

Accurate Results for Patient Care Workshop 2019

A JCTLM Members' and Stakeholders' meeting

2-3 December 2019, BIPM



Accurate results
for patient care

Programme

Day 1: Monday 2 December: Challenges and opportunities

- Welcome and introduction Thomas Liew (CIPM) 09:00

Session 1: JCTLM Executive report and action plan Chair: Robert Wielgosz

- JCTLM Executive Committee report Ian Young (JCTLM Chair) 09:10
- JCTLM database report Robert Wielgosz (BIPM) 09:30
- JCTLM Education & Promotion Report Graham Beastall (IFCC) 09:45
- IFCC RELA EQA Scheme Report Anya Kessler (RfB, Germany) 10:00
- Discussion 10:15
- Break 10:30**

Session 2: Challenging the status quo Chair: Graham Beastall

- Topic 1: Harmonising EQA schemes – the next frontier Tony Badrick (RCPQAP, Australia) 10:50
- Topic 2: Towards a global forum for managing traceability in laboratory medicine Christa Cobbaert (Leiden Univ., Netherlands) 11:20
- Discussion 11:50
- Photograph and Lunch 12:30**

Session 3: New concepts to improving quality in laboratory medicine Chair: Ian Young

- Importance of measurement uncertainty estimate in medical laboratories Federica Braga (CIRME, Italy) 13:30
- Definition of performance specifications for metrological traceability implementation Mauro Panteghini (CIRME, Italy) 13:55
- Discussion 14:20

Session 4: International standards and regulation Chair: Ian Young

- ISO 17511 and the work of ISO TC-212 WG2 Robert Wielgosz (BIPM) 14:30
- The EU In-Vitro Diagnostic Device Regulation (IVDR) Gary Myers (IFCC) 14:45
- Regulatory hurdles for IVD companies Renee Howell (Siemens Healthineers, USA) 15:00
- Discussion 15:15
- Break 15:30**

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Day 1: Monday 2 December: Challenges and opportunities

Parallel session

Session 5a: Meeting the challenge of method harmonization in haematology

Chair: Bruce Davis

• Overview and update of ICSH activities in haematology standardization	Bruce Davis (ICSH)	15:50
• Implementation of the reference system for total haemoglobin	Denis Grote-Koska (RfB, Germany)	16:10
• Overview of reference measurement system approach for blood cell counting	Andreas Kummrow (PTB, Germany)	16:30
• Reference method for the leukocyte differential count	Marie Christine Bene (Nantes Univ., France)	16:50
• Discussion		17:10

Parallel session

Session 5b: Measurement of specific nucleic acid sequences in healthcare

Chair: Neil Almond

• Development of a quantitative DNA methylation measurement method	Sema Akyurek (TUBITAK UME, Turkey)	15:50
• SoGAT – Progress in the development of reference standards for NAT detection and measurement of infectious disease	Neil Almond (NIBSC, United Kingdom)	16:05
• Digital PCR for the characterization of reference materials	Megan Cleveland (NIST, USA)	16:20
• The development of measurement procedure for quantification of human cytomegalovirus	Mojca Milavec (NIB, Slovenia)	16:35
• Digital PCR as a reference measurement procedure for HIV quantification	Jim Huggett (LGC, United Kingdom)	16:50
• Discussion: Challenges and opportunities for the quantification of nucleic acids in clinical diagnosis and disease management		17:05

Reception and posters	17:20
Dinner	18:30

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Day 2: Tuesday 3 December: Getting the right answer

Session 6: Commutability

Chair: Gary Myers

• Understanding and implementing commutability	Greg Miller (ICHCLR)	09:00
• Commutability assessment in practice at the JRC	Liesbet Deprez (EC JRC)	09:25
• The commutability assessment of EQA materials and certified reference materials for HbA1c	Tianjiao Zhang (NCCL, China)	09:40
• Discussion		09:55

Session 7: Harmonization of methods for difficult analytes

Chair Gary Myers

• International Consortium for Harmonization of Clinical Laboratory Results	Gary Myers (IFCC)	10:00
• ISO 21151 Harmonization protocols	Greg Miller (ICHCLR)	10:15
• A pragmatic approach to the calibration and harmonization of type II analytes	Rachel Marrington (Birmingham Quality, UK)	10:30
• Discussion		10:45
	Break	11:00

Session 8: International projects to achieve standardization/harmonization

Chair: Robert Wielgosz

• IFCC-Scientific Division projects	Philippe Gillery (Reims Univ., France)	11:20
• European Metrology Network in Laboratory Medicine (EMN TraceLab)	Rainer Stosch (PTB, Germany)	11:40
• EMPIR Project Updates		
• NeuroMET: Neurodegenerative disease clinical & metrological framework	Milena Quaglia (LGC, UK)	11:55
• ReMIND Role of metals and metal containing biomolecules in neurodegenerative diseases such as Alzheimer's disease	Claudia Swart (PTB, Germany)	12:10
• CardioMET: Cardiovascular disease clinical & metrological framework	Vincent Delatour (LNE, France)	12:25
• SEPTIMET: metrology developments to improve identification and treatment of sepsis – Focus on Procalcitonin activities	Amandine Boeuf (LNE, France)	12:40

Lunch and poster Session 12:55

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Day 2: Tuesday 3 December: Getting the right answer

Session 9: Reference systems around the world		Chair: Graham Jones	
<ul style="list-style-type: none"> The best and the worst analyte performance in 15 years' experience of EQA 	Silvia Quiroga (ProgBA, Argentina)		13:45
<ul style="list-style-type: none"> Problems of lack of harmonization in blood transmitted disease serology 	Marta Torres (ProgBa, Argentina)		14:00
<ul style="list-style-type: none"> Building and maintaining reference measurement systems for kidney disease markers 	Karen Phinney (NIST, USA)		14:15
<ul style="list-style-type: none"> Isotope dilution mass spectrometric method for the measurement of albumin in urine and its application in accuracy-based EQA Programmes in Singapore 	Qinde Liu (HSA, Singapore)		14:30
Session 10: Putting the patient first: clinical case studies		Chair: Graham Jones	
<ul style="list-style-type: none"> Chronic kidney disease 	Graham Jones (ILAC)		14:45
<ul style="list-style-type: none"> Implementation of the reference system for hemoglobin A2: what impact on thalassemia screening and diagnosis 	Andrea Mosca (Milan Univ., Italy)		15:00
<ul style="list-style-type: none"> Monitoring anticoagulant therapy with the INR test 	Christa Cobbaert (Leiden Univ., Netherlands)		15:15
	Break		15:30
Session 11: What is the future for traceability in laboratory medicine?			
<ul style="list-style-type: none"> Structured discussion led by Elvar Theodorsson (Linköping Univ., Sweden) 			15:50
Session 12: Summary by JCTLM Chair.			
<ul style="list-style-type: none"> Summariser 	Ian Young		16:30
	Close		17:00