

**Preliminary
Program**



Multi-omics, laboratory medicine & personalized medicine

IFCC WORLDLAB DURBAN 2017

**23rd International Congress of Clinical Chemistry
and Laboratory Medicine
(IFCC Worldlab 2017)**

**57th Meeting of the South African Association for Clinical
Biochemistry**

**5th Congress of the African Federation of Clinical
Chemistry**

22-25 October 2017

Durban, South Africa

Durban International Convention Center



DATES TO FOCUS ON

15 May 2017

Poster abstract deadline

15 July 2017

Deadline for reduced fees registration

22 - 25 October 2017

IFCC Worldlab Durban 2017

ORGANIZING SECRETARIAT



MZ Congressi srl

Member of the MZ International Group

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INVITATION

Multi-omics, laboratory medicine & personalized medicine



On behalf of the Congress Organising Committee and the South African Association for Clinical Biochemistry (SAACB), it gives me great pleasure to invite colleagues to the Congress of Clinical Chemistry and Laboratory Medicine (WorldLab). This meeting is also being organized in co-operation with the African Federation of Clinical Chemistry (AFCC). It is the first time that such a meeting is being held in Africa and reflects the growing importance of this continent.

WorldLab 2017 promises to be one of the best with a unique blend of innovative science, evidence based laboratory medicine and an emphasis on personalized medicine. This reflects the changing directions of science and medicine with greater attention being paid to prevention and risk stratification. Because of the expanding role of laboratory medicine, we plan to combine this meeting with other clinical specialties which will underscore the overarching influence of laboratory medicine in health care.

The scientific and social programmes will provide opportunities to forge new collaborations and to connect with leaders of the diagnostic industry at the IVD product show linked to the three-day conference/workshop program. We are confident that this meeting will attract delegates from all the member IFCC societies and that each regional federation will play an important role in making this meeting one of the best in recent times.

Africa is traditionally associated with its magnificent wildlife and unique cultural diversity. South Africa provides an opportunity to discover both of them. Durban, a melting pot for African and Indian cultures, is a coastal city with a tropical climate and pristine beaches and surfing. Namibia, Zambia, Zimbabwe, Mozambique and Botswana are close by and can easily be assessed by air via Johannesburg. Durban is the site for various clinical trials and some of the major breakthroughs in the management of patients with HIV have been made here. The kingdom of KwaZulu-Natal, South Africa beckons and extends a warm welcome to all of you. It's a unique cultural destination littered with historical sites of past battles fought between the Zulus and the British forces. Hiking in the majestic Drakensburg Mountains, barely an hour away, is an activity not to be missed. The famous Table Mountain in Cape Town and the world renowned Kruger National Park are easily accessible.

The Organizing Committee of WorldLab, the South African Association for Clinical Biochemistry and African Federation of Clinical Chemistry look forward to welcoming you to Durban in the Royal Kingdom of KwaZulu-Natal, South Africa in 2017.

Professor Rajiv Erasmus,
Congress President and Chairman of the Organizing Committee, WorldLab 2017, Durban

A handwritten signature in black ink, appearing to read 'Rajiv Erasmus', written over a light blue wavy background.

COMMITTEES

CONGRESS ORGANISING COMMITTEE

R.T. Erasmus	<i>Congress President, Congress Organising Committee Chair</i>
T.S. Pillay	<i>Congress President, Scientific Programme Committee Chair</i>
N. Crowther	<i>Abstracts</i>
V. Steenkamp	<i>Social Programme</i>
A. Zemlin	<i>Finance</i>
R.T. Erasmus	<i>IFCC C-CC Liaison</i>
A.B. Okesina	<i>AFCC Liaison</i>

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J. Delanghe (Belgium)
R.T. Erasmus (South Africa)
T. Matsha (South Africa)
S. Sandberg (Norway)
M. Turzyniecka (South Africa)
A. Zemlin (South Africa)
D. Sacks (USA)
I. Young (United Kingdom)
P. Gillery (France)
A.B. Okesina (Nigeria)
M. Montserrat Blanes Gonzales (Paraguay)
N. Crowther (South Africa)

as of November 2016

COMMITTEES

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T.S. Pillay *Congress President, Scientific Programme Committee Chair*

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A. Mosca (Italy)	

as of November 2016

WORLDLAB DURBAN

day	SUNDAY 22 OCTOBER
room	MAIN HALL
17.30 19.30	OPENING CEREMONY
SOCIAL PROGRAM	WELCOME PARTY

day	MONDAY 23 OCTOBER				
room	MAIN HALL	CONF 1	CONF 2	CONF 3	EXHIBITION HALL
9.00 - 11.00	SYM 1	SYM 2	SYM 3	IFCC SYM 1	10.00-17.00 Exhibition open
11.00 - 11.45	BREAK				
11.45 - 12.30	PL 1				
12.30 - 14.30	LUNCH SYM 1	LUNCH SYM 2	LUNCH SYM 3	LUNCH SYM 4	
14.00 - 17.30	IFCC SYM 2 14.00-16.00	EduW 1 14.00-15.00	SYM 4	SYM 5	
		Workshop 15.15-16.15			
		EduW 3 16.30-17.30	EduW 4 16.30-17.30	Workshop 16.30-17.30	

2017 WEEK AGENDA

day	TUESDAY 24 OCTOBER				
room	MAIN HALL	CONF 1	CONF 2	CONF 3	EXHIBITION HALL
9.00 - 11.00	SYM 6	SYM 7	SYM 8	IFCC SYM 3	10.00-17.00 Exhibition open
11.00 - 11.45	BREAK				
11.45 - 12.30	PL 2				
12.30 - 14.30	LUNCH SYM 5	LUNCH SYM 6	LUNCH SYM 7	LUNCH SYM 8	
14.00 - 17.30	IFCC SYM 4 14.00-16.00	EduW 7 14.00-15.00	SYM 9	SYM 10	
		EduW 8 15.15-16.15			
		EduW 9 16.30-17.30	Workshop 16.30-17.30	Workshop 16.30-17.30	Workshop 16.30-17.30

day	WEDNESDAY 25 OCTOBER				
room	MAIN HALL	CONF 1	CONF 2	CONF 3	EXHIBITION HALL
9.00 - 10.30	SYM 11	SYM 12	SYM 13	IFCC SYM 5	10.00-15.00 Exhibition open
10.30 - 11.00	BREAK				
	Workshop 11.00-12.00	SYM 14 10.45-12.15	SYM 15 10.45-12.15	Workshop 11.00-12.00	
12.30 - 15.00	PL 3 12.20-13.00				
	CLOSING CEREMONY				
					Closing Exhibition 13.30-15.00

PRELIMINARY PROGRAM

Sunday, 22 October 2017

17:30-19:30

OPENING CEREMONY

Welcome addresses

Awards Ceremony

Opening Lecture

HIV in women in Africa: new evidence from phylogenetic, genomic and protein research

Salim S. Abdool Karim (South Africa)



Salim S. Abdool Karim, MBChB, PhD, DSc (honoris causa) is a clinical infectious diseases epidemiologist widely recognised for his ground-breaking scientific contributions in HIV prevention and treatment. He is Director of CAPRISA - Centre for the AIDS Programme of Research in South Africa; Pro Vice-Chancellor (Research), University of KwaZulu-Natal; CAPRISA Professor of Global Health at Columbia University, Adjunct Professor of Medicine, Cornell University and Associate Member of The Ragon Institute of Massachusetts General Hospital (MGH), Massachusetts Institute of Technology (MIT) and Harvard University.

His contributions to microbicides for HIV prevention spans two decades and culminated in the CAPRISA 004 tenofovir gel trial which provided proof-of-concept that antiretroviral drugs can prevent sexually transmitted HIV infection and herpes simplex virus type 2 in women. He is co-inventor on patents which have been used in several HIV vaccine candidates and his clinical research on TB-HIV treatment has shaped international guidelines on the clinical management of co-infected patients. He chairs the UNAIDS Scientific Expert Panel and is a member of both the WHO HIV-TB Task Force and the WHO Expert Panel on STIs and HIV. He is an elected Fellow of the World Academy of Sciences, African Academy of Sciences, Academy of Science in South Africa, Royal Society of South Africa and American Academy of Microbiology. He is a Foreign Associate Member of the US National Academy of Medicine. He serves on the Boards of Lancet-Global Health, Lancet-HIV and the New England Journal of Medicine.

PRELIMINARY PROGRAM

Monday, 23 October 2017

09:00-11:00

PARALLEL SYMPOSIA

Symposium 1

LABORATORY REFERENCE INTERVALS: GLOBAL INITIATIVES AND HARMONIZATION CHALLENGES

Chair: K. Adeli (Canada)

Global Initiatives on
Reference Intervals
and IFCC C-RIDL
Recommendations
K. Ichihara (Japan)

Closing the Gaps in
Pediatric Reference
Intervals: The CALIPER
and CHMS initiatives
K. Adeli (Canada)

Harmonization of
Laboratory Reference
Intervals: The
Australian Experience
J. Tate (Australia)

Symposium 2

APPLYING BIG DATA IN THE IMPROVEMENT OF LABORATORY PRACTICE

Chair: Y.V. Zhang (USA)

Applying big data in the
selection of optimal
test platform
Y.V. Zhang (USA)

Translation from big
data to clinically useful
tests
Z. Zhao (USA)

Applying big data of
patient test results in
the detection of lab
errors and monitoring
quality control
M. Jin (USA)

Symposium 3

AFFORDABLE DIAGNOSTICS FOR AFRICA

Chair: J. Delanghe (Belgium)

Affordable CRP testing
*P.L. Tugirimana
(Rwanda)*

Keratin glycation: an
alternative for diabetes
testing
*A.S. Kishabongo
(Democratic Republic of
Congo)*

Affordable
microalbumin testing
J. Delanghe (Belgium)

PRELIMINARY PROGRAM

Monday, 23 October 2017

09:00-11:00

PARALLEL SYMPOSIA

IFCC Symposium

RECENT ADVANCES IN STANDARDISATION

Chair: G. Miller (USA)

Commutability
issues in
standardization
of laboratory
measurement
procedures
G. Miller (USA)

Standardization
of Pregnancy-
Associated
Plasma Protein A
*S. Wittfooth
(Finland)*

Standardization
of urine albumin
assays
*L. Bachmann
(USA)*

Standardization
of CSF proteins
*K. Blennow
(Sweden)*

10:00-17:00

EXHIBITION OPEN

11:00-11:45

Break

PRELIMINARY PROGRAM

Monday, 23 October 2017

11:45-12:30

PLENARY LECTURE

Genetic diagnosis for hypercalcaemic and hypocalcaemic disorders

R. Thakker (United Kingdom)



Rajesh Thakker is the May Professor of Medicine at the University of Oxford, and a Fellow of Somerville and Harris Manchester Colleges, Oxford. His main research interests include the molecular basis of disorders of calcium homeostasis and he has authored over 350 publications, which have included peer-reviewed papers in the New England Journal of Medicine, Nature, Nature Genetics, Journal of Clinical Investigation and Lancet Journals. He is a Consultant Endocrinologist who provides expertise in the fields of neuroendocrine tumours (NETs), and disorders of calcium and phosphate metabolism. He was

previously Professor of Medicine at The Royal Postgraduate Medical School, The Hammersmith Hospital, London, until 1999, when he took up his present position in Oxford. He has served on the MRC Physiological Medicine and Infections Board (2000-2005), the Council for the Society for Endocrinology (2003-2006), and as Chairman of the National Institute of Health Research (NIHR) / MRC Efficacy and Mechanisms Evaluations (EME) Board (2008-2016). He has been the recipient of many prizes which include: Young Investigator Award from the American Society for Bone and Mineral Research (ASBMR), USA (1988); the Raymond-Horton Smith Prize (Cambridge University, UK) (1994); the Society for Endocrinology (UK) medal (1995); the European Journal of Endocrinology Prize (EFES) (1998); WPU Jackson Memorial Lecture, Society for Endocrinology, Metabolism, and Diabetes in South Africa (SEMSDA) (1998); the Graham Bull Prize from the Royal College of Physicians (UK) (1999); Bernard Pimstone Memorial Lecture, SEMSDA (2003); the Parathyroid Medal from the Fondazione Raffaella Becagli (FIRMO) (2012); the Jack W. Coburn Endowed Lectureship from the American Society of Nephrology (2012); the Louis V Avioli Founder's Award from the ASBMR (USA) (2009); the International Research Prize from the Austrian Society for Bone and Mineral Research (2015); and the Dale Medal from the Society for Endocrinology (UK) (2015). Professor Thakker was elected to the Fellowship of the Royal Society (FRS) in 2014.

PRELIMINARY PROGRAM

Monday, 23 October 2017

12:30-14:00

LUNCH SYMPOSIA

Lunch Symposium 1

LIQUID BIOPSY: CIRCULATING PLASMA FREE DNA (CFDNA) AS A NOVEL PROGNOSTIC AND DIAGNOSTIC MARKER IN DISEASE STATES

Chair: T. Ozben (Turkey)

Plasma foetal DNA for prenatal screening
U. Gormus (Turkey)

Liquid biopsy: studies on circulating DNA in the diagnosis of melanoma tumours
A. Tomasi (Italy)

Liquid biopsy: ctDNA as a novel prognostic biomarker in cancer
T. Ozben (Turkey)

Lunch Symposium 2

FRONTIERS IN ENDOCRINOLOGY

Chair: S.J. Soldin (USA)

Role of mass spectrometry in improving diagnosis and treatment of thyroid and adrenal diseases
S.J. Soldin (USA)

The endocrinologists perspective
N. Levitt (South Africa)

Methods and interferences in the analysis of haemoglobin A1c. Is there an ideal method
D. Sacks (USA)

PRELIMINARY PROGRAM

Monday, 23 October 2017

12:30-14:00

LUNCH SYMPOSIA

Lunch Symposium 3

AFCC SYMPOSIUM-INFECTIIONS AND DIABETES

Chair: R. Erasmus (South Africa)

Speakers to be announced

Lunch Symposium 4

BIOMARKERS IN UROLOGICAL CANCER

Chair: T. Zima (Czech Republic)

Receptor for advanced
glycation end products
in kidney cancer

*T. Zima, M. Kalousová
(Czech Republic)*

Epigenetic
nucleosomics
biomarkers for
detection and
management of
urological cancer
*S. Holdenrieder
(Germany)*

12:30-14:00

Break and Poster Session

PRELIMINARY PROGRAM

Monday, 23 October 2017

14:00-16:00

PARALLEL SYMPOSIA

IFCC Symposium

EVIDENCED BASED LABORATORY MEDICINE (EBLM); A GLOBAL PERSPECTIVE

Chair: A. Zemlin (South Africa)

What is EBLM
and why do we
need it?

*C.M. Florkowski
(New Zealand)*

Why do
Guidelines vary
so much and
how do we
recognise a good
one?

J. Wils (France)

Global feedback
on EBLM-
perceptions and
requirements for
training

*K. Rodriquez-
Capote (Canada)*

Getting the
EBLM message
out to the world-
new resources

*H. Fares-Taie
(Argentina)*

Symposium 4

RISK MANAGEMENT AND ITS UTILITY IN THE CLINICAL LABORATORY

Chair: E. Frank (India)

Speakers to be announced

WASPaLM Symposium

The ethics of genetics"
or "The ethical issues of
infectious diseases

I. Loftus

Circulating cell-free
DNA in cancer and
transplantation

M. Oellerich (Germany)

Global feedback on
Defining a Medical act
in Laboratory Medicine

R. Verna (Italy)

PRELIMINARY PROGRAM

Monday, 23 October 2017

15:15-16:15

PARALLEL SYMPOSIA

Nordic Symposium

PRE AND POST ANALYTICAL QUALITY WORK IN MEDICAL LABS

Chair: Y. Bliksrud (Norway)

The Pre-analytical
phase

M. Nybo (Denmark)

The Post-analytical
phase

L. Morkrid (Norway)

16:30-17:30

PARALLEL SYMPOSIA

Dutch Symposium

**PERSONALISED MEDICINE ROLE OF BIOMARKERS IN PRECISION
MEDICINE**

Chairs: R.H.N. van Schaik, R. de Jonge (Netherlands)

Clinical implementation
of pharmacogenetics:
DNA passport?

*R.H.N. van Schaik
(Netherlands)*

Cell free DNA as a new
biomarker for
monitoring lung cancer

*D. van den Broek
(Netherlands)*

Predicting MTX non-
responders in adult and
juvenile arthritis

*M. Bulatović Čalasan,
R. de Jonge
(Netherlands)*

Dutch Symposium

METABOLOMICS: THREE BIOMARKER GALAXIES

Chairs: R.A. Wevers (Netherlands)

Lipidomics – more than
cholesterol and
triglycerides

*F.M. Vaz
(Netherlands)*

Next Generation
Metabolic Screening –
metabolites as
biomarkers

*L. Kluijtmans
(Netherlands)*

Clinical Glycomics: a
nurture level on top of
genes and proteins

*M. van Scherpenzeel
(Netherlands)*

PRELIMINARY PROGRAM

Tuesday, 24 October 2017

09:00-11:00

PARALLEL SYMPOSIA

Symposium 6 - Colabiocli

DENGUE FEVER, CHAGAS DISEASE, CHIKUNGUNYA AND ZIKA

Chair: G. Queiruga

Speakers to be announced

Symposium 7

CLINICAL LABORATORY PRACTICE FOR BONE TURNOVER MARKERS

Chair: H. Morris (Australia)

Bone turnover markers in diagnosis and monitoring of metabolic bone disease; choosing the best marker for that patient, decision limits and treatment targets
S. Vasikaran (Australia)

Bone Markers for Metastatic and Cancer Therapy Related Bone Diseases
Q.H. Meng (USA)

Bone Turnover Marker measurement; physiological principles and analytical issues; providing the optimum analytical service
H. Morris (Australia)

PRELIMINARY PROGRAM

Tuesday, 24 October 2017

09:00-11:00

PARALLEL SYMPOSIA

Symposium 8

ADVANCES IN TB DIAGNOSTICS

Chair: I. Verma (India)

TB diagnosis:
essentials the clinician
needs from the
laboratory now and in
the future?

K. Dheda (South Africa)

Regulatory T cell &
Programmed Death
Receptor-1 in human
Tuberculosis:
Implications in
diagnosis,
immunotherapy and
vaccination

D.K. Mitra (India)

In vivo expressed
mycobacterial
genes/proteins as
diagnostic biomarkers
for tuberculosis

I. Verma (India)

IFCC Symposium

IMPLEMENTING CANCER GENOMICS IN LOW RESOURCE SETTINGS

Chair: J. Park (USA)

Advanced
techniques for
low resource
settings

L. Kricka (USA)

The promise of
cancer genomics

E. Londin (USA)

Clinical
applications of
genomic testing

P. Fortina (USA)

Infrastructure
requirements for
genomic
oncology

J. Park (USA)

10:00-17:00

EXHIBITION OPEN

11:00-11:45

Break

PRELIMINARY PROGRAM

Tuesday, 24 October 2017

11:45-12:30

PLENARY LECTURE

The Nanobody revolution in laboratory diagnostics

S. Muyldermans (Belgium)



Serge Muyldermans is Professor, Department of Cellular and Molecular Immunology, Vrije Universiteit Brussel, Brussels, Belgium. His main interest is in developing biochemical tools to investigate the molecular structure and function of chromatin (nucleosomes). As such, cloning genes, screening genomic and cDNA libraries, site-directed mutagenesis, and producing recombinant proteins were part of the repertoire. Following the serendipitous discovery of natural occurrence of functional heavy chain only antibodies in camelids he developed a streamlined method to identify rapidly the antigen-specific,

single-domain antibody fragments derived from the unique Heavy chain antibodies of camelids. Because these antibodies lack light chains, the antigen-binding domain must comprise only the single variable domain of the immunoglobulin heavy chain. Thus, they developed the technology to immunize a dromedary, llama, or alpaca; to clone the genes for the single variable domain (now known as Nanobody); and to select the antigen-binding domains by phage display. Furthermore, they have explored possible applications for these nanobodies where their small size and biochemical properties are beneficial. The discovery of camel Heavy-chain antibodies and the applications of their unique single variable antigen-binding domain (now referred to as Nanobodies) led to the publication of over 150 articles in peer reviewed international journals, many of which appeared in top journals. In January 2002, he was co-founder of 'Ablynx', a spin-off company that generates Nanobodies for therapeutic purposes. Ablynx is currently employs about 300 people and has several Nanobodies in clinical trials.

PRELIMINARY PROGRAM

Tuesday, 24 October 2017

12:30-14:00

LUNCH SYMPOSIA

Lunch Symposium 5

IFCC WG-TEP - "TRACEABILITY IN LABORATORY MEDICINE: WHAT IS IT AND WHY IS IT IMPORTANT?"

Chair: G. Beastall (United Kingdom)

Traceability in
laboratory medicine:
what every laboratory
specialist should know
G. Myers (USA)

Traceability and
harmonization -
powerful tools for
trueness of laboratory
results
*E. Theodorsson
(Sweden)*

Why traceability in
laboratory medicine is
important for patients
*G. Beastall (United
Kingdom)*

Lunch Symposium 6

HIGH SENSITIVITY CARDIAC TROPONIN ASSAYS -TO INFINITY AND BEYOND: PERSPECTIVES FROM EMERGENCY MEDICINE, CARDIOLOGY AND LABORATORY MEDICINE

Chair: F. Apple (USA)

Speakers to be announced

PRELIMINARY PROGRAM

Tuesday, 24 October 2017

12:30-14:00

LUNCH SYMPOSIA

Lunch Symposium 7

PRACTICAL ASPECTS OF TAKING LABORATORY TO NEXT STEP

Chair: A. Gupta (India)

Measurement of
uncertainty- Its
practical application in
a laboratory setup of a
large tertiary care
hospital

A. Gupta (India)

Moving ahead with six
sigma

S. Sharma (India)

How to achieve
comparable thyroid
function test across
laboratories

B. Das (India)

Lunch Symposium 8

**DEVELOPING CLINICAL CASE BANKS AS A KNOWLEDGE BASE FOR
EBLM**

Chair: K. Ichihara (Japan)

Speakers to be announced

12:30-14:00

Break and Poster Session

PRELIMINARY PROGRAM

Tuesday, 24 October 2017

14:00-16:00

PARALLEL SYMPOSIA

IFCC Symposium

VALUE OF LABORATORY MEDICINE IN HEALTHCARE DELIVERY

Chair: K. Adeli (Canada)

Anatomy of a value proposition for laboratory medicine

H. Morris (Australia)

Critical review of the evidence supporting the value of lab medicine in clinical care

K. Adeli (Canada)

Demonstrating the value of laboratory tests: a clinical and economic perspective

B. Jordan (Switzerland)

Symposium 9

ADVANCED GLYCATION END PRODUCTS (AGES) IN DIABETES MELLITUS AND CHRONIC DISEASES

Chair: P. Gillery (France)

Post-translational modification derived products (PTMDPs) and AGEs : bioactive components involved in human pathophysiology
P. Gillery (France)

AGEs as biomarkers in diabetes and chronic diseases

R. Erasmus (South Africa)

Non Invasive Glycation Testing

J. Delanghe (Belgium)

PRELIMINARY PROGRAM

Tuesday, 24 October 2017

14:00-16:00

PARALLEL SYMPOSIA

IFCC Symposium

FACING THE FUTURE OF ALZHEIMER'S DISEASE: THE VALUE OF THE MEDICAL LABORATORY

Chair: S. Bernardini (Italy)

Measurement and clinical utility of CSF proteins

K. Blennow (Sweden)

The diffusion, standardization and harmonization of cerebrospinal fluid biomarkers analysis for the diagnosis of Alzheimer's disease

A. Perret-Liaudet (France)

The *Omics* approach to Alzheimer's Disease

S. Bernardini (Italy)

16:30-17:30

PARALLEL SYMPOSIA

Workshop

**TRAINING PROGRAMS FOR BIOMEDICAL SCIENTISTS
LABORATORY MEDICINE SPECIALISTS**

Chair: T. Matsha (South Africa)

Speakers to be announced

PRELIMINARY PROGRAM

Tuesday, 24 October 2017

16:30-17:30

PARALLEL SYMPOSIA

Workshop

INTERPRETATION & COMMENTING ON CLINICAL CHEMISTRY RESULTS

Chair: S. Vasikaran (Australia)

Case presentation and discussion

E. Kilpatrick (Qatar)

Case presentation and discussion

M. J. Turzyniecka (South Africa)

Case presentation and discussion

S. Vasikaran (Australia)

Workshop

THE PORPHYRIAS: FROM CLINICAL PRESENTATION TO A DIAGNOSIS. THE ROLE OF THE LABORATORY PROFESSION

Chair: S. Sandberg (Norway)

An overview of the biochemistry of porphyrias

P. Meissner (South Africa)

An overview of the clinical presentations of porphyrias

R. Hift (South Africa)

How to diagnose the different porphyrias: Perspectives of the laboratory

S. Sandberg (Norway)

PRELIMINARY PROGRAM

Wednesday, 25 October 2017

09:00-10:30

PARALLEL SYMPOSIA

Symposium 11

EMERGING CHALLENGES OF LABORATORY MEDICINE

Chair: A. Raizada (India)

Lean management and
its challenges

A. Raizada (India)

Laboratory Errors and
Patient safety: An

ongoing challenge

P. Dabla (India)

Laboratories and POCT:
A real time solution

A. Gupta (India)

Symposium 12 - AACC

BIG DATA AND METABOLOMICS IN PEDIATRIC LABORATORY MEDICINE

Chair: M.J. Bennett (USA)

Untargeted metabolic
analysis in pediatric
laboratory medicine:
over 30 years of
experience and still
learning

M.J. Bennet (USA)

Retrospective and
Prospective Data

Mining to develop

Robust Value

Databases for

Biomarkers of Pediatric
Disease

K. Adeli (Canada)

Retrospective and
prospective data mining
to develop continuous,
covariate-adjusted
reference and disease
percentiles for
biomarkers of pediatric
disease

P. Rinaldo (USA)

Symposium 13 - ISOBM/EGTM

CIRCULATING TUMOR MARKERS: AN UPDATE

Chair: R. Molina (Spain), M. Duffy (Ireland)

Overview of Tumor
Markers

R. Molina (Spain)

PSA in Screening for
Prostate Cancer: More

Good Than Harm or

More Harm Than Good

M. Duffy (Ireland)

How to Achieve Quality
in the Measurement of
Tumor Markers

*C. Sturgeon (United
Kingdom)*

PRELIMINARY PROGRAM

Wednesday, 25 October 2017

09:00-10.30

PARALLEL SYMPOSIA

IFCC Symposium

STANDARDIZATION IN LABORATORY MEDICINE BEYOND CLINICAL CHEMISTRY

Chair: P. Gillery (France)

Standardization:
a universal need

*P. Gillery
(France)*

Standardization
of Hb A2

A. Mosca (Italy)

Standardization
of autoimmune
tests

*J. Sheldon
(United
Kingdom)*

Standardization
in molecular
diagnostics

D. Payne (USA)

10:30-11:00

Break

11:00-12:00

PARALLEL SYMPOSIA

Workshop

BRIDGING THE GAPS BETWEEN LABORATORY MEDICINE & CLINICAL DECISION MAKING: CHALLENGES AND CONUNDRUMS: AN INTERACTIVE WORKSHOP

Chair: T.S. Pillay (South Africa)

Standardisation in the
clinical laboratory: a
case based perspective
of why we should aim
for standardisation

*A. Don-Wauchope
(Canada)*

Clinical cut-points and
reference intervals in
the clinical laboratory:
a case based
perspective of issues in
clinical practice

P.J Twomey (Ireland)

Investigation of
interferences in general
chemistry and
endocrine testing

T.S. Pillay (South Africa)

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PRELIMINARY PROGRAM

Wednesday, 25 October 2017

11:00-12:00

PARALLEL SYMPOSIA

Symposium 14 - IFCC-TFYS

ISO ACCREDITATION & QUALITY ASSURANCE

Chair: G. Beastall (United Kingdom)

Understanding
External Quality
Assessment &
Internal Quality
Control

P. Dabla (India)

Quality
Management
System for
Laboratory

Speaker tba

Stepwise
Approach to Lab
Accreditation in
Africa

Speaker tba

Status of Lab
Accreditation in
South-Africa
*R.T. Erasmus
(South Africa)*

11:00-12:00

PARALLEL SYMPOSIA

Symposium 15

**CC-LM - IMPROVEMENT IN CLINICAL LABORATORY SERVICES:
APPROACHES TO ADDING VALUE**

Chair: S. Yenice (Turkey)

From provider of
results to the
contributor of value:
Adding value to clinical
laboratory services
through the use of Six
Sigma metrics

E. Randell (Canada)

Direct-to-Consumer
Testing: Challenges
with Lifestyle Tests

M. Orth (Germany)

Implementing value
based laboratory
testing

A. Khine (South Africa)

PRELIMINARY PROGRAM

Wednesday, 25 October 2017

11:00-12:00

PARALLEL SYMPOSIA

Arab Federation Workshop

THE EVOLUTION OF LAB MEDICINE IN THE ARABIC COUNTRIES

Chair: L. Chabraoui (Morocco), B. Gouget (France)

The role of
International
aids to fight
AIDS,
Tuberculosis and
Malaria in
developing
countries with
special emphasis
on Africa
G. Shannan
(Syria)

Pandemic
Preparation and
Response in the
AFCB countries
M. Haddad
(Lebanon)

The primary care
and the lab: an
AFBC concern
M.H. Kamil

Round table
session on
Quality
management
and EQC in the
Arab Federation
countries

12:20-13:00

PLENARY LECTURE

The Nanobody revolution in laboratory diagnostics

W. Bishai (USA)

13:00

CLOSING CEREMONY

CONGRESS VENUE

The 23rd ICCCLM 2017 Congress will be held at the DURBAN INTERNATIONAL CONVENTION CENTRE. Awesome in size, the Durban ICC is one of the most advanced event facilities in the world.



DURBAN INTERNATIONAL CONVENTION CENTRE

45 Bram Fischer Road
Durban, 4001
South Africa

HOW TO GET TO DURBAN

By plane

Access to South Africa is easy!

Fast Facts: 76 Countries are exempt for South African Visas | 32 International Airlines fly into South Africa direct | Direct flights into South Africa depart from more than 60 airports internationally, including Frankfurt, Munich, Heathrow, New York, Buenos Aires and Beijing | 6 Domestic Airlines currently fly between the major city centres including Airlink, British Airways t/a Comair, Kulula.com, Mango Airlines, South African Airways and South African Express

International

www.airports.co.za

King Shaka International Airport (DUR) –

Airports:

The airport is 22 miles (32km) north of Durban: direct

O.R. Tambo International Airport (ORTIA)(JNB) – The airport is 14 miles (22km) east of Johannesburg:

Cape Town International Airport (CPT) – The airport is 13 miles (20km) east of Cape Town.

More information will be available on the website.

By car

From Johannesburg, OR Tambo International Airport: 577kms approx. 6 ½ hours of which 555kms are the N3 highway.

From Cape Town, International Airport: 1640 kms approx. 20 hours of which 1500kms of which are the N2 highway.

OFFICIAL CARRIER



Emirates is the official carrier of the IFCC WorldLab Durban 2017 Congress. Special offers and discounts for delegates will be indicated on the web site of the Congress.

GENERAL INFORMATION

LANGUAGE

The official language of the Congress will be English.

ABSTRACTS

Abstracts of free contributions, covering the field of Clinical Chemistry, Clinical Molecular Biology and Laboratory Medicine in the broader sense can be submitted. Preference for Poster or Oral presentation should be indicated at the time of submission since a poster sessions as well as oral presentations of scientific contributions from participants will be arranged.

Abstracts can only be submitted via the Internet. Deadline for Abstracts submission is 15th May 2017. Further information on how to submit abstracts will be published on our website.

EXHIBITION

A major exhibition of the latest technical equipment for laboratory medicine will be arranged during the Congress. It will be located in dedicated areas of the Congress Center.

ACCOMMODATION

Special congress rates have been secured for all participants and can be booked online via our website. Please contact:

XL Millennium

Lower Vasco Boulevard
Goodwood

Cape Town - South Africa

TEL: 021 590 7900

Email: lindab@millenniumtravel.co.za



CONGRESS LOGO



The logo of Worldlab 2017 captures the geographical and cultural splendour of Durban, the second largest city in South Africa and the largest municipality on the Indian ocean side of the African continent.

The central feature is the iconic Moses Mabhida stadium, a purpose-built venue for the 2010 Soccer World Cup, the first time the tournament was staged in Africa. The stadium resembles a futuristic spacecraft. The warmth of the Indian ocean and the spectacular beaches of Durban are reflected in the waves and surfboard. Durban is in the Zulu kingdom province of KwaZulu-Natal and the Zulu warrior depicts the immense historical and cultural contribution of the Zulu nation, the largest ethnic group in the country, to this province and South Africa.

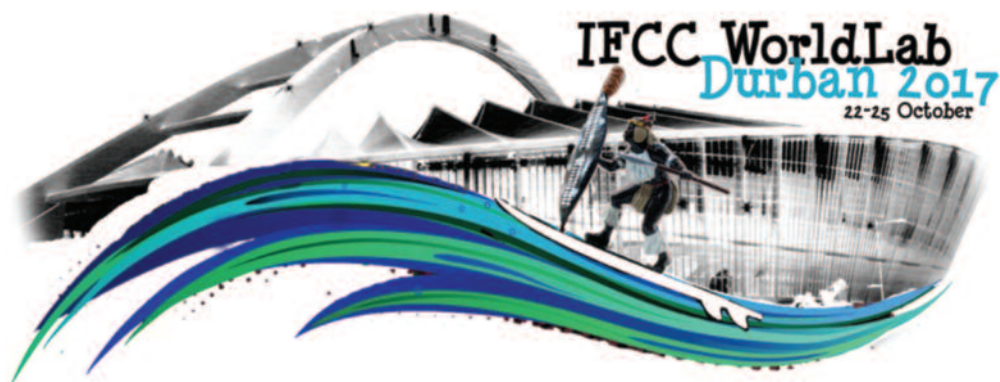
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Multi-omics, laboratory medicine & personalized medicine

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