

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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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 Milosevic (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	
<ul style="list-style-type: none"> Understanding and implementing commutability Commutability assessment in practice at the JRC The commutability assessment of EQA materials and certified reference materials for HbA1c Discussion 	<ul style="list-style-type: none"> Greg Miller (ICHCLR) Liesbet Deprez (EC JRC) Tianjiao Zhang (NCCL, China) 	<ul style="list-style-type: none"> 09:00 09:25 09:40 09:55 	
Session 7: Harmonization of methods for difficult analytes		Chair Gary Myers	
<ul style="list-style-type: none"> International Consortium for Harmonization of Clinical Laboratory Results ISO 21151 Harmonization protocols A pragmatic approach to the calibration and harmonization of type II analytes Discussion 	<ul style="list-style-type: none"> Gary Myers (IFCC) Greg Miller (ICHCLR) Rachel Marrington (Birmingham Quality, UK) 	<ul style="list-style-type: none"> 10:00 10:15 10:30 10:45 	
	Break		11:00
Session 8: International projects to achieve standardization/harmonization		Chair: Robert Wielgosz	
<ul style="list-style-type: none"> IFCC-Scientific Division projects European Metrology Network in Laboratory Medicine (EMN TraceLab) EMPIR Project Updates <ul style="list-style-type: none"> NeuroMET: Neurodegenerative disease clinical & metrological framework ReMIND Role of metals and metal containing biomolecules in neurodegenerative diseases such as Alzheimer's disease CardioMET: Cardiovascular disease clinical & metrological framework SEPTIMET: metrology developments to improve identification and treatment of sepsis – Focus on Procalcitonin activities 	<ul style="list-style-type: none"> Philippe Gillery (Reims Univ., France) Rainer Stosch (PTB, Germany) Milena Quaglia (LGC, UK) Claudia Swart (PTB, Germany) Vincent Delatour (LNE, France) Amandine Boeuf (LNE, France) 	<ul style="list-style-type: none"> 11:20 11:40 11:55 12:10 12:25 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 Problems of lack of harmonization in blood transmitted disease serology Building and maintaining reference measurement systems for kidney disease markers Isotope dilution mass spectrometric method for the measurement of albumin in urine and its application in accuracy-based EQA Programmes in Singapore 	Silvia Quiroga (ProgBA, Argentina) 13:45 Marta Torres (ProgBa, Argentina) 14:00 Karen Phinney (NIST, USA) 14:15 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 Implementation of the reference system for hemoglobin A2: what impact on thalassemia screening and diagnosis Monitoring anticoagulant therapy with the INR test 	Graham Jones (ILAC) 14:45 Andrea Mosca (Milan Univ., Italy) 15:00 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	