

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
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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	Hubert Vesper (CDC)	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 - venue BIPM

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

Chair: Paul Harrison

• Overview and update of ICSH activities in haematology standardization	Paul Harrison (ICSH)	16.00
• Implementation of the reference system for total haemoglobin	Denis Grote-Koska (RfB, Germany)	16.20
• Overview of reference measurement system approach for blood cell counting	Andreas Kummrow (PTB, Germany)	16.40
• Reference method for the leukocyte differential count	Marie Christine Bene (Nantes Univ., France)	17:00
• Discussion		17:20

Parallel session - venue CIEP, Sèvres

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)	16:00
• SoGAT – Progress in the development of reference standards for NAT detection and measurement of infectious disease	Neil Almond (NIBSC, United Kingdom)	16:15
• Digital PCR for the characterization of reference materials	Megan Cleveland (NIST, USA)	16:30
• The development of measurement procedure for quantification of human cytomegalovirus	Mojca Milavec (NIB, Slovenia)	16:45
• Digital PCR as a reference measurement procedure for HIV quantification	Jim Huggett (LGC, United Kingdom)	17:00
• Discussion: Challenges and opportunities for the quantification of nucleic acids in clinical diagnosis and disease management		17:15
	Reception and posters	17:30
	Dinner	19:30

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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		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"> 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 	Karen Phinney (NIST, USA)	14:00	
	Qinde Liu (HSA, Singapore)	14:15	
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)	14:30	
	Andrea Mosca (Milan Univ., Italy)	14:45	
	Christa Cobbaert (Leiden Univ., Netherlands)	15:00	
	Break	15:15	
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) 		15:40	
Session 12: Summary by JCTLM Chair.			
<ul style="list-style-type: none"> Summariser 	Ian Young	16:30	
	Close	17:00	