at the University of Liverpool, Department of Chemistry for her PhD in Chemistry (2000-2004). She worked in Pharmaceutical Company as an analyst in the Quality Control Lab and as from September 2008 she is a Lead Assessor in the Cyprus Accreditation Body (CYS-CYSAB) for ISO/IEC 17025 and ISO 15189. She also participates as Lead Assessor in the decision making committee of CYS-CYSAB, Review Committee, that decides granting, extension, suspension and withdrawal of Accreditation. She is the representative of CYS-CYSAB in the Working Group Healthcare of the European Accreditation and the convener of the TFG for questions (FAQs) related to the implementation of ISO 15189 in laboratory medicine. Rodothea is representing CYS-CYSAB in the Laboratory Committee (LC) of the European Accreditation and she has been appointed as the reporter of the Working Group Healthcare to the LC and subsequently member of the Management Group of the LCe. Rodothea is a peer evaluator in EA teams (MLA) and also the contact point in Cyprus for GLP.



George Papageorgiou

George studied Microbiology; he holds a BSc (University of London, 1981) and a PhD (University of Barcelona, 2000). He is currently working at the State General Laboratory of Cyprus as Senior Microbiologist. He is working in this Organization since October 1982 and is now Head of the Section F, which includes the laboratories of Ecotoxicology, Water and Drug Microbiology, Food Microbiology and Food Molecular Biology and Immunology. George's scientific research interests are focused on the isolation and identification of enteroviruses from large volumes of water and on the concentration and cultivation of *L. monocytogenes* from food samples, using the membrane filtration technique. George is a Technical Expert of the Cyprus Organization for the Promotion of Quality – Cyprus Accreditation Body.



Despina Charalambous

Despina studied Chemistry at the University of Cyprus and continued her studies with MSc Molecular Medicine at Imperial College London and at the University of Cyprus at the Department of Biological Sciences for her PhD in Molecular Biology. The main topic of her dissertation was the study of the structure and functions of motor proteins in primary neurons using genetic, molecular biology and biochemistry techniques. From 2009 she worked as Technical Lab Manager in private laboratories accredited against ISO 17025. Since 2013 Dr Charalambous is working as a Lecturer at the Department of Pharmacy at Frederick University where she teaches Food Chemistry and Nutrition and Pharmaceutical Biotechnology as well as the laboratory courses General and Inorganic Chemistry,



Physical Chemistry, Food Chemistry, General Biology, Microbiology, Biology, Molecular Biology, Biochemistry and Pharmaceutical Biotechnology. Despina's research interests focus on neuro-degenerative diseases and the role of pharmaceutical agents in the progress of the diseases. She is a member of Division of Quality Assurance of PUC and the Biological Society Cyprus. She is a Lead Assessor (ISO 15189) of CYS-CYSAB.

Kyriacos Tsimillis

Kyriacos holds a BSc and a PhD in Chemistry (University of Athens - 1971, 1977). Postgraduate studies at the Nuclear Research Center "Demokritos" (1972-1975). Lecturer at the Physical Chemistry Department of the University of Athens (1975-1980), he was involved in standardization and certification activities in Cyprus for twenty years followed by twelve years in accreditation until his retirement (December 2013). He was the Coordinator (2005) and as from 2009 the Director of the Cyprus Accreditation Body (CYS-CYSAB). He represented CYS-CYSAB in EA and was a member of peer evaluation teams of EA (2013-2014). Since 1997 he represents the Pancyprian Union of Chemists in Eurachem, including a two-year period as its Chair (2008-2010) and for many years as a member of the Executive Committee; he also represented Cyprus in Eurolab and the Euromed Quality Programme. He is the author of research papers and review articles and a co-author in books on Quality. He was an invited speaker in seminars, workshops and conferences. He organized a lot of training activities and awareness events. Since 2014 he is a member of the Division of Quality Assurance of the PUC.

