



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

Day 1 – Thursday 20 February 2020

08.30 - 09.00	Registration
09.00 - 09.20	Welcome addresses by <ul style="list-style-type: none">- <i>Kyriacos Tsimillis, Division of Quality Assurance, PUC on behalf of Leontios Philotheou, Chair, PUC</i>- <i>Vicki Barwick (Vice-Chair Eurachem, Chair Education and Training Working Group)</i>- <i>Stelios Giannopoulos (Director, State General Laboratory)</i>- <i>Panos Papageorgis (Dean, European University)</i>
09.20 - 09.40	Presentation of the tutors and the participants
09.40 - 10.10	Introduction – Scope and expectations of the training <i>(Kyriacos Tsimillis, Division of Quality Assurance, PUC and Despina Charalambous, Frederick University, CYS-CYSAB external Lead Assessor for Medical Laboratories)</i>
10.10 - 10.50	Essential statistics for quality assurance - Part I <i>(Vicki Barwick, Head of Commercial Training, LGC – Eurachem Vice-Chair, Chair of the Eurachem Education and Training Working Group)</i>
10.50 - 11.20	Coffee break

11.20 - 12.00	Measurement uncertainty: 'Bottom-up' vs 'top-down' evaluation <i>(Stephen Ellison, Chair of the Eurachem Measurement Uncertainty and Traceability Working Group)</i>
12.00 - 12.40	Measurement uncertainty Laboratories present their experience, problems and solutions - Uncertainty in Proficiency Testing Schemes: Center for Quality in Medical Laboratories (CQML) Study <i>(Ziyad Khmour, Al-Quds University)</i>
12.40 - 13.20	What we might expect in uncertainty treatment for qualitative results <i>(Stephen Ellison, Chair of the Eurachem Measurement Uncertainty and Traceability Working Group)</i>
13.20 - 14.20	Lunch break
14.20 - 15.00	Method validation in medical laboratories <i>(Irin Leimoni, Quality Assurance Officer & Data Protection Officer in AFFIDEA, ESYD Lead Assessor for Clinical and Testing Laboratories and PT Providers)</i>
15.00 - 15.40	Method validation in analytical laboratories <i>(Lorens Sibbesen, Chair of the Eurachem Method Validation Working Group)</i>
15.40 - 16.00	Coffee break
16.00 - 16.40	Implementation of ISO 13843:2017 Water quality – Requirements for the establishing performance characteristics of quantitative microbiological methods <i>(George Papageorgiou, General State Laboratory, CYS-CYSAB Technical Expert for Microbiological Laboratories)</i>
16.40 - 17.20	Method Validation Laboratories present their experience, problems and solutions - Validation of wide scope method with mass spectrometry - Problems and perspectives <i>(Marios Kostakis, National and Kapodistrian University of Athens)</i> - Validation steps according to ISO 15189 - Architect i 2000 Serological markers for infectious diseases <i>(Marilena Trimithioti, Serology Department, Nicosia General Hospital)</i> - Use of EQAS data for Validation of Urine Dipstick Commercial Brands <i>(Yumna Shehadah, Director, Center for Quality in Medical Laboratories, Al Quds University)</i>
17.20 - 17.30	Discussion
17.30	End of Day 1
20.00	Dinner

Day 2 – Friday 21 February 2020

09.00 - 09.40	Essential statistics for quality assurance – Part II <i>(Vicki Barwick, Head of Commercial Training, LGC – Eurachem Vice-Chair, Chair of the Eurachem Education and Training Working Group)</i>
09.40 - 10.30	Perceptions of traceability; a challenging survey <i>(Stephen Ellison, Chair of the Eurachem Measurement Uncertainty and Traceability Working Group)</i>
10.30 - 11.00	Coffee break
11.00 - 11.30	Risk assessment in analytical laboratories <i>(Lorens Sibbesen, Chair of the Eurachem Method Validation Working Group)</i>
11.30 - 12.00	Risk assessment in medical laboratories <i>(Irina Leimoni, Quality Assurance Officer & Data Protection Officer in AFFIDEA, ESYD Lead Assessor for Clinical and Testing Laboratories and PT Providers)</i>
12.00 - 12.40	Difficulties faced in the accreditation of laboratories against ISO/IEC 17025:2017 <i>(Rodothea Koniotou, CYS-CYSAB Lead Assessor for Testing and Medical Laboratories)</i>
12.40 - 13.10	Transition to the new standard ISO/IEC 17025:2017 Laboratories present their experience
13.10 - 14.10	Lunch break
14.10 - 14.50	Terminology in analytical measurement <i>(Vicki Barwick, Head of Commercial Training, LGC – Eurachem Vice-Chair, Chair of the Eurachem Education and Training Working Group)</i>
14.50 - 15.30	Evaluating measurement uncertainty in software: Using Excel and R for measurement uncertainty <i>(Stephen Ellison, Chair of the Eurachem Measurement Uncertainty and Traceability Working Group)</i>
15.30 - 16.00	Coffee break
16.00 - 16.40	The use of Decision Rules <i>(Lorens Sibbesen, Chair of the Eurachem Method Validation Working Group)</i>
16.40 - 17.20	What do laboratories need to know about ISO/IEC 17011:2017? Eurachem Guides for analytical and microbiological laboratories under revision <i>(Kyriacos Tsimillis, Division of Quality Assurance, PUC)</i>
17.20 - 17.30	Concluding remarks - Certificates
17.30	End of the training course