

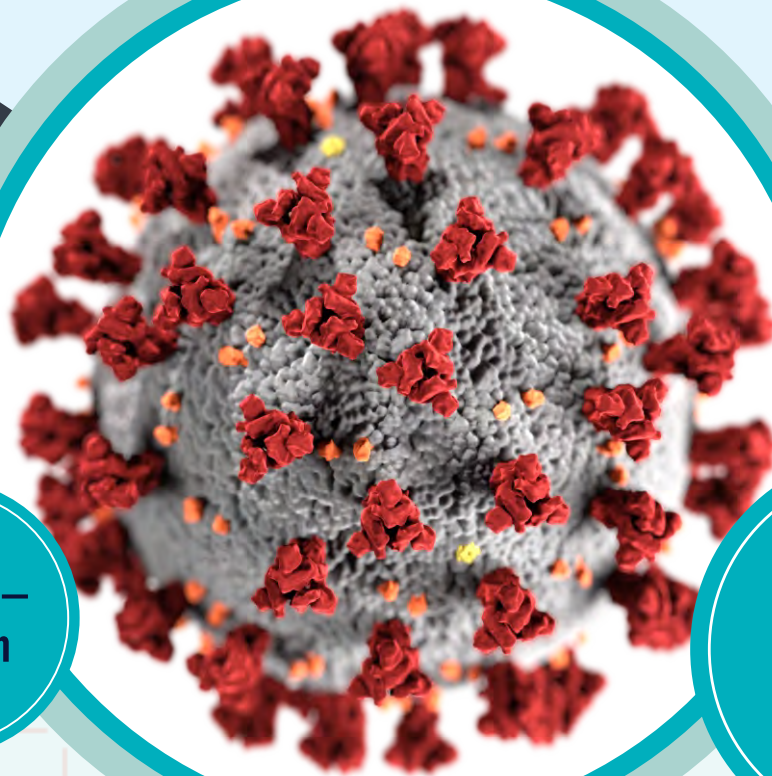
CHAIR

Conference on
Health Advances,
Innovation and Research



Theme:

COVID-19 PANDEMIC: *Consolidating the Gains and Addressing the Shortfalls*



8:00am –
5:00pm
Daily



8TH - 11TH
NOVEMBER
2021

Conference Programme



The Main Auditorium
Nigerian Institute of Medical Research,
6 Edmund Crescent, Off Murtala Mohammed Way, Yaba, Lagos.

LAGOS, NIGERIA
www.nimr.gov.ng



@NIMRNigeria

A GREATER AFRICA NEEDS A GREATER NIGERIA

NIGERIAN INSTITUTE OF MEDICAL RESEARCH (NIMR)

Theme:
**“COVID-19 PANDEMIC:
CONSOLIDATING THE GAINS AND ADDRESSING THE SHORTFALLS”**

Subthemes
Ø Rebuilding the health system post-COVID-19 pandemic
Ø Preparing for future pandemics
Ø Mental health and Pandemic response
Ø Commercializing and promoting home-grown diagnostics/therapeutics solutions

Featuring:
10th Distinguished Lecture

Date: Monday, 08th – Wednesday, 10th November 2018

Venue: Main Auditorium, Nigerian Institute of Medical Research, Yaba, Lagos

Host:
Prof Babatunde Lawal Salako
Director-General/CEO
Nigerian Institute of Medical Research

PRINCIPAL OFFICERS OF THE INSTITUTE

Prof. Babatunde Lawal Salako	Director - General / CEO
Prof. (Mrs.) Akinwale	Director of Research / Deputy DG
Alhaji A. S. Yunusazazzau	Director of Administration
Mr. Y. Ogaji	Director & HOD (Finance & Account)
Engr. E. O. Adedeji	Director & HOD (Works & Maintenance Division)
Dr. (Mrs.) O. A. Nwogbe	Deputy Director & HOD (Library & ICT)
Mrs. T. Malomo	Deputy Director & HOU (Internal Audit)

MEMBERS OF SENIOR MANAGEMENT COMMITTEE (SMC)

Prof. B. L. Salako	Director-General
Alh. A. S. Yunusazazzau	Director of Administration
Prof. N. N. Odunukwe	Director of Research, CS Department
Prof. S. I. Smith	Director of Research, MB&BT Department
Prof. O. P. Akinwale	Director of Research, PH&E Department
Engr. E.O. Adedeji	Director & Head of W&M Department
Mr. Y. Y. Ogaji	Director/HOD (F&A)
Prof. R. A. Audu	Director of Res. & Head of MCB Dept
Prof. O. C. Ezechi	Director of Research, CSD
Mr. P. O. Ejiga	Director of Planning
Mrs O.A. Nwogbe	Deputy Director (Lib. & Inf. Tech Dept)
Mrs. T. A. Malomo	DD & HOU (Internal Audit Unit)
Dr. M. A. Sulyman	Chief Research Fellow & Ag.HOD (PH&E Dept.)
Dr. David A. Oladele	Chief Research Fellow & Ag.HOD (CSD)
Dr. O. O. Aina	Chief Res. Fellow & Ag.HOD (B&N Dept.)
Dr. T. Y. Raheem	Research Fellow 1 /Ag. HOU (CDL) Unit
Dr. T. A. Bamidele	Research Fellow 1/Coordinator, MB&BT

10th CHAIR ORGANIZING COMMITTEE

Dr C.K. Onwuamah Chairman
Dr N. Onyejebu Co-Chair

Scientific Sub-committee

1. Dr Zaidat Musa Chair
2. Dr Dave Oladele Co-Chair
3. Dr Abideen Salako Member
4. Ms Ihotu Agbo Member

Finance Sub-committee

1. Ms. Comfort Otuokpaikhian Chair
2. Mr. Nkem Iwegbu Co-Chair
3. Dr N. Onyejebu Member

Rapporteurs Sub-committee

1. Dr. Muinat Fowora Chair
2. Dr Jane Okwuzu Co-Chair
3. Dr Flora Davies-Bolorunduro Member
4. Tobi Oladele Member

Logistics Sub-committee

1. Eng. Edomwonyi Osaro Chair
2. Dr T. Bamidele Co-Chair
3. Godwin Udomkpa Member
4. Mrs Bolanle Atte Member
5. Mr Samson Okeke Member

Publicity Sub-committee

1. Mr D. Johnson Chair
2. Mr B. Bayonle Co-Chair
3. Mrs. Amaka Okeke Member
4. Ms Ihotu Agbo Member
5. Miriam Abdulkareem Member

Networking Sub-committee

1 Dr T.Y. Raheem

Entertainment Sub-committee

1. Mrs. Fehintola Ige Chair
2. Mrs B. Adetunji Co-Chair
3 Mr. Kudi Abba Paulinus Member
3. Mrs Florence Okusaga Member

Hospitality/Protocol Sub-committee

1. Mr Nuhu Talmon
2. Dr Emelda Chukwu

Secretariat

1. Ms. Ifeoma Idigbe Secretary
2. Ms. Aisha Gambari Member
3. Mr. Ralph Iwegbu Member
4. Ms. Queen Ejiga Member
5. Mrs Yemi Odubela Member

NIGERIAN INSTITUTE OF MEDICAL RESEARCH,

6 Edmund Crescent, Yaba Lagos

www.nimr.gov.ng

10th CONFERENCE ON HEALTH ADVANCES, INNOVATION AND RESEARCH (CHAIR)

Theme:

“COVID-19 PANDEMIC: CONSOLIDATING THE GAINS AND ADDRESSING THE SHORTFALLS”

Sub-themes:

- Rebuilding the health system post-COVID-19 pandemic
- Preparing for future pandemics
- Mental health and Pandemic response
- Commercializing and promoting home-grown diagnostics/therapeutics solutions

Tracks

- Track A: Preventive and Alternative Medicine
- Track B: Drug, Diagnostics and Vaccines
- Track C: Mental Health and Behavioural Science
- Track D: Pandemic response and control
- Track E: Indigenous Medical Innovation
- Track F: Basic Biomedical Science
- Track G: Global health, Access, and policy
- Track H: Environmental Health

Featuring:

10th Distinguished Lecture

“COVID-19, Variants and Vaccines”

Ravindra K. Gupta, MA MPH BMBCh PhD FRCP FRCPath FMedSci

University of Cambridge, Professor of Clinical Microbiology

Date: Monday, 08th – Wednesday, 10th November 2021

Venue: Main Auditorium, Nigerian Institute of Medical Research, Yaba, Lagos

Host:

Prof. Babatunde Lawal Salako

Director-General/CEO, Nigerian Institute of Medical Research

National Anthem

Arise, o compatriots,
Nigeria's call obey
To serve our Fatherland
With love and strength and faith,
The Labour of our Heroes past
Shall never be in vain,
To serve with heart and might
One Nation bound in freedom,
peace and unity.

O God of creation
Direct our noble cause
Giude our Leaders right
Help the youth the truth to know
in love and honesty to grow
And living Just and true
Great lofty heights attain
To bulid the Nation where Peace
And justice reign.

Pledge
I pledge to Nigeria my country
To be faithful, loyal and honest
To serve Nigeria with all my strength
To defend her unity, and uphold
her honour and glory
So help me God.



His Excellency
Muhammadu Buhari, GCFR
President, Commander in Chief of the Armed Forces
Federal Republic of Nigeria

Special Guest of Honour



Boss Mustapha
Secretary to the Government of the Federation
Chair, Presidential Steering Committee on Covid-19



Dr. E. Osagie Ehanire, MD, FWACS
Honourable Minister of Health
Federal Ministry of Health



Dr. (Senator) A. O. Mamora
Honourable Minister of State for Health
Federal Ministry of Health

Keynote Speaker



Dr Faisal Shuaib
Executive Director/CEO
National Primary Health Care Development Agency

Distinguished Lecture



Prof. Ravindra Gupta
University of Cambridge
Professor of Clinical Microbiology

Chief Host



Prof. Babatunde Lawal Salako
Director-General/Chief Executive Officer
Nigerian Institute of Medical Research

Nigerian Institute of Medical Research

The Nigerian Institute of Medical Research (NIMR) is the foremost and oldest organization for research in Nigeria. It transformed from its modest beginning in 1920 as the base for the Yellow Fever Commission for West Africa through its becoming the seat of West African Council of Health to become the Nigerian Council of Health at independence in 1960. NIMR as it is now called was created by the decree 1977 under the National Science and Technology Development Agency Decree 1977

Vision

To be an institution of excellence in basic, applied and operational research for the promotion of national health and development.

Mission

To conduct research into diseases of public health importance in Nigeria and develop structures for the dissemination of research findings while providing the enabling environment and facilities for health research and training in cooperation with the federal and state ministries of health and in collaboration with universities, allied institutions and organized private sector nationally and internationally.

Mandate

The mandate of the Institute under the enabling Act of 1977, stipulates that it shall conduct research into health problems in the country essentially in the following areas:

- Communicable diseases of public health importance in the country.
- Non-communicable diseases prevalent in the country.
- Basic, applied and operational research for the prevention and control of diseases endemic in the country in cooperation with the Federal and State Ministries of Health.
- Develop human and infrastructural capacities for clinical and biomedical research in collaboration with Medical Schools, Universities and other Health-related Institutions, in and outside Nigeria.
- Disseminate the results of health research in the country through training courses, scientific publications, conferences, workshops and other communication channels to the Federal and States Ministries of Health, relevant stakeholders in the Public and Private sectors as well as the general public.

Core values

There are core values for the institute binding on every employee to live up to. These include:

- Honesty, Integrity
- Leadership
- Excellence
- Respect, Fairness, dignity
- Teamwork, responsibility
- Relevance, Innovation
- Hard work
- Fair Reward and Recognition
- Accountability and Transparency
- Communication – internal and external
- Equity



Welcome address by the Director General
Nigerian Institute of Medical Research, Yaba-Lagos
Professor Babatunde Lawal Salako

Distinguished ladies, gentlemen and our participants. I am delighted to welcome you all to the Nigerian Institute of Medical Research conference now remodelled as the Conference on Health Advances, Innovation and Research (CHAIR). This conference has been repackaged to engender national ownership for greater collaboration and impact across the entire biomedical sector. This is the maiden edition of CHAIR that seeks to direct focus on health advances and innovations from research for national health. The theme of this year's conference themed "COVID-19 pandemic; consolidating the gains and addressing the short falls" reflects our thoughts and perspective in this regard. First to appreciate the gains made in the fight against the SARS-CoV-2 virus responsible for this pandemic and consolidate on these gains especially within the health domain. Second to address the short falls and then make up for these shortfalls at this time of robust demand on health resources.

The COVID-19 pandemic affected all areas of human endeavour from economics, to social and health. The overarching impact on health for the individual including health workers, mental health, public health and health systems has been enormous. As at November the 5th, the WHO reported 248,467, 363 confirmed cases with 5,027,183 confirmed deaths globally. Nigeria, recorded 212, 446 confirmed cases and about 2,902 deaths. These figures may have increased in folds if not for advances and innovations made in COVID-19 prevention technologies through research and development. These includes advances in diagnostics that are highly sensitive and rapid; treatment options such as antiretrovirals, convalescent plasma and monoclonal antibodies; and now vaccines. While these are giant strides in reversing the impact of COVID-19 pandemic, we must not lose sight of its direct effect on other disease areas especially in Nigeria that bears the highest burden of tuberculosis, HIV and malaria. There has been an upsurge in these diseases and over the past year due to the shift in public health focus to the COVID-19. In addition, the indirect effect on mental health has also emerged.

Now is the time for consolidating on the health, social and economic gains made, prevent the potential loss of already achieved gains, as well as stem its impact on other health priorities. This conference has provided the platform for national and international key stake holders in health from the public and private sector to share experiences, research innovations and expertise in addressing the gains and shortfalls of the COVID-19 pandemic. The conference will also provide opportunities for interactions, networks and collaboration. I look forward to an exciting two days that will crystallize efforts and sustainable strategies to further address the impact of COVID-19.

I will also encourage our distinguished guests and participants to take some time off during your stay to explore the sight and sounds of Lagos metropolis. The Lagos megacity is renowned for its hospitality, vibes and entertainment. Thank you, our distinguished participants, for honouring us with your time and resources in making this conference a success.

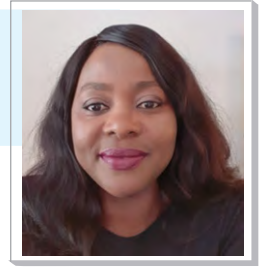
Professor Babatunde Lawal Salako MBBS(Ib), FWACP, FRCP (Edin), FRCP (Lond), MNIM
Director General/CEO



Welcome address from the
Conference Committee Chair and Co-Chair

Dr C.K. Onwuamah
Chair, COC

Dr N. Onyejebu
Co-Chair, COC

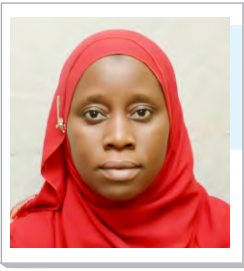


We are pleased to welcome you to the 10th Conference on Health Advances, Innovation and Research (CHAIR), hosted since 2011 by the Nigerian Institute of Medical Research (NIMR). The theme of year 2021 conference was chosen to reflect the current realities of the ongoing COVID-19 pandemic, which the sub-themes further highlight. The COVID-19 outbreak brought to fore the vulnerability of the global economy, public health systems and individuals to the ever-present threat of a pandemic in our highly mobile world.

Globally, the health workforces were brought to limelight and were voted as “Heroes” and “Men/Women of the year”. Due mostly to the fact that the pandemic has taken its toll on the healthcare workforce, ever since the crammed pictures of Chinese personnel sleeping in their hazmat suits leaked out. We have basically survived by throwing everything and everyone at the COVID-19 pandemic. However, two years on, the global commitment has yielded innovations and advances in COVID-19 public health measures, diagnostics, therapeutics, and vaccines. With improved interventions and the pandemic easing in several countries, it's time to take our learnings together, mainstream them and address the shortfalls and gaps left unattended.

The conference provides a unique platform for cross-disciplinary appreciation and consolidation of the gains made by the health sector from reversing the pandemic, particularly through innovations in healthcare technologies and health systems. More importantly, the conference will explore and proffer solutions to the shortfalls in access, delivery, and scale up of other public health interventions and control programmes that occurred while we focused on COVID-19. The hybrid conference, part of learnings from the pandemic, will utilize in-person and virtual format. We hope the conference will facilitate exchange of ideas, experiences, and discussion among the participants.

We appreciate the Director-General, NIMR management and staff for an enabling environment and resources required for the conference. We also extend our gratitude to our sponsors, speakers, presenters, partners, and participants for sharing their resources, expertise, enthusiasm, and time with us. We welcome you all with great joy and look forward to a rewarding experience for everyone.



Dr Adesola Z. Musa
Chair

Welcome address from the Scientific Sub-Committee Chair

Dr David Oladele
Co-Chair



Distinguished Participants,

On behalf of the Scientific Sub-Committee, it is our honour to welcome you to the 10th Conference on Health Advances, Innovation and Research (CHAIR) hosted by the Nigerian Institute of Medical Research with the theme “COVID-19 Pandemic: consolidating the gains and addressing the shortfalls”. Several stimulating sessions have been packaged to benefit colleagues from varied backgrounds and to enhance knowledge-sharing networking. The symposium, focusing on the conference theme and subthemes, is a must-see as it promises to update participants on current opinions.

Similarly, the pre-conference workshops have been designed to facilitate research by building the capacity of students, researchers, and academia. There will be two pre-conference activities that will take place concurrently. One will focus on project management which is meant to build more capacity among the scientific and administrative communities of institutions to adequately support science with novel management tools for impactful research. The other will help to build capacity for bioinformatics which is an interdisciplinary field that develops methods and software tools for understanding biological data. These two skills are essential skills necessary for the next generation of scientists and wouldn't want to miss any of them.

Finally, I want to appreciate all who submitted their abstracts for presentation at the conference. The quality of abstracts has greatly improved such that this year, abstracts scoring seven out of ten could only be taken as posters. More importantly, we received abstracts from both within and outside NIMR in a good mix. We are reaching our goal of making this conference a national conference with quality presentations from all over Nigeria. We were able to offer free conference registration to students this year through the support of the Aliko Dangote Foundation to whom we are immensely grateful.

We thank all our abstract reviewers for making out time to review the abstracts, especially those who took the time to provide feedback to the authors for improvement. We also thank our rapporteurs, invited expert speakers, and session chairs. The story of this conference will not be complete without you, many of whom work behind the scenes.

We thank all participants and do enjoy the conference! Best regards.

Conference Programme at a Glance

Monday, 08 th Nov 2021	Tuesday, 09 November 2021	Wednesday, 10 November 2021
	<p>Oral Abstracts Session 01 NIMR YOUNG SCIENTIST 08:00 – 09:20 am</p>	<p>Satellite Sessions 08:00 – 09:00 am OPEN</p>
	<p>Oral Abstracts Session 02 09:25 – 09:50 am</p>	<p>Oral Abstract Sessions 03 / 04 09:00 – 10:00 am</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Pre-Conference Skills-Building Workshops 08:30 – 06:00 pm 1. Project Management 2. Bioinformatics</p>	<p>OPENING CEREMONY AND KEYNOTE SPEECH 10:00 – 12:00 noon</p> <p>Host: Prof Babatunde Lawal Salako Director-General/CEO</p> <p>Special Guest of Honour: Mr Boss Mustapha, Secretary to the Government of the Federation (SGF) and Chairman, COVID-19 Presidential Steering Committee (PSC)</p> <p>Chairman of the Conference Prof Ravindra Gupta, Professor of Clinical Microbiology University of Cambridge,</p> <p>Keynote Speaker: Dr Faisal Shuaib, Executive Director/CEO National Primary Health Care Development Agency</p>	<p>PLENARY SESSION 10:00 – 12:00 noon “Addressing the shortfalls in other health sectors, Mental health and Private-sector funding” Chairs: Prof Richard Adegbola Prof Akeem Lasisi Topics: 1. COVID-19 Pandemic: addressing the shortfalls in the health sector, including neglected diseases and missed targets – Prof O. Otubanjo, University of Lagos – 20 mins 2. Private Sector funding of Health Research in Nigeria - Mrs Odunayo Sanya, Executive Secretary, MTN Foundation 3. Mental Health and Pandemic response” – Dr O. Koyejo, Federal Neuropsychiatric Hospital, Lagos – 20 mins 4. Private sector collaboration in public health; lessons from Nigeria” – Ms Zouera Youssoufou, Aliko Dangote Foundation</p>
	<p>EXHIBITIONS AND POSTERS 12:00 – 01:00 pm</p>	<p>EXHIBITIONS AND POSTERS 12:00 – 01:00 pm</p>
	<p>LUNCH BREAK 01:00 – 02:00 pm</p>	<p>LUNCH BREAK 01:00 – 02:00 pm</p>
	<p>SYMPOSIUM 02:00 – 04:00 pm</p> <p>Chairs: Prof Oni Idigbe</p> <p>1. Speakers: 1. Rebuilding the health system post-pandemic – Prof. A. Abayomi, LSMoH – 20 mins 2. Preparing for future pandemics – Prof S. Omilabu, University of Lagos – 20 mins 3. Commercializing and promoting home-grown diagnostics / therapeutics solutions – Prof. N.N. Odunukwe, NIMR – 20 mins 4. Vaccines, Covid-19 vaccines, and vaccine hesitancy – Prof R.A. Adegbola, NIMR – 20 mins</p>	<p>Oral Abstracts Session 05 / 06 02:00 – 03:00 pm</p>
		<p>Networking and Mentoring Session Self-Development and Capacity Building 03:00 – 4:00 pm</p> <p><i>Mentors:</i> Prof R. Adegbola Prof R. Gupta Prof S. Akanmu</p>
	<p>10th Distinguished Lecture 04:00 – 05:00 pm by Professor Ravindra Gupta Professor of Clinical Microbiology, University of Cambridge</p> <p>Topic: “COVID-19, Variants and Vaccines”</p> <p>Chair: Prof Babatunde Lawal Salako Director-General/CEO, NIMR</p>	<p>Conference Closing Ceremony 04:00 – 05:30 pm</p> <p>Chairs: Prof Ravindra Gupta Prof Babatunde Lawal Salako <i>Featuring Presentation of Awards and Certificates:</i> Conference Sponsors and Endowments acknowledged Student Conference Scholars 2021 Young Scientist Award 2021-2022 NIMR Ambassadors of Research Award to the Distinguished Lecturer</p>

10th Conference on Health Advances, Innovation and Research (CHAIR)
Pre-Conference Skills Building Workshop I
PROJECT MANAGEMENT SHORT COURSE

08th November 2021

Venue: Biomedical and Cancer Research Centre Room 1
Facilitator: Jean Pierre K. N'Guessan, (Jeanpierre.nguessan@iressef.org)
Title: Project Management in the 21st Century

Context

On 25th September 2015, the 70th Session of the United Nations (UN) General Assembly adopted the document titled "Transforming our World: the 2030 Agenda for Sustainable Development" consisting of 17 Sustainable Development Goals (SDGs), with 169 targets. Today, the global community is at a critical moment in its pursuit of the Project Management in theory (Pre award & Post award) attainment of these Sustainable Development Goals (SDGs), due to the outbreak of the COVID -19. More than a year after advent of the global pandemic, millions of lives have been lost, and the global economy is bad shape, putting all development efforts in jeopardy.

Today, more than ever, it is necessary for governments, funding institutions and other philanthropes to inject more money into research projects to prevent and cure diseases. In Africa more specifically, where research is not granted high priority, government funds to support research are scarce and the tiny proportion of funds is plagued by poor management, mostly because our human resources are not sufficiently trained to apply novel management tools and best practices in various sectors including Project management. It is therefore necessary to build more capacity among the scientific and administrative communities of our institutions to model new Project/Programme and Research Managers adequately equipped to support science with novel management tools for impactful research on the continent. This training entitled "Project Management in the 21st Century" is designed to fill the above gaps, with a new generation of researchers and managers equip with sufficient project and research management knowledge.

Training objectives

Equip institution leaders, scientists, and administrators with essential Project Management knowledge for them to support research in an effective and efficient manner.

Approach to the Training

This training will be both theoretical and practical with case studies. Controlled interactions will be necessary to adapt the theory to practice.

Targeted group

Institution leaders, Scientists and administrators involved in one or all phases or grant projects management.

Expected results

At the end of the training, the learners will be familiar will:

- have a strong understanding of Project/Programme and Research Management
- have relevant knowledge of the requirements of main grantors (EU, EDCTP, NIH etc)
- be able to support a research team in the different phases of project management (pre, and award)
- have a global understanding of Project Monitoring & Evaluation and its role in the effective management of projects
- know the difference between Project and Research Management and be able to support institution leaders within the development of strategies based of research results.

Monitoring and evaluation

The training will begin with a pre-test aiming to evaluate the level of trainees in Project Management before the training. The same test will be re-administrated at the end of the session to appreciate the gain and know-how. A link will be established between the trainer and trainees for long-term collaboration and mentorship if needed.

TIME	ACTIVITY
08:00 – 09:00	Round table and pre – test
09:00 – 10:00	The SDGs and the Research Ecosystem in Africa
10:00 – 10:15	<i>Coffee/Tea break</i>
10:15 – 12:15	Project Management in theory (Pre award & Post award) Part 1
12:15 – 13:00	<i>Lunch break</i>
13:00 – 14:30	Project Management in theory (Pre award & Post award) Part 2
14:30 – 15:30	Practical Project Management tailored to donors' requirements
15:30 – 15:45	<i>Water break</i>
15:45 – 16:45	Introduction to the Research & Innovation Management in Research Institutions
16:45 – 17:45	Post-test and END of training session



Jean Pierre K. N'Guessan is Programme Manager at the Institute of Health Research, Epidemiological Surveillance and Training (IRESSEF) in Dakar, Senegal. He is mainly in charge of the management of the West African Network for TB, AIDS and Malaria (WANETAM) headquartered at IRESSEF.

Jean Pierre is a recognized Research Management Professional (RMP) by the International Professional Recognition Council (IPRC). His career spans more than 20 years of experience in the management of development projects, with a significant knowledge of main grantors' procedures. He began his career at IRD, a French research institute, before joining IRESSEF. He holds a master's degree in Business Administration from the University of Quebec at Chicoutimi and Groupe IAM Dakar, a Post Graduate degree from Cheikh Anta Diop University in Dakar, a certificate in Project

Management from Galilee International Management Institute in Israel and a certificate in Monitoring & Evaluation from Duke University, NC, USA

10th Conference on Health Advances, Innovation and Research (CHAIR)

Pre-Conference Skills Building Workshop II
BIOINFORMATICS SHORT COURSE

08th November 2021

Venue: Biomedical and Cancer Research Centre Room 2

Facilitator: Dr. Steven Kemp, (sk2137@cam.ac.uk)

Title: Bioinformatics Short Course

Session Overview

TIME	ACTIVITY
08:00 – 09:00	Round table and pre – test
09:00 – 10:00	Downloading raw reads from sequencer or online databases
10:00 – 10:15	<i>Coffee/Tea break</i>
10:15 – 12:15	Pre-alignment quality control checks
	Trimming adapters and poor-quality sequences
12:15 – 13:00	<i>Lunch break</i>
13:00 – 14:30	De novo assembly of reads
14:30 – 15:30	Mapping reads to a reference sequence Sorting and indexing mapped BAM files
15:30 – 15:45	<i>Water break</i>
15:45 – 16:45	Examining alignments Downstream Analysis - Variant files Downstream Analysis - Drug Resistance Mutations
16:45 – 17:45	Post-test and END of training session



Dr Steven Kemp is an experienced bioinformatician working at the University of Cambridge, UK. He has previously worked on largescale bacterial and viral genomics projects as part of the Phylogenetics and Networks for Generalised Epidemics in Africa consortium. His interests are mostly towards understanding resistance mechanisms associated with drug therapies, particularly in HIV-associated antiretroviral resistance and bacterial antimicrobial resistance.

Dr. Steven Kemp BSc (Hons), MSc, PhD

Address: Department of Medicine | Jeffrey Cheah Biomedical Centre | Cambridge | CB2 0AW

Tuesday, 09th November 2021

Oral Abstract Session 01:	2021 Director-General's Young Scientist Contest
Venue:	Main Auditorium, NIMR
Time:	08:00 – 09:20 am
Chair:	Prof Babatunde Lawal Salako Director-General/CEO, NIMR
Assessors:	Prof Bolajoko Aina University of Lagos, Nigeria Prof Ravindra Gupta University of Cambridge, United Kingdom Dr Adetoun Mustapha NIMR / International Society for Environmental Epidemiology Dr Douglas Fink University College London Hospitals, United Kingdom
Rapporteurs:	Dr Abideen Salako and Ms Ifeoma Idigbe
Presentations:	
08:00 – 08:05 am	Introduction by Scientific Sub-Committee
08:05 – 08:10 am:	Chair's opening remarks
08:10 – 08:20 am	Dr Muinah Fowora: "Development and Validation of an RNA Extraction Kit for the Molecular Diagnosis of SARS-CoV-2 Infection"
08:20 – 08:30 am	Dr Flora Davies-Bolorunduro: "Evaluation of Respiratory Tract Bacterial Co-infections with COVID-19 Severity in Lagos, Nigeria".
08:30 – 08:40 am	Mrs Fehintola Ige: "Validation of Commercial SARS-CoV-2 Immunoassays in a Nigerian Population"
08:40 – 08:50 am	Dr Azuka Okwuraiwe: "Mitochondrial DNA profiling in a cohort of antiretroviral treated HIV patients in Lagos, Nigeria; Assessment of long-term effects of cART on life quality of PLWH"
08:50 – 09:10 am	Questions and Answers
09:10 – 09:15 am	Announcements (Rapporteurs)
09:15 – 09:20 am	Chair's Closing remarks

Tuesday, 09th November 2021

Oral Abstract Session 02:

Venue: Main Auditorium, NIMR

Time: 09:25 – 09:50 am

Session Chairs: **Prof S.I. Smith**
NIMR

Dr A. Mustapha
NIMR / International Society for Environmental Epidemiology

Rapporteurs: Dr Olaide Kareem and Mr. A Adeneye

Presentations:

09:25 – 09:30 am Chair's opening remarks

09:30 – 09:40 am **Dr Adeola Olukosi:** "Community perception of the use and effectiveness of insecticide treated nets and malaria treatment in Southwest and North central Nigeria"

09:40 – 09:50 am **Dr Emelda Chukwu:** "Laboratory-based survey of antimicrobial resistance in four sentinel sites in Lagos State: Preliminary findings"

09:50 – 09:52 am Announcements (Rapporteurs)

09:52 – 09:57 am Chair's closing remarks

Opening Ceremony

Tuesday, 09th November 2021

Venue: Main Auditorium

Time: 10:00 am – 12:00 noon

Chair:	Prof Ravindra Gupta, University of Cambridge, United Kingdom
Rapporteurs:	Drs Paschal Ezeobi and Jane Okwuzu
Programme of Event	
09:30 – 10:00 am	Arrival of guests
10:00 – 10:05 am	National Anthem
10:05 – 10:15 am	Introductions
10:15 – 10:20 am	The Chair’s Opening Remarks
10:20 – 10:25 am	Welcome address by the Chair, Central Organizing Committee
10:25 – 10:35 am	Address by the Director General/CEO, Professor B.L. Salako
10:35 – 10:45 am	Goodwill Messages (2 minutes each for five persons)
10:45 – 11:25 am	“Consolidating the gains and improving access to COVID-19 vaccines” Keynote Address by Dr Faisal Shuaib , Executive Director/CEO, National Primary Health Care Development Agency
11:25 – 11:30 am	Address by the Special Guest of Honour, Mr Boss Mustapha , Secretary to the Secretary to the Government of the Federation (SGF) and Chair, Presidential Steering Committee (PSC) on COVID-19 (<i>Declares Conference open</i>).
11:30 – 11:40 noon	NIMR COVID-19 Response activities (Short Video)
11:40 – 11:50 pm Research	NIMR – BioMerieux Award for Antimicrobial Resistance Prof B.L. Salako , Director-General/CEO, NIMR
11:50 – 11:55 pm	Closing remarks by the Conference Chair
11:55 – 12:00 pm	Announcements, Vote of thanks, and National anthem
12:00 – 02:00 pm	Exhibition Stands / NIMR Guided Tours / Lunch Break

Mid-day Session
Tuesday, 09th November 2021
Exhibitions

Venue: Under Main Laboratory Complex, NIMR

Date: 09 – 10th November 2021

Exhibitions

1. **Randox Laboratories Ltd** is the largest In-Vitro Diagnostics company from the UK/Ireland. Our portfolio includes our revolutionary Biochip-Array-Technology with applications in drug testing, toxicology, cardiology, genomics & proteomics, Molecular assays, antibodies & recombinant proteins as well as Quality-Control (ACUSERA), External Quality Assurance (RIQAS), Reagents, Clinical Chemistry analyzers (RX series), for use in clinical & veterinary settings.
Contact name: **Ify Ogbolu**
Tel: +234 70 590 77581
Email: ify.ogbolu@randox.com

2. **Biologix** (RC: 673500) is an indigenous biotechnology company that provides professional laboratory services to Nigeria's emerging biotech industry. We have a combined professional experience (over 17years) spanning various fields including Molecular Biology, Genetics, Synthetic Biology and Bioinformatics. We have Biosafety Laboratory 2 (BSL 2) laboratories in Lagos and Abuja.
Contact Person: **Idongesit Udoakpan**
Tel: +234 808 484 6534
Email: iudoakpan@biologix.com.ng, businessdevelopment@biologix.com.ng

3. **Inqaba Biotec West Africa** is committed to providing various genomics and diagnostics products and services to our customers in Sub-Saharan Africa. Our core services include supply of laboratory products, DNA synthesis (primers and probes), molecular analysis, Sanger and Next Generation Sequencing, Bioinformatics solutions and laboratory instruments procurement, maintenance, and servicing.
Contact: **Lukman Aroworamimo**
Tel: +234 805 882 7272
Email: info@inqababiotec.ng
Website: www.inqababiotec.ng

4. **ISN Products (Nig.) Ltd** is the leading supplier of medical diagnostics products and services in Nigeria, with ten offices across Nigeria and two offices in Ghana. We aim to give healthcare practitioners and patients peace of mind through the innovative medical diagnostic solutions we provide.
Contact: **Damilola Oyewole**
Tel: +234 906 731 1007
Email: damilola.oyewole@isnmedical.com
Website: www.isnmedical.com.

5. **Peter and Jane Limited** is an organization that deals with the supplies of medical/laboratory equipment/products, consumables, kits, reagents, biosafety cabinets, refrigerating systems etc. We also supply automated systems used in genomic/sequencing research and clinical practises. Our after-sales services cover installation, calibration, validation, Training Our focus is to enhance the services and operations of life science researchers and clinical practitioners with the aim to meet and exceed their needs/expectations.
 Contact: **Princess Adepeju Ogunleye**
 Tel: +234 803 408 6034
 Email: info@peterjane.com, peter.janeltd@gmail.com
 Website: www.peterjane.com.

6. **Synapse Technologies Limited** is currently the Authorized distributor for Agilent Technologies and BIOTEK Inc in Nigeria. Our mission is to become the #1 value-add chemical analysis & life science solution provider of choice in Nigeria by focusing on getting, keeping, and growing its customers by building positive long term relationships.
 Contact: **Taiwo Elegbede**
 Tel: +234 802 310 0224
 Email: taiwo.elegbede@synapsenigeria.com, info@synapsenigeria.com;
 Website: www.synapsetechnologies.com.ng

7. **Partec Healthcare Ltd – a Sysmex company.** Partec Healthcare, an affiliate of SYSMEX GmbH, Germany, was established in 2010 by the then Partec GmbH, to provide quality Laboratory Diagnostic products in HIV/AIDS Immune monitoring (CD4#/%), Haematology, FlowCytometry, Coagulation, Urinalysis Automation, among others. Sysmex Europe GmbH in turn is a subsidiary of Sysmex Corporation, Japan. For over 50 years, Sysmex has actively set new standards and driven innovation in haematology and other areas of expertise.
 Contact: **Bitrus Badung**
 Tel: +234 913 934 8419
 Email: badung.bitrus@sysmex-wca.com.

8. **Koeman Group of Companies.** Koeman Group supply quality laboratory, medical, and industrial equipment within the shortest possible time that meet and exceed Customer expectations. Keeping a stock of medical and laboratory products ensures our products are readily available. Koeman Group is ISO 9001:2015 certified, with practices and processes in line with International Standards.
 Contact: **Mrs Kehinde**
 Tel: +234 906 446 9115
 Email: quotations@koemantis.com.

9. **HTDS - High Tech Detection Systems** - is a French company specialized in distribution and maintenance of High-Tech detection systems in France and abroad. Created in January 2002 by a team of former executives from the PerkinElmer company, and now HTDS employs now more than 250 people and is distributed in across 30 countries. HTDS is proud to partner with world leader suppliers and to be present all over Africa thanks to our various subsidiaries. HTDS combines expertise, flexibility, and responsiveness to ensure optimal quality of service and a customized support. HTDS International Nigeria.
 Contact: **Dr Victor Ekun**
 Tel: +234 805 586 7382
 Email: victor.ekun@htds.fr.

Mid-Day Session Tuesday, 9th November 2021

VHF RESEARCH GROUP Round Table Session 01

Theme: Viral Haemorrhagic Fevers (VHF) and Their Hosts in Nigeria

Time: 01:00 – 02:00 pm

Venue: Biomedical Research Centre, Room 1 NIMR

Chair: Prof S. A. Omilabu

Moderator: Dr A. Okwuraiwe

Rapporteurs: Fehintola Ige & Joseph Shaibu

Issues:

In recent years, Nigeria has reported several outbreaks of VHFs hence, it is essential to understand the ecology of the host reservoirs in order to interrupt the cycle of transmission. It is therefore important to characterize VHF viruses and describe the distribution of their hosts/vectors in the country.

Speakers:

- Akinlotan, Qazeem- Molecular Detection of Arboviruses in *Aedes aegypti* from Yellow Fever Endemic Community in Delta State, Niger-Delta, Nigeria
- Emmanuel Onyeje – Rodent Reservoirs Associated with Lassa Fever Incidence in Esan West LGA, Edo State.
- Fatai Sarafa – Detection of Lassa Virus RNA in Rodents from Rural Communities of Lagos and Ogun State, Nigeria
- Elizabeth Adebimpe – Distribution and Molecular Characterization of major Flaviviruses from *Aedes* vector In Ile - Ife, Nigeria
- Daodu Oluwafemi Babatunde- Surveillance for Crimean-Congo Haemorrhagic Orthonavivirus in Humans, Cattle and Hyalomma Ticks in Kwara State, Nigeria- Surveillance for Crimean-Congo Haemorrhagic Orthonavivirus in Humans, Cattle and Hyalomma Ticks in Kwara State, Nigeria

Afternoon Session
Tuesday, 09th November 2021
Symposium on Conference Theme and Subthemes

“COVID-19 PANDEMIC: CONSOLIDATING THE GAINS AND ADDRESSING THE SHORTFALLS”

Venue: Main Auditorium, NIMR

Time: 02:00 – 04:00 pm

Chair: **Prof Oni Idigbe**
Former Director-General, Nigerian Institute of Medical Research

Rapporteurs: Dr T. T. Musari-Martins and Mrs F. T. Ige

Presentations

02:00 – 02:10 pm

Chairs’ opening remarks

02:10 – 02:30 pm

“Rebuilding the health system post-pandemic”

Prof. A. Abayomi,
Honourable Commissioner of Health,
Lagos State Ministry of Health

02:30 – 02:50 pm

“Preparing for future pandemics”

Prof S. Omilabu,
Professor of Medical Virology,
University of Lagos

02:50 – 03:10 pm

“Commercializing and promoting home-grown diagnostics/therapeutics solutions”

Prof. N. N. Odunukwe
Director of Research,
Nigerian Institute of Medical Research

03:10 – 03:30 pm

“Vaccines, Covid-19 vaccines, and vaccine hesitancy”

Prof R.A. Adegbola, FAS
Research Professor and Consultant,
Nigerian Institute of Medical Research

03:30 – 03:45 pm

Discussions and interactions

03:45 – 03:50 pm

Announcements (Rapporteurs)

03:50 – 03:55 pm

Chair’s Closing remarks

**Evening Session
Tuesday, 09th November 2021**

10th Distinguished Lecture

Venue: Main Auditorium, NIMR

Time: 04:00 – 05:00 pm

Topic: **“COVID-19, Variants and Vaccines”**

Chair: **Prof Babatunde Lawal Salako,**
Director-General/CEO NIMR

Rapporteurs: Pharm. Sabdat Ekama and Dr Ayorinde James

Agenda:

03:40 – 04:00 pm Academic Procession

04:00 – 04:05 pm Welcome Address by the Chair

04:05 – 04:10 pm Citation of Distinguished Lecturer

Ravindra K. Gupta, MA MPH BMBCCh PhD FRCP FRCPath FMedSci
Professor of Clinical Microbiology and Wellcome Senior Fellow,
Cambridge Institute of Therapeutic Immunology and Infectious Diseases
Jeffrey Cheah Biomedical Centre, University of Cambridge
Honorary Consultant Physician - Infectious Diseases
Cambridge University Hospitals NHS Foundation Trust
Faculty, Africa Health Research Institute, KwaZulu-Natal, South Africa
Honorary Professor, University of KwaZulu-Natal, South Africa

04:10 – 04:55 pm Distinguished Lecture: **“COVID-19, Variants and Vaccines”**

04:55 – 05:00 pm Announcements (Rapporteurs)

05:00 – 05:05 pm Chair’s closing remarks

Morning Session
Wednesday, 10th November 2021
Concurrent Oral Abstracts Session

Oral Abstract Session 03:

Venue: Main Auditorium, NIMR
Time: 09:00 – 10:00 am

Chairs: **Prof Pheabian Akinwale**
NIMR

Prof Khalid Adekoya
University of Lagos, Nigeria

Rapporteurs: Mr. Jacob Yisau and Dr. Dapo Adeogun

Presentations:
09:00 – 09:05 am:

Chairs' opening remarks

09:05 – 09:15 am

Muideen Raifu. Mobile suitcase laboratory for multiple testing of pathogens to support the elimination of malaria in Nigeria.

09:15 – 09:25 am

Folahanmi Tomiwa Akinsolu. Barriers and gaps in utilization and coverage of mass drug administration program against soil-transmitted helminth schistosomiasis infection in Nigeria.

09:25 – 09:35 am

Oluwagbemiga Aina. Acute and Subacute Oral toxicity Characterization and Safety Assessment of COVID Organics® (Madagascar Anti-COVID Herbal Tea) in Animal model.

09:35 – 09:45 am

Chioma Kunle-Ope. The burden of pre-extensively and extensively drug-resistant tuberculosis among multidrug-resistant tuberculosis patients in Lagos State.

09:45 – 09:55 am

Questions and Answers

09:55 – 09:57 am

Announcements (Rapporteurs)

09:57 – 10:00 pm

Closing remarks

Morning Session
Wednesday, 10th November 2021
Concurrent Oral Abstracts Session

Oral Abstract Session 04:

Venue: Biomedical Research Centre Room 1, NIMR

Time: 09:00 – 10:00 am

Chairs:

Prof K. O. Wright
Lagos State University, Nigeria

Dr A. Abdus-Salam
University of Ibadan, Nigeria

Rapporteurs:

Mrs. Bukola Adetunji and Dr Bisi Davies-Bolorunduro

Presentations:

09:00 – 09:05 am:

Chairs' opening remarks

09:05 – 09:15 am

Oluwatosin Odubela. Adverse events to COVID-19 vaccine among healthcare workers in Lagos.

09:15 – 09:25 am

Fehintola Ige. Cross-reactivity of two SARS-CoV-2 serological assays in a malaria-endemic setting.

09:25 – 09:35 am

Abideen Salako. Impact of SARS-COV-2 pandemic on Antiretroviral access at a large treatment centre in Lagos, Nigeria.

09:35 – 09:45 am

Tomilola Musari-Martins. Prevalence and Presentation of Paediatric Coronavirus Disease 2019 in Lagos, Nigeria.

09:45 – 09:55 am

Questions and Answers

09:55 – 09:57 am

Announcements (Rapporteurs)

09:57 – 10:00 pm

Closing remarks

Morning Session
Wednesday, 10th November 2021
Plenary Session II

**“Addressing the shortfalls in other health sectors,
Mental health and Private-sector funding”**

Venue: Main Auditorium, NIMR

Time: 10:00 – 12:00 noon

Chair: **Prof Richard Adegbola, FAS**
Research Professor and Consultant, NIMR

Prof Akeem Lasisi
Department of Oto-Rhino-Laryngology, University of Ibadan

Rapporteurs: Ms Ifeoma Idigbe and Dr Tosin Odubela

Presentations

10:00 – 10:10 am Chairs’ opening remarks

10:10 – 10:30 am “COVID-19 Pandemic: addressing the shortfalls in the health sector, including neglected diseases and missed targets”
Prof Olubunmi Otubanjo, University of Lagos, Nigeria

10:30 – 10:50 am “Private Sector funding of Health Research in Nigeria”
Mrs Odunayo Sanya, Executive Secretary, MTN Foundation

10:50 – 11:10 am “Mental Health and Pandemic response”
Dr Olajumoke Koyejo, Federal Neuropsychiatric Hospital, Lagos, Nigeria

11:10 – 11:30 am “Private sector collaboration in public health; lessons from Nigeria” **Ms Zouera Youssoufou**, MD/CEO Dangote Foundation

11:30 – 11:50 am Discussions and interactions

11:50 – 11:55 am Announcements (Rapporteurs)

11:55 – 12:00 noon Chairs’ Closing remarks

12:00 – 02:00 pm **Exhibition Stands / NIMR Guided Tours / Lunch Break**

Mid-Day Session Wednesday, 10th November 2021

SYSMEX Round Table Session 02

Theme: SYSMEX Shaping the advancement of healthcare

Time: 12:00 – 01:00 pm

Venue: Biomedical Research Centre Room 2, NIMR

Chair: **Prof N.N. Odunukwe**

Rapporteurs: Dr Emelda Chukwu and Mr. Samuel Amoo

Issues:

1. Providing Laboratory Equipment for Diagnosis and Research
2. Collaboration and Networking: Industry and the Clinic

Speakers:

- **Bitrus Badung** - Business Development Manager, Partec Healthcare Ltd
- **Jane Onwuzulike** – Application Specialist, Partec Healthcare Ltd

CENTRAL RESEARCH LABORATORY Round Table Session 03

Theme: Research Services and an Insight into the SARS-CoV-2 Genome Sequencing Efforts at the Central Research Laboratory. NIMR.

Time: 01:00 – 02:00 pm

Venue: Biomedical Research Centre Room 1, NIMR

Chairs: **Prof Sunday Omilabu**

Prof AOB Oyefolu

Moderator: Miss Seun Funmi / Miss Rukayat

Rapporteurs: Mr. Josiah Isong, Mr. Ridwan, Miss Grace Oni

Issues:

1. The need to know the workflow of operations at CRL.
2. Research services offered at CRL and how to access them
3. DNBSEQ high throughput sequencing of SARS-CoV-2 genome from respiratory samples: the first 100 SARS-CoV-2 genome sequencing achievement.
4. Next steps in optimization of genome sequencing of other pathogens using the DNBSEQ-G50 platform and other Library Preparation Approaches.

Speakers:

- Dr Azuka Okwuraiwe Head, CHVG, / Technical member, CRL, NIMR, Lagos
- Dr Ayorinde, James, Technical member, CRL, NIMR, Lagos
- Dr Muinah Fowora Technical member, CRL, NIMR, Lagos
- Dr Ngozi Otuonye, Technical member, CRL, NIMR, Lagos
- Dr Iwalokun BA Director, CRL NIMR, Lagos

Afternoon Session
Wednesday, 10th November 2021
Concurrent Oral Abstracts Session

Oral Abstract Session 05:

Venue: Main Auditorium, NIMR

Time: 02:00 – 03:00 pm

Chairs: **Prof P.G.C. Odeigah**
University of Lagos

Prof R.A. Audu
NIMR

Rapporteurs: Ms. Toyin Awoderu and Dr P. Ezemelue

Presentations:
02:00 – 02:05 pm:

Chairs' opening remarks

02:05 – 02:15 pm

Olufemi Samuel AMOO. Care Seeking Behavior of Citizens During Pandemics: A Case Study of COVID-19 in Nigeria.

02:15 – 02:25 pm

Sabdat Ekama. Adherence to non-pharmaceutical intervention measures against COVID-19 disease in an urban slum in Lagos Nigeria.

02:25 – 02:35 pm

Olufemi Samuel AMOO. Significance of Hematological Abnormalities in COVID-19 Severity Among Hospitalized Patients.

02:35 – 02:45 pm

Onyinye Celestina Okoyenta. Tumor Necrosis Factor Receptor II Gene Polymorphism and Association with Plasmodium falciparum Malaria in Badagry, Lagos, Nigeria.

02:45 – 02:55 pm

Questions and Answers

02:55 – 02:57 pm

Announcements (Rapporteurs)

02:57 – 03:00 pm

Chair's closing remarks

Afternoon Session

Wednesday, 10th November 2021

Networking and Mentoring Session

SKB 03: Self-Development and Capacity Building
The Young and Early Scientists (YES) team

Venue: Main Auditorium, NIMR
Time: 03:00 – 04:00 pm
Rapporteurs: Dr Bisi Davies- Bolorunduro and Dr Emelda Chukwu
Anchor: Dr C.K. Onwuamah

Facilitators: **Prof R. Adegbola**
Research Professor and Consultant,
Nigerian Institute of Medical Research, Nigeria

Prof R. Gupta
Professor of Clinical Microbiology and Wellcome Trust Senior Fellow
University of Cambridge, United Kingdom

Prof S. Akanmu
Professor of Haematology and transfusion medicine
University of Lagos, Nigeria

Issues

In general, this session should be about the YES team and not the facilitators. Facilitators should be open, listen and share experiences.

Programme:

- Introduction round- short introductions from participants
- Facilitators: Each facilitator to share briefly their experiences related to career path- how did they get to where they are now? How do they mentor, publish articles, find collaborators, join networks, get research grants, etc.
- Participants: Do they have any expectations for the conference and for this session
- Participants: Briefly talk about career status, experience, and aspirations
- Participants: Specific questions or issues they wish to discuss
- Facilitators: Listening and providing feedback and guidance

Afternoon Session
Wednesday, 10th November 2021
Concurrent Oral Abstracts Session

Oral Abstract Session 05:

Venue: Biomedical Research Centre, Room 1, NIMR

Time: 02:00 – 03:00 pm

Chairs: **Prof N. Odunukwe**
NIMR

Dr A. Mustapha
NIMR / International Society for Environmental Epidemiology

Rapporteurs: Dr Dapo Adeogun and Mrs. Chioma Kunle-Ope

Presentations:
02:00 – 02:05 pm:

Chairs' opening remarks

02:05 – 02:15 pm

Dr. Azuka Patrick Okwuraiwe. Viral Hemorrhagic Fever virus screening of the 2018-2019 Lassa Fever Cases from Southwestern Nigeria.

02:15 – 02:25 pm

Mabel Uwandu. A Four-Year Trend of Acute Hepatitis B Virus Infections at a Tertiary Health Facility.

02:25 – 02:35 pm

Vincent Gyang. Diagnosis of Buruli ulcer disease in Nigeria using IS2404 -Based Nested PCR.

02:35 – 02:45 pm

Kazeem Osulale. A Retrospective Assessment of Health-Related Quality of Life (HRQoL) of children and Adolescents living with HIV in Lagos State.

02:45 – 02:55 pm

Questions and Answers

02:55 – 02:57 pm

Announcements (Rapporteurs)

02:57 – 03:00 pm

Chair's closing remarks

Evening Session

Wednesday, 10th November 2021

Closing Ceremony

Venue:	Main Auditorium, NIMR
Time:	04:00 – 05:30 pm
Chairs:	Prof Ravindra Gupta University of Cambridge, United Kingdom Prof Babatunde Lawal Salako Nigerian Institute of Medical Research, Nigeria
Rapporteurs:	Mr. Sam Amoo and Dr Azuka Okwuraiwe
Agenda:	
04:00 – 04:05 pm	Introductions
04:05 – 04:10 pm	National Anthem
04:10 – 04:20 pm	Chair’s opening remarks
04:20 – 04:40 pm	Highlights of Conference proceeding by lead rapporteur, Dr Muinah Fowora
04:40 – 05:05 pm	Presentation of Awards and Certificates Conference Sponsors and Endowments acknowledged Student Conference Scholars 2021 Young Scientist Award 2021-2022 NIMR Ambassadors of Research Award to the Distinguished Lecturer
05:05 – 05:15 pm	Vote of thanks, Alh. Abdullahi S. Yunusazzazau , mni Director of Administration, NIMR
05:15 – 05:20 pm	Announcements (Rapporteurs)
05:20 – 05:25 pm	Chair’s Closing Remarks (<u>Declares Conference Closed</u>)
05:25 – 05:30 pm	National anthem

BIOLOGIX

PRODUCTS & SERVICES



TESTING SERVICES



- Infectious Disease
- Metabolic Disease
- Cancer
- Women's Health
- Pre-employment Medical Screening
- Genetic Screening
- New Born Screening e.g. sickle cell, Phenylketonuria(PKU) etc.

LABORATORY SERVICES



- Pipette Management & Calibration
- Laboratory Rentals
- DNA Sequencing

TRAININGS & CAPACITY BUILDING



- Genomics Workshops
- Bio-Informatic trainings
- DNA Summer Camp
- Molecular Biology Webinars

RESEARCH & CONSULTING



- R&D in Molecular Biology
- Assay Development
- Genomics
- Life Sciences
- Bioinformatics
- Drug Discovery
- Cell Culture techniques
- Personalized Medicine

SALES OF PRODUCTS



- Diagnostic Kits
- Life Science Products
- DNA Testing Kits
- Sales & Repairs of Pipette

PARTNERS



bioLogix
support services

Head Office: 52 & 56C Olorunlogbon Street, Anthony Village Maryland Lagos.
Branch: Plot 15, Chief Yesufu Abiodun Road, Oniru Industrial Estate, Victoria Island, Lagos.

Tel: +234-808 484 6534, +234-907 997 3953, +234-806 958 3073

Email: info@biologix.com.ng, bookings@biologix.com.ng
Website: biologix.com.ng

RANDOX DEDICATED TO IMPROVING HEALTH WORLDWIDE



QUALITY CONTROL

Leading provider of complete quality control solutions including: daily quality control, external quality assessment and calibration verification for results you can trust.



MOLECULAR DIAGNOSTICS

Molecular diagnostic solutions for clinical laboratory and POC settings. Our comprehensive test menu comprises infectious diseases including COVID-19, inherited diseases, mutation analysis and SNP genotyping.



CLINICAL CHEMISTRY ANALYSERS

Versatile range of biochemistry analysers to suit all laboratory throughputs. Our world leading test menu delivers unrivalled consolidation and cost savings.



OPEN CHANNEL REAGENTS

The most extensive range of open channel biochemistry reagents facilitating routine and niche diagnostic testing.

Visit store.randox.com to buy directly from Randox today

Product availability may vary from country to country. Some products may be for Research use Only. For more information on product application and availability, please contact your local Randox representative.

[randox.com](https://www.randox.com)
marketing@randox.com





AFRICA'S GENOMICS COMPANY

inqaba biotec™



- Sanger DNA Sequencing
- Next-Generation DNA Sequencing
- SNP & STR Genotyping
- Methylation Analysis
- Bioinformatics Support
- Oligonucleotide Synthesis
- Bioinformatics and Mol Bio Courses
- Supply of Laboratory & Medical Diagnostic Instruments
- Animal Genetics
- Specialised Molecular Projects
- Molecular Diagnostics Support
- Bench Space for Scientists

CONTACT INQABA BIOTEC

Rooted in Sub-Saharan Africa

Inqaba Biotec West Africa Ltd

Opp. IKA Bldg, Shop, Ibadan, Nigeria
Tel: +234-805 882 7272 E-mail: info@inqababiotec.ng

www.inqababiotec.ng



ISN PRODUCTS NIG. LTD.

Medical Diagnostics Solutions

SALES | SERVICE | SUPPORT



ROCHE AVL 9180 | ROCHE COBAS C111 | MINDRAY BC 10 | MINDRAY BC 5000

EQUIP OR UPGRADE YOUR LAB WITH TRUSTED AND RELIABLE SOLUTIONS:

- Semi-automated and Automated Chemistry systems
- Automated Haematology systems
- Automated immunoassay solutions
- Microplate readers and Washers
- Automated blood culture instrument
- Automated identification and sensitivity instruments
- Comprehensive PCR solutions
- Point of care devices
 - o Cardiac marker reader
 - o Coagulation profile
 - o Urinalysis
 - o HBA1C, CRP and Lipids
- Preanalytical systems
 - o Blood collection tubes
 - o Blood collection needles

ISN Medical 40-42 Association Avenue, Ilupeju, Lagos, Nigeria.
Nigeria Abuja • Calabar • Enugu • Ibadan • Gombe • Kano • Lagos • Port-Harcourt • Sokoto
Ghana Accra • Kumasi

Phone 1: +2349002255476 (0800CALLISN Toll Free)
Phone 2: +2348057324775

Email: contact@isnmedical.com
Website: www.isnmedical.com

Instagram: @isnmedical
Facebook: /isnmedical



XN-31

Be confident fighting malaria

- Results you can rely on – reliable and objective malaria information using the technology of fluorescence flow cytometry
- Results from 1 mL blood or less without sample pretreatment
- Enhance and standardise your malaria testing
 - ✓ Fast with 24/7 availability
 - ✓ Quality of result independent of the skills of the operator



www.sysmex-europe.com/malaria

The best of technology at the service of the living

LIFE SCIENCES

- Cellular analysis
- Genetic analysis
- Automating
- Detection solutions
- Microplate readers

HTDS
Hi-Tech Detection Systems



WE ARE YOUR ONE STOP HUB FOR INNOVATIVE SOLUTIONS TO ALL YOUR MEDICAL AND LABORATORY NEEDS

OUR PRODUCT RANGE

- MEDICAL EQUIPMENTS
- LIFE SCIENCE PRODUCTS
- MOLECULAR REAGENT
- MEDICAL REAGENTS
- GENERAL SUPPLIES

AFTER-SALES SERVICES

- INSTALLATION
- CALIBRATION
- VALIDATION
- TRAINING
- CONSULTATION
- REPAIR
- END-USER SUPPORT SERVICES

HEAD OFFICE

1. OYEKAN STREET, OFF LITTLE ROAD, LAGOS,
2. HARVEY ROAD, YABA LAGOS

BRANCH OFFICE

SUITE 36-37 & 44-45 RIDDS PLAZA
PLOT 740, WUYE DISTRICT, AGUNWA
ANAOKWE STREET, FCT - ABUJA

www.peterjane.com | info@peterjane.com | 08034086034

No fall your hand on top
Malaria matter, take **LONART.**

Lonart on one hand is zero malaria on the other.



Scratch am. Confirm. Take am

Marketed by
GREENLIFE PHARMACEUTICALS LIMITED
35A, Association Avenue, Off Obafemi Awolowo Way, Lagos.
Email: info@greenlifepharmaceuticals.com.ng | Phone: +2347048183342



*Tablets *Suspension *Dispersible tablets

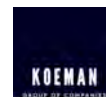
Gold Sponsors



Silver Sponsors



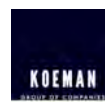
Bronze Sponsors



Open Sponsors



Student Scholarship Endowments



STUDENT SCHOLARSHIP ENDOWMENTS

Aliko Dangote Foundation
Gold Scholarships
Silver Scholarships
Bronze Scholarships

Synapse Technologies
Bronze Scholarships

Koeman Group of Companies
Silver Scholarship

Greenlife Pharmaceuticals
Bronze Scholarships

SPECIAL SESSION SPONSORS

Viral Haemorrhagic Fever Research Group, Microbiology Department, NIMR
Central Research Laboratory, NIMR

ENDORSEES AND ASSOCIATE SPONSORS

- 1 Nigerian Institute of Medical Research
- 2 University of Cambridge, Professor Ravindra Gupta Lab, four team members supported by the Wellcome grant (Prof Gupta), Africa Research Excellence Fund Bill and Melinda Gates foundation via PANGEA-2 (Dr Abdullahi).
- 3 West African Network for Tuberculosis, AIDS, and Malaria (WANETAM)
- 4 Viral Haemorrhagic Fever Research Group, NIMR
- 5 I-Care Project, NIMR
- 6 Pilot Multisectoral Project, NIMR
- 7 US Naval Medical Research Unit 3 Project (NAMRU 3), NIMR
- 8 Central Research Laboratory, NIMR



NIMR

LABORATORY SERVICES

Why travel abroad when you can get the best medical diagnostic services for improved well being, with the use of state of the art medical equipment at Nigerian Institute of Medical Research (NIMR)

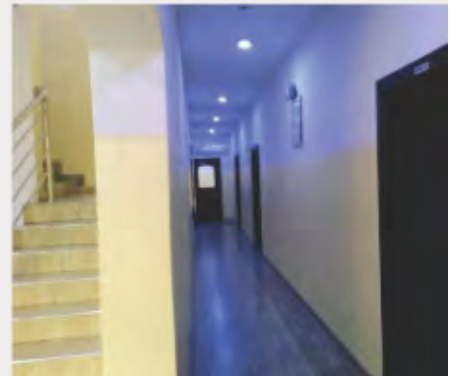
Partner with NIMR for the best health services you can think of in a serene and ambient environment ranging from:

- ▶ Tuberculosis Management
- ▶ Gastroenterology
- ▶ HIV Screening and Management
- ▶ Cervical Cancer Screening
- ▶ Hepatitis B & C Screening
- ▶ Forensic and DNA Testing
- ▶ Drugs abuse testing
- ▶ Therapeutic Drug Monitoring and
- ▶ Other laboratory and diagnostic services

At NIMR we pride ourselves for being the foremost Medical Research Institute in Nigeria.

Visit Us @

NIMR Consult, Nigerian Institute of Medical Research, 6/7, Edmund Crescent, Off Murtala Muhammed Way, By Presbyterian Church, Yaba, Lagos.



Auditorium

- ▶ Over 300 Seater Capacity
- ▶ Fully Airconditioned
- ▶ Comfortable Seats
- ▶ PA System and Projector Available



- Conference Rooms**
- 10 - 45 seater ◀
- Conference Rooms
- Ambient Environment ◀
- Fully Airconditioned ◀
- Projector & PA System ◀



- Seminar Room**
- 20 - 30 seater ◀
- Seminar Rooms
- Ambient Environment ◀
- Fully Airconditioned ◀
- Projector & PA System ◀



- 80 + Car Park
- Fully Secure
- Well Demarcated

6, Edmund Crescent
 (off Murtala Mohammed Way),
 P.M.B. 2013, Yaba,
 Lagos. Nigeria.

FOR RESERVATION
+234 803 416 4841



*The Director General, Senior Management Committee
and Chairman, Local Organizing Committee
sincerely thank everybody for gracing this historic occasion.*



NIGERIAN INSTITUTE OF MEDICAL RESEARCH

6, Edmund Crescent, (off Murtala Mohammed Way)

P.M.B. 2013, Yaba, Lagos - Nigeria

Tel: +234 909 213 3886

E-mail: info@nimr.gov.ng

www.nimr.gov.ng



@NIMRNigeria