



26th – 31st August 2019

4th Africa International Biotechnology & Biomedical Conference **AIBBC 2019**

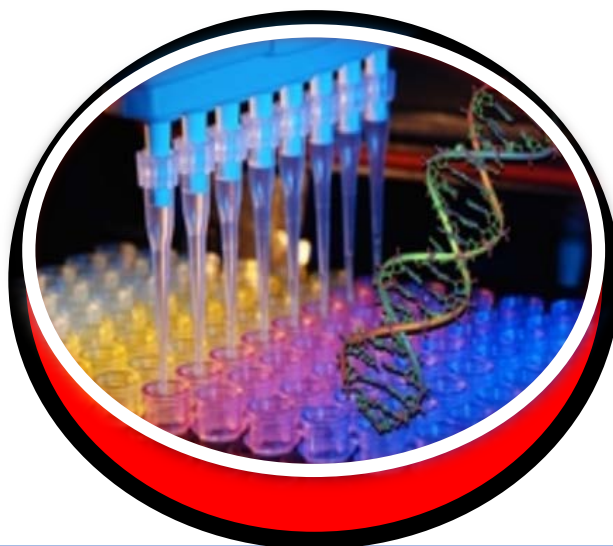


AIBBC

Advancing Science & Technology for Sustainable Development in Africa

26th-27th August: AIBBC Workshops, Institute of Primate Research, Nairobi

28th-30th August: AIBBC Conference, Pridelnn Paradise Beach Resort, Mombasa



Welcome message from the organizers

Dear Participants,

On behalf of the organizing committee, we take great pleasure to welcome you all to the 4th Africa International Biotechnology & Biomedical Conference (AIBBC 2019). If you are attending from outside Kenya, we say to you “KARIBU KENYA”, and if you are attending from outside Africa, we say to you “KARIBU AFRICA”.

Organized biannually since 2014, AIBBC conference series continues to provide unparalleled platform for multi-disciplinary research sharing, networking and interactions in the increasingly important fields of biomedical and biotechnology. Indeed, since its inception in 2014, AIBBC has cemented its position as a premier international forum for local and international scientists to meet and discuss new scientific and technological insights with important implications for Africa’s socio-economic growth.

Under the theme “**Advancing Research and Innovation for Sustainable Development in Africa**”, AIBBC 2019 aims to further solidify the gains of the past meetings by providing a platform for research sharing and networking in the multi-disciplinary fields of biotechnology and biomedicine, in line with AIBBC’s goals of promoting human capacity development and supporting research-based innovative approaches to socio-economic problems that are unique to Africa. AIBBC 2019 has been organized into two parts, namely, hands-on-workshops on advanced biomedical technologies, which will take place in Nairobi at the Institute of Primate Research and the main conference to be held at the PridelInn Paradise Beach Resort, Convention and Spa in Mombasa. We are happy to note that a record number of over 250 participants have registered to participate.

The pre-conference workshops (August 26-27), will involve practical demonstrations and hands-on training under the instruction of world-leading scientists, led by Prof. Paul Robinson of Purdue University, USA. We hope that the trainings will benefit students and young researchers with hands-on experiences which they will find useful in their future research and professional undertakings.

The main conference in Mombasa (August 28-31) will bring together both young and senior researchers drawn from diverse research fields for 2-days of intense scientific exchanges and networking. A rich scientific program, including keynote talks by senior scientists, presentations by selected young investigators, and poster presentations, awaits participants at the most beautiful location in Mombasa. And to conclude the program, we have organized an exciting biodiversity study tour to Tsavo National Park which boasts a rich flora and fauna. Definitely, you can look forward to an exciting trip and an unforgettable experience in the African wilderness.

We hope that AIBBC 2019 will inspire you to be the champion for sustainable development through science and technology, not only for Africa but also for the whole world. Once again, we welcome you cordially to AIBBC 2019 and we wish you an exciting time. Thank you for choosing to participate in AIBBC 2019. *Asanteni sana.*



Prof Collins Ouma, PhD.,
General Chair,
School of Public Health and
Community Development,
Maseno University, KENYA



Dr Kennedy Okeyo, PhD,
Chief Organizer,
Institute for Frontier Life
and Medical Research
Kyoto University, JAPAN



Dr Eddy Odari, PhD,
Chief Organizer,
Department of Medical
Microbiology, Jomo
Kenyatta University of
Agriculture and Technology
(JKUAT), KENYA



Dr. Lucy Ochola, PhD,
Chief Organizer
Department of
Tropical and Infectious
Diseases, Institute of
Primate Research
(IPR), Kenya

WORKSHOP PROGRAM

AIBBC Workshops on Advanced Biomedical Technologies



Common Program

Venue: Institute of Primate Research, Karen

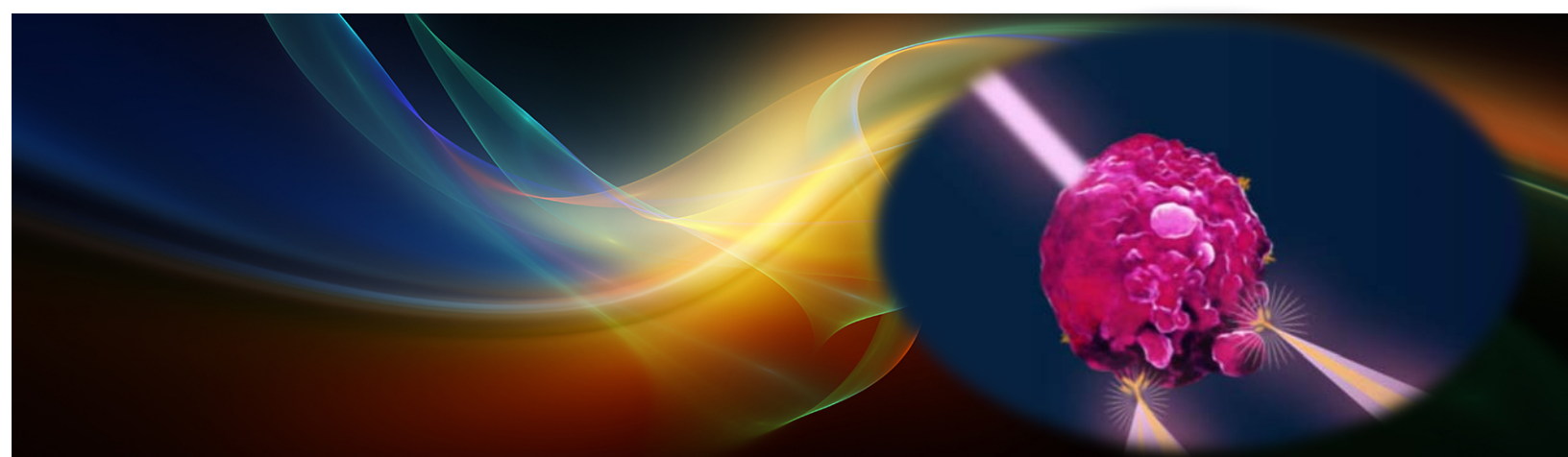
Date: 26th- 27th August, 2019

Program Overview

Monday 26th August	
08:00-08:30	Arrival of guests Registration, Name tag pickup & Course Assignments
08:30-09:00	Welcome address from Director IPR- Dr Hastings Ozwara Short welcome address from AIBBC Chair- Prof Collins Ouma Introduction of the workshops- Prof J. Paul Robinson
09:20- 09:30	Move to your respective workshop room- Workshops start
09:30-11:00	Respective workshops in progress
11:00-11:30	Tea Break (Exhibition booth visit)
11:30-13:00	Respective workshops in progress
13:00-14:00	Lunch
14:00-15:30	Respective workshops in progress
15:30-16:00	Tea Break (Exhibition booth visit)
16:00-17:30	Respective workshops in progress
17:30-18:00	All gather in the Central Lecture Hall for closing remarks for Day 1
Tuesday 27th August	
08:30-08:50	All participants gather together <i>Announcements and updates</i>
08:50-09:20	SPECIAL LECTURE by Prof. Takeharu Nagai, Osaka University, Japan "SUPER-DUPER BIOLUMINESCENT PROTEINS FOR WIDE RANGE OF BIOIMAGING"
9:20-9:30	Move to your respective workshop room-Workshops start
9:30-11:00	Respective workshops in progress
11:00-11:30	Tea Break (Exhibition booth visit)
11:00-13:00	Respective workshops in progress
13:00-14:00	Lunch
14:00-15:30	Respective workshops in progress
15:30-16:00	Tea Break (Exhibition booth visit)
16:00-17:00	Respective workshops in progress
17:00-17:30	All groups convene in the Central Lecture Hall
	Closing Remarks and END of AIBBC 2019 Workshops

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Course 1:
Flow Cytometry Course
The theory and practical applications



Prof J. Paul Robinson

PURDUE
UNIVERSITY

The SVM Professor of Cytoomics
Professor of Biomedical Engineering

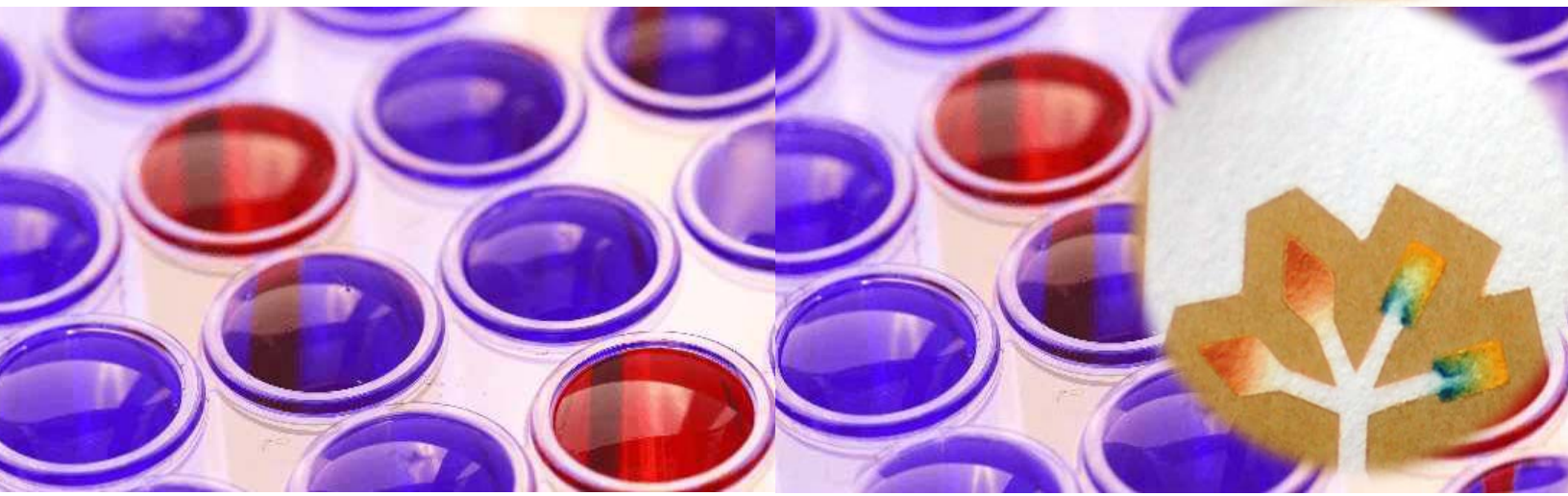
Africa International Biotechnology and Biomedical Conference, AIBBC 2019



Flow Cytometry Course

Monday 26th August 2019	
09:00-11:00	What does it do and how does it work? Why do we use them?
	Light sources, detectors and data acquisition
	1st demo session: Each group point out their instrument features (divide into 4 groups, Gp 1Acea, Gp2Cytek, Gp3Luminex, Gp4Coulter)
	. Reconvene for class: Histograms, dot plots, analysis review, standards
11:00-11:30	Tea Break (Exhibition booth visit)
11:30-13:00	Applications: Phenotyping, cell cycle, analysis
	2nd Demo session: First demo session: (divide into 4 groups, Gp2Acea, Gp3Cytek, Gp4Luminex, Gp1Coulter)
13:00-14:00	Lunch
14:00-15:30	Types of instrument available? Review
	3rd Demo session: Simple 1, 2, 3 color collection (divide into 4 groups, Gp3Acea, Gp4Cytek, Gp1Luminex, Gp2Coulter)
15:30-16:00	Tea Break (Exhibition booth visit)
16:00-17:30	Discussion of data collected and questions
	4th Demo session: Cell Cycle (divide into 4 groups, Gp4Acea, Gp1Cytek, Gp2Luminex, Gp3Coulter)
17:30-18:00	All groups convene in the Central Lecture Hall
	Closing remarks for Day 1
Tuesday 27th August 2019	
09:00-11:00	Advanced Flow Cytometry – Introduction to Cell Sorting
11:00-11:30	Tea Break (Exhibition booth visit)
11:30-13:00	Fundamentals of Cell Cycle Analysis
13:00-14:00	Lunch
14:00-15:30	Multiplexed flow cytometry – bead based ELISA assays
	7th Demo session: how to create reports, demo of on screen analysis (divide into 4 groups, Gp2Acea, Gp3Cytek, Gp4Luminex, Gp1Coulter)
15:30-16:00	Tea Break (Exhibition booth visit)
16:00-17:00	8th Demo session for all students: General overview of all instruments for all students who will get 10 minutes/group and rotate (Acea, Cytek, Luminex, Coulter)
17:00-17:30	All groups convene in the Central Lecture Hall
	Closing Remarks and END of AIBBC 2019 Workshops





Course 2:

Point of care diagnostics for resource-limited settings



Prof. Aman Russom
KTH Royal Institute of
Technology, Sweden



Prof. Tamara Kinzer-Ursem
Purdue University

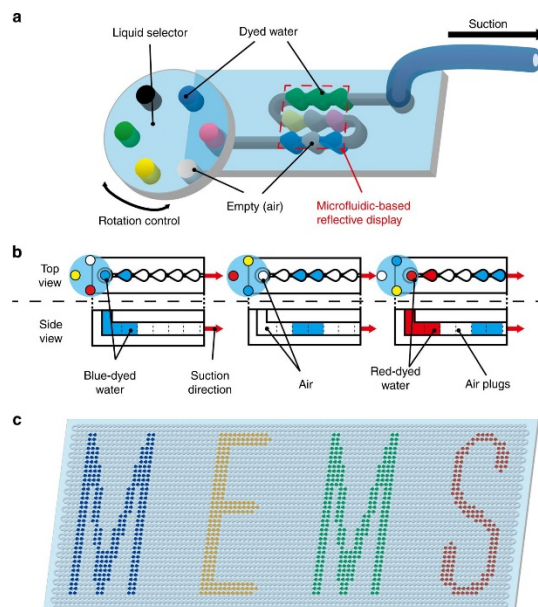


Prof. Jacqueline Linnes
Purdue University



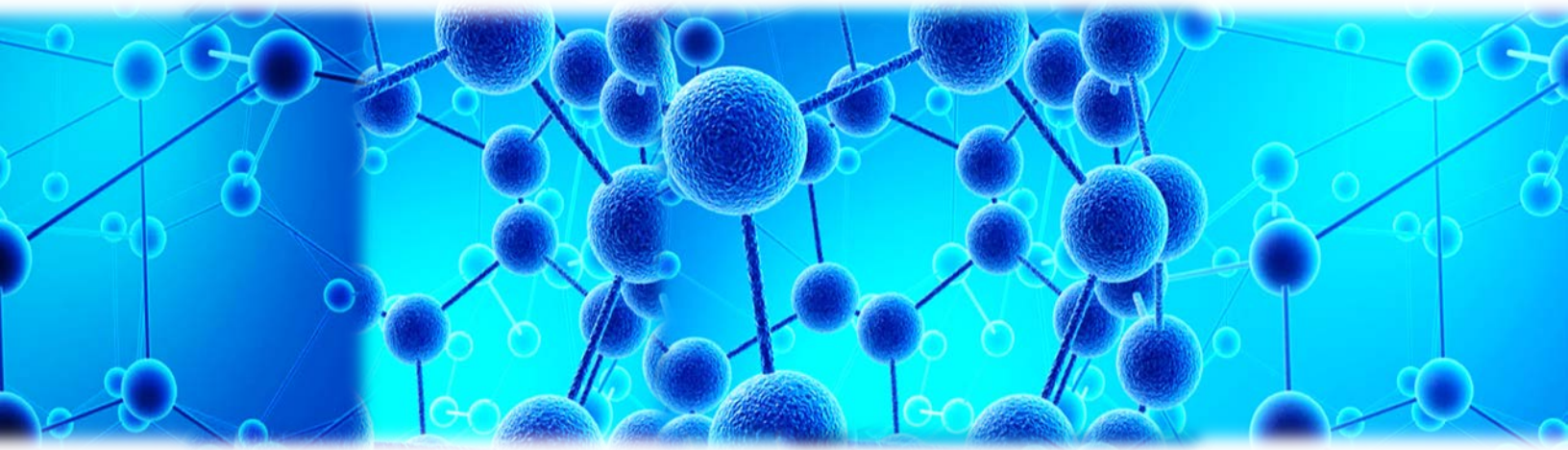
Point of care diagnostics for resource-limited settings

Monday 26th August	
09:00-11:00	From high resource MEMs to POC
11:00-11:30	Tea Break
11:30-13:00	Pathogen detection via protein immunoassay and nucleic acid amplification
13:00-14:00	Lunch
14:00-15:30	Concentrator design and testing
15:30-16:00	Tea Break (Exhibition booth visit)
16:00-17:30	Concentrator design and testing
17:30-18:00	All groups convene in the Central Lecture Hall
	Closing remarks for Day 1
Tuesday 27th August 2019	
09:00-11:00	Introduction to microfluidics (Microfabrication & physics at the microscale)
11:00-11:30	Tea Break (Exhibition booth visit)
11:30-13:00	Microfluidics POC applications and platforms
13:00-14:00	Lunch
14:00-15:30	Hands-on-training: mixing and separation
15:30-16:00	Tea Break and Exhibition booth visit
16:00-17:00	Hands-on-training: mixing and separation continued
17:00-17:30	All groups convene in the Central Lecture Hall
	Closing remarks and END of AIBBC 2019 Workshops



<https://www.nature.com/articles/s41378-018-0018-1>





Course 3: Molecular Diagnostics Course ***(Solid Phase PLA Short Course)***



Prof. Masood Kamali-
Moghaddam



Dr. Radiosa Gallini



Department of Immunology, Genetics and Pathology (IGP)
Uppsala University, Sweden

Africa International Biotechnology and Biomedical Conference, AIBBC 2019



Molecular Diagnostics Course

Monday 26th August 2019	
09:00-11:00	Introduction to protein detection assays. General introduction to Solid Phase PLA (history of the assay development)
11:00-11:30	Tea Break (Exhibition booth visit)
11:30-13:00	Lab protocol introduction
13:00-14:00	Lunch
14:00-15:30	Magnetic beads preparation and storage
15:30-16:00	Tea Break (Exhibition booth visit)
16:00-17:30	Probes preparation and incubation, magnetic beads storage
17:30-18:00	All groups to convene in Central Lecture Hall
	Closing Remarks for Day 1
Tuesday 27th August 2019	
09:00-10:30	Serial dilution of samples, capture on beads incubation, probes preparation
10:30-11:00	Tea Break (Exhibition booth visit)
11:00-13:00	Washing and probes incubation, PCR mix
13:00-14:00	Lunch
14:00-15:30	qPCR run/ (Chemistry used in Real Time PCR*)
15:30-16:00	Tea Break (Exhibition booth visit)
16:00-17:00	qPCR data analysis
17:00-17:30	All groups convene in Central Lecture Hall
	Closing Remarks and END of AIBBC 2019 Workshops

*Africa Biosystems





Course 4:

New Insights into HIV Infections & Antimicrobial Resistance (AMR) Stewardship



Prof Elizabeth Bukusi,
KEMRI, Kenya



Prof Guido Poli
San Raffaele Scientific Institute, Italy



Dr Eddy Odari
Jomo Kenyatta University
Of Agri & Tech (JKUAT), Kenya



Dr Judith Ochola
Ipswich Hospital, Australia



New Insights into HIV Infections & Antimicrobial Resistance (AMR) Stewardship

Monday 26th August 2019	
Implementing the 90.90.90 Agenda- successes and existing gaps	
09:00-09:30	The UNAIDS 90.90.90 Agenda and the reality of ZERO transmission of HIV and ending AIDS epidemic by 2030
09:30-10:00	The concept of process/ systems mapping as a strategy of identifying the process/systems gaps inHIV program implementation
10:00-11:00	Enhancing HIV testing and screening services- Partner notification as a strategy
	Private sector experience
	Public sector
	Discussions Q/A
11:00-11:30	Tea Break (Exhibition booth visit)
11:30-13:00	Enhancement of treatment and reduction of transmission
	Strategies, success and existing gaps in Pre-exposure prophylaxis
	Defaulter tracing within and without the hard to reach populations
	Health as an economic engagement (the shamba maisha project)
	Discussions Q/A
13:00-14:00	Lunch
14:00-17:30	Immunopathogenesis of HIV infection
	HIV life cycle and host cell restriction factors
15:30-16:00	Tea Break (Exhibition booth visit)
16:00-17:30	The role of immune response (CTL, Abs) and the search of a preventative vaccine
	Practical session on flow cytometry
17:30-18:00	All gather in the Central Lecture Hall for closing remarks for Day 1
Tuesday 27th August 2019	
09:00-11:00	Natural (and Cart- induced?) resistance to HIV infection and/or disease progression
11:00-11:30	Tea Break (Exhibition booth visit)
11:30-12:15	HIV latency and persistency in individuals receiving cART. Searching for a "Functional Cure"
12:15-13:00	Practical session on flow cytometry
13:00-14:00	Lunch
14:00-14:45	Antimicrobial stewardship: A tale of two cities
14:45-15:30	Monitoring of antimicrobial resistance and the effects of early diagnosis
15:30-16:00	Tea Break (Exhibition booth visit)
16:00-17:00	Practical session of Point of Care
17:00-17:30	All groups convene in the Central Lecture Hall
	Closing Remarks and END of AIBBC 2019 Workshops



CONFERENCE PROGRAM

4th Africa International Biotechnology and Biomedical Conference, AIBBC 2019 AUGUST 28-31 2019, MOMBASA, KENYA PROGRAM FOR AUG. 28, 2019	
Day 0 (AUG 28, 2019)	
AIBBC AGM	9:00-11:00 AIBBC Membership drive/ Annual General Meeting (Venue: KCB Leadership Center, Nairobi)
CHANGE of VENUE	11:00 Conference participants gather at their respective hotels 11:30 Depart hotel for NAIROBI SGR (train) TERMINAL 14:00 Depart for MOMBASA by SGR (Enjoy 6 hours of breathtaking train ride) 19:30 Arrive in Mombasa (estimated arrival time) 20:30 Hotel arrival (estimated arrival time)--> Checkin and rest
End of Day 0	

August 31st Biodiversity Study Tour PROGRAM	
Saturday AUG. 31, 2019	
TIME	Biodiversity study tour
BIODIVERSITY STUDY TOUR	5:45 Participants gather at the hotel lobby
	6:00 Depart by bus (packed breakfast to be taken enroute)
	9:00 Estimated arrival at study site
	9:00-12:30 Study tour
	2:30-13:30 Lunch
	3:30-15:30 Study tour
	15:30 Start journey back
	17:30 Estimated arrival at Mombasa airport
	19:00 Estimated arrival at PrideInn hotel
	END of ALL PROGRAMS
	See you at the next AIBBC

4th Africa International Biotechnology and Biomedical Conference, AIBBC 2019
AUGUST 28-31 2019, MOMBASA, KENYA
CONFERENCE PROGRAM (Day 1)

Day 1 (AUG. 29, 2019)

TIME	Event/KEY	PRESENTER	INSTITUTION	TITLE	
7.30 - 8:45	REGISTRATION	Registration/ Pickup Nametag/ Receipts etc			
OPENING CEREMONY	8:45-9:50	Opening Ceremony MC: Dr. Eddy Odari, JKUAT, Kenya			
	8:45 - 9:00	Opening remarks	Prof. Collins Ouma	Maseno University, Kenya	
	9:00 - 9:25	Opening Speech	Prof. Elizabeth Bukusi	Kenya Medical Research Institute/IARTP	RESEARCH AS A CAREER PATH : WHAT THEY DID NOT TEACH YOU IN GRADUATE SCHOOL
	9.25 - 9:50	Special talk	Dr. Shinji Yamada	Hitachi Ltd. Japan	HITACHI R&D ACTION FOR ACHIEVEMENT OF SDGS
SESSION 1	9:50-11:00	S1	Chair: Dr. Kennedy Okeyo, Kyoto University, Japan		
	9:50-10:15	KEYNOTE TALK 1	Paul Robinson	Purdue University, USA	THE FUTURE OF CELL ANALYSIS: COULD SPECTRAL BE THE ANSWER?
	10:15-10:30	S1 Talk 1	Takeharu Nagai	Osaka University Japan	TRANS-SCALE IMAGING TOWARD SINGULARITY BIOLOGY
	10:30-10:45	S1 Talk 2	Masood Kamali-Moghaddam	Uppsala University, Sweden	PROXIMITY ASSAYS FOR SENSITIVE DETECTION OF PROTEINS AND CHARACTERIZATION OF EXOSOMES
	10:45 - 11:00	S1 Talk 3	Masashi Tachikawa	Institute for Frontier Life and Medical Sciences, Kyoto University	PHYSICAL MODELING OF FORMATION OF CELLULAR ORGANELLE
11:00-11:30 Break					
SESSION 2	11:30-12:30	YI	Young Investigators' Session I, Chair: Stephen Kanyiva Kyalo, Waseda University, Japan		
	11:30-11:42	YI talk 1	Larayetan Rotimi	University of Fort Hare, South Africa	SILVER NANOPARTICLES MEDIATED BY CALLISTEMON CITRINUS EXTRACTS AND THEIR ANTIMALARIA, ANTITRYPANOSOMAL AND ANTIBACTERIAL EFFICACY
	11:42-11:54	YI talk 2	Jeonghyun Kim	Institute for Frontier Life and Medical Sciences, Kyoto University, Japan	EFFECT OF THREE-DIMENSIONAL STRUCTURE FOR PRE-OSTEOBLAST CELLS ON OSTEOCYTE DIFFERENTIATION
	11:54-12:06	YI talk 3	Kelvin Brian Musyoka	Jomo Kenyatta University of Agriculture and Technology, Kenya	MUTATIONS IN PLASMODIUM FALCIPARUM CLATHRIN-ASSOCIATED ADAPTOR PROTEIN 2 AND KELCH 13 PROPELLER REGION ASSOCIATED WITH DELAYED PARASITE CLEARANCE IN NYANDO, KISUMU COUNTY
	12:06-12:18	YI talk 4	Cassien Nduwimana	Ministry of Public Health and the Fight against AIDS, Burundi	PREVALENCE AND GENETIC CHARACTERIZATION OF ROTAVIRUS INFECTIONS AMONG CHILDREN UNDER FIVE YEARS IN MUTAHO HEALTH DISTRICT AND BUJUMBURA MUNICIPALITY, BURUNDI
	12:18-12:30	YI talk 5	Ernest Wandera Apondi	Mount Kenya University, Kenya	A MICROFLUIDIC DEVICE FOR RAPID DETECTION OF GROUP B STREPTOCOCCUS IN URINE SAMPLES BASED ON IFAST AND ATP BIOLUMINESCENCE ASSAY
12:30-13:30 Lunch					
13:30-15:00 POSTER PRESENTATIONS DAY 1 (Evaluations for Best Poster Award)--Coordinator: Mr Josiah Kuja, JKUAT, KENYA					
SESSION 3		S3	Chair: Prof. Julius Oyugi, Nairobi University, Kenya		
	15:00-15:25	KEYNOTE TALK 2	Hidetoshi Kotera	RIKEN, Japan	ROLE OF ENGINEERING FOR LIFE SCIENCE
	15:25-15:50	S3 talk 3	Hiroko Hanzawa	Hitachi Ltd. Japan	AUTOMATED CELL CULTURE EQUIPMENT FOR REGENERATIVE MEDICINE
	15:50-16:15	S3 talk 3	Yoshitaka Kameo	Institute for Frontier Life and Medical Sciences, Kyoto University, Japan	IN SILICO EVALUATION OF FLOW-INDUCED STRAIN ON OSTEOCYTE PROCESSES AMPLIFIED BY PERICELLULAR MATRIX
	16:15-16:30	S3 talk 3	Hiroshi Miyoshi	Tokyo Metropolitan University, Japan	A SUBMICROMETER SCALE STRUCTURED SURFACE FOR SIMPLIFIED LONG-TERM CULTURE OF HUMAN MESENCHYMAL STEM CELL
16:30-16:45 Break					
SESSION 4		S4	Chair: Eddy Odari, JKUAT, Kenya		
	16:45-17:10	KEY NOTE TALK 3	Guido Poli	San Raffaele University and Scientific Institute, Italy	THE ISSUE OF ONE OR MORE HIV RESERVOIR(S)
	17:10-17:25	S4 talk 1	Andreas A. Kudom	University of Cape Coast, Cape Coast, Ghana	CHARACTERIZATION OF ANOPHELES MOSQUITO BREEDING HABITATS USING FLUORESCENCE SPECTROSCOPY
	17:25-17:40	S4 talk 2	Mwavita Amos Lewa	Kenya Medical Research Institute Center for Microbiology Research, Kenya	EFFICACY AND SAFETY OF HERBAL FORMULATIONS USED FOR MANAGEMENT OF HIV/AIDS IN MOMBASA COUNTY
	17:45-18:00	S4 talk 3	Winnie A. Okeyo	Biotechnology Research Institute, KALRO	GENETIC DIFFERENTIATION OF Glossina pallidipes TSETSE FLIES IN KENYA
	18:00-18:15	S4 talk 4	Kyalo Stephen Kanyiva	Global Center of Science and Engineering, Waseda University, Japan	SILVER-CATALYZED SYNTHESIS OF COUMARINS AND OXINDOLES USING α -AMINO ACID SULFONAMIDES
	18:15-18:30	S4 talk 5	Julius Oyugi	University of Nairobi Institute of Tropical and Infectious Diseases.	ASSOCIATION BETWEEN BACTERIAL VAGINOSIS INFECTION AND PRETERM BIRTHS AMONG PREGNANT WOMEN IN KISUMU COUNTY, KENYA.
18:30 ~ Dinner and networking					

4th Africa International Biotechnology and Biomedical Conference, AIBBC 2019
AUGUST 28-31 2019, MOMBASA, KENYA
CONFERENCE PROGRAM (Day 2)

Day 2 (AUG. 30, 2019)

	TIME	Event/ KEY	PRESENTER	INSTITUTION	TITLE
	7:30 - 9:00	REGISTRATION Registration/ Pickup Nametag/ Receipts etc			
SESSION 5	9:00-09:00	S5	Chair: Steven Ger Nyanjom, Jomo Kenyatta University of Agriculture & Technology (JKUAT), Kenya		
	9:00-9:25	KEYNOTE TALK 4	Taiji Adachi	Institute for Frontier Life and Medical Sciences, Kyoto University, Japan	CELL ALIGNMENT OF DIFFERENTIATED OSTEOCYTES ON COLLAGEN GEL WITH MECHANICAL CONSTRAINT
	9:25-9:40	S5 Talk 1	Oluwatoyin Osinimega Ojo	University of Ibadan, Nigeria	INHIBITION OF MITOCHONDRIAL-MEDIATED APOPTOSIS BY QUERCETIN RESTORES CARDIOPROTECTION IN A RAT MODEL OF TYPE 2 DIABETES
	10:25-10:40	S5 Talk 5	Tsuyoshi Hirashima	Graduate School of Medicine, Kyoto University	MECHANO-CHEMICAL COUPLING IN EPITHELIAL TISSUES FOR COLLECTIVE DYNAMICS AND PATTERN FORMATION
	9:55 - 10:10	S5 Talk 3	Makito Miyazaki	Kyoto University, Japan	THE ACTIN CYTOSKELETON DYNAMICS IN A CELL-SIZED CONFINED SPACE
	10:10-10:25	S5 Talk 4	Takahiro Nitta	Applied Physics, Gifu University, Gifu, Japan	MOVEMENTS OF MOLECULAR SHUTTLES DRIVEN BY MOTOR PROTEINS
	9:40-9:55	S5 Talk 2	Masanori Nakamura	Dept of Elect. & Mech. Eng., Nagoya Institute of Technology, Japan	COMPUTATIONAL ANALYSIS OF DEVELOPMENT OF AN INTRACRANIAL ANEURYSM INDUCED BY LOCAL VASCULAR WALL REMODELING
10:40-11:00 Break					
Young Investigators session YI2	11:00-12:30	YI2	Young Investigators' Session II, Chair: Dr. Dawn Maranga, Institute of Primate Research (IPR), KENYA		
	11:10-11:22	YI2 talk 1	Martin Omondi Alfred	School of Life Science & Technology, China Pharmaceutical University, China	RECOMBINANT Reg3 β PROTEIN PROTECTS AGAINST STREPTOZOTOCIN INDUCED B-CELL DAMAGE AND DIABETES
	11:22-11:44	YI2 talk 2	Arojoye Oluwatosin Adetola	Department of Biochemistry, Lead City University, Nigeria	IMPACT OF ENVIRONMENTAL POLLUTION ON OXIDATIVE STRESS INDICES IN AFRICAN CAT FISH (CLARIAS GARIEPINUS) FROM ARAROMI RIVER IN ONDO STATE, NIGERIA
	11:44-11:56	YI2 talk 3	Milka Wambui	Jomo Kenyatta University of Agriculture and Technology, Kenya	EVALUATION OF ANTIMALARIAL ACTIVITY, ACUTE ORAL TOXICITY AND IN SILICO ADMET PROFILES OF 3-CHLORO-4-(4-CHLOROPHENOXY) ANILINE AND ITS ARTESUNATE HYBRID
	11:56-12:08	YI2 talk 4	Melinda Ann Lake	Purdue University, School of Mechanical Engineering, USA	ELECTROSTATIC ACTUATOR FOR CELL SORTING AT A MICROFLUIDIC BIFURCATION
	12:08-12:20	YI2 talk 5	Adewoyin Martin Ogunmolayuyi	Rhodes University, South Africa	PAPER-BASED ELONA FOR DETECTION OF PLASMODIUM FALCIPARUM LACTATE DEHYDROGENASE IN MALARIA INFECTION
12:20-13:30 Lunch					
13:30-15:00 POSTER PRESENTATIONS DAY 2 (Evaluations for Best Poster Award)					
SESSION 6		S6	Chair: Dr. Lucy Ochola, Institute of Primate Research, Kenya		
	15:00-15:25	KEYNOTE TALK 5	Evans. C. Egwim	Federal University of Technology, Nigeria	AGRICULTURAL BIOTECHNOLOGY IN AFRICA: PROGRESS, PROBLEMS AND PROSPECTS
	15:25-15:50	S6 talk 1	Laud Anthony W. Basing	Purdue University & Department of Clinical Microbiology, KNUST, Kumasi, Ghana	A LOOP-MEDIATED ISOTHERMAL AMPLIFICATION (LAMP) ASSAY FOR THE DETECTION OF <i>TREPONEMA PALLIDUM</i> SUBSP. <i>PERTENUE</i>
	15:50-16:15	S6 talk 2	Ahmed Zeynudin	Jimma University, Ethiopia	PREVALENCE AND ANTIBIOTIC SUSCEPTIBILITY PATTERN OF CTX-M TYPE EXTENDED-SPECTRUM B-LACTAMASES AMONG CLINICAL ISOLATES OF GRAM-NEGATIVE BACILLI IN JIMMA, ETHIOPIA
	16:15-16:30	S6 talk 3	Tony Imunyo Isebe	KEMRI-Wellcome Trust Research Programme	MOLECULAR CHARACTERIZATION OF RECOMBINANT PLASMODIUM FALCIPARUM PHISTB PROTEINS AS POTENTIAL TARGETS OF NATURALLY ACQUIRED IMMUNITY AGAINST MALARIA TRANSMISSION IN HUMANS
16:30-16:45 Break					
SESSION 7		S7	Chair: Collins Ouma, Maseno University, Kenya		
	16:45-17:10	KEY NOTE TALK 6	Aman Russom	KTH Royal Institute of Technology, Sweden	MOBILE-LABDISC FOR POINT-OF-CARE DIAGNOSTICS AT RESOURCE LIMITED SETTING
	17:10-17:25	S7 talk 1	Masahiro Takei	Chiba University, Japan	POSSIBILITY OF PARASITE DETECTION IN BLOOD BY EIT AND EIS
	17:25-17:40	S7 talk 2	Jacqueline Linnes	Weldon School of Biomedical Engineering Purdue University, USA	HANDHELD POINT-OF-CARE TEST TO DETECT HIV RNA FROM BLOOD
	17:40-17:55	S7 talk 3	Osamu Kurosawa	RIKEN, Cluster for Science, Technology and Innovation Hub	THE MICRO MESH CULTURE METHOD REALIZES THE FORMATION AND LONG-TERM CULTURE OF 3D CELL SHEET CAPABLE OF ENHANCED CELL FUNCTION AND MICROSCOPIC OBSERVATION
	18:55-18:10	S7 talk 4	Tamara Kinzer-Ursem	Weldon School of Biomedical Engineering Purdue University	IMPLEMENTING SMARTPHONE-BASED POINT-OF-CARE DIAGNOSTICS
	18:10-18:35	KEYNOTE TALK 7	Gunturu Revathi	Aga Khan University, Kenya	A STRONG SELLING POINT FOR ANTI-MICROBIAL STEWARDSHIP
19:30 ~23:00 Conference reception and networking event					

4th Africa International Biotechnology and Biomedical Conference, AIBBC 2019

AUGUST 28-31 2019, MOMBASA, KENYA

CONFERENCE POSTER PROGRAM

POSTER NUMBER	AUG. 29, 2019 DAY 1 POSTER PRESENTATIONS (Time: 13:30-15:00)---- Coordinator:Mr Josiah Kuja, JKUAT, KENYA			
D1P1	Abdul Hamid Lukumbagire	Sokoine University of Agriculture, Morogoro	Tanzania	EVALUATION OF MULTIPLE SEROLOGY TESTS FOR ACUTE BRUCELLOSIS IN A PASTORALIST COMMUNITY OF NORTHERN TANZANIA
D1P2	Alfred Kalu	National Biotechnology development Agency (NABDA), Environmental Biotech. and Bio-conservation Depart	Nigeria	EFFECTS OF BIO-CROSSLINKING IN THE DEVELOPMENT OF STARCH BASED BIOPLASTICS
D1P3	Ayman Ahmed Elshayeb	University of Khartoum	Ethiopia	POTENTIALITY OF LYTEC BACTERIOPHAGES AND THEIR VIROLYSINS IN LYSING MULTI-DRUG RESISTANT SALMONELLA TYPHI
D1P4	Emmanuel Moses Bali	Federal University of Technology	Nigeria	PARTIAL PURIFICATION AND CHARACTERIZATION OF LIPASE EXPRESSED BY Klebsiella pneumoniae ISOLATED FROM OIL CONTAMINATED SOILS
D1P5	Collins Kipkorir Kebenei	Maseno University Department of Zoology	Kenya	PHENOTYPIC AND GENOTYPIC ANTIMICROBIAL RESISTANCE PROFILE IN Escherichia coli ISOLATES FROM HUMAN AND BLACK RHINOCEROS IN LAMBWE VALLEY, KENYA
D1P6	Corinne Mamafo Tchoula	Department of Biochemistry; Faculty of Sciences, University of Yaoundé I	Cameroon	OXIDATIVE STRESS BIOMARKERS IN SEMINAL PLASMA AND THEIR RELATIONSHIP WITH SEMINAL PARAMETERS: A CROSS SECTIONAL STUDY IN YAOUNDÉ
D1P7	Brian Morgan Odhiambo	Jomo Kenyatta University of Agriculture and Technology, Department of Medical Microbiology	Kenya	PARASITOLOGICAL CONTAMINATION OF COMMONLY CONSUMED VEGETABLES AND FRUITS SOLD AROUND JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, MAIN CAMPUS, KENYA
D1P8	Elijah Kolawole OLADIPO	Department of Microbiology, Adeleke University	Nigeria	MULTIDRUG RESISTANCE GENES, INCLUDING OF VIM, CTX, IMP, KPC, SHM AND SPM AMONG CLINICAL ISOLATES OF KLEBSIELLA PNEUMONIAE FROM OGBOMOSO, OYO STATE, NIGERIA
D1P9	Micah Kipkemboi Lagat	Department of Biochemistry and Molecular Biology, Egerton University	Kenya	MODULATION OF AFLATOXIN PRODUCTION BY INTERACTION OF ASPERGILLUS SPECIES FROM EASTERN KENYA
D1P10	Elsa Rush Evang Assengone	Department of Tropical infectiology, Regional Doctoral School of Central Africa, Franceville	Gabon	CLONING OF A VALINE RICH PROTEIN OF SHEATH MICROFILARIAL LOA LOA PARASITE
D1P11	Eric Kyei-Baafour	Department of Immunology, Noguchi Memorial Institute for Medical Research, University of Ghana	Ghana	IMPACT OF AN IRRIGATION DAM ON THE TRANSMISSION AND DIVERSITY OF PLASMODIUM FALCIPARUM IN A SEASONAL MALARIA TRANSMISSION AREA OF NORTHERN GHANA
D1P12	Erick Ondari Nyakundi	Kisii University	Kenya	CHARACTERIZATION OF AMINES USING LC-MS ISOLATED FROM TRIDAX PROCUMBENS AND THEIR POTENTIAL TO SYNTHESIZE SILVER NANOPARTICLES
D1P13	Eva Ruguru Githuku	Jomo Kenyatta University of Agriculture and Technology, Department of Medical Microbiology	Kenya	EVALUATION OF BACTERIAL AND FUNGAL CONTAMINATION IN STORED AND FINAL POULTRY FEEDS IN THINDIGUA, KIAMBU KENYA
D1P14	Nwaechefu Olajumoke Alao	Department of Biochemistry, Lead City University, Ibadan	Nigeria	INDUCTION OF MITOCHONDRIAL-MEDIATED APOPTOSIS BY METHANOL EXTRACT OF CAJANUS CAJAN
D1P15	Esther Akiso Omuseni	Kenya Medical Research Institute, Kisumu	Kenya	GIARDIA ASSEMBLAGES AND DIARRHEA IN CHILDREN BELOW 5 YEARS IN SIAYA COUNTY, KENYA
D1P16	Funmilola Sherif Adefolalu	Department of Biochemistry, Federal University of Technology, Minna.	Nigeria	INVITRO AND INVIVO ANTIOXIDANT ACTIVITY OF AQUEOUS EXTRACT OF CARICA PAPAYA SEED
D1P17	Gilbert Kibet	Jomo Kenyatta University of Agriculture and Technology, Department of Biochemistry	Kenya	PHYLOGENETIC AND PHYLOGEOGRAPHIC META-ANALYSIS OF CYTOCHROME C OXIDASE I BARCODE SEQUENCES OF EAST AFRICAN ARTHROPODS SUBMITTED INTO THE BARCODE OF LIFE DATABASE
D1P18	Yetunde Oyebola Esan	Federal University of Technology, Department of Food Science and technology, Akure, Nigeria	Nigeria	FUNCTIONALITY AND CONSUMER ACCEPTABILITY OF RECONSTITUTED COMPOSITE DUMPLING FROM BLENDS OF RED COCOYAM, UNRIPE PLANTAIN AND AMARANTH SEEDS FLOUR
D1P19	Harriet Netabona Mukhongo	Jomo Kenyatta University of Agriculture and Technology, Biochemistry Department	Kenya	MOLECULAR ANALYSIS OF SULFADOXINE PYRIMETHAMINE AND ARTEMISININ DRUG RESISTANCE FROM THREE HOSPITALS OF ETRITREA
D1P20	Hellen A. Onvango	Jomo Kenyatta University of Agriculture and Technology, Department of Medical Microbiology	Kenya	Urinary Tract Infection among Pregnant Women Seeking Antenatal Services at Pumwani Maternity Hospital, Nairobi, Kenya: Bacterial etiologic agents, Antimicrobial Susceptibility profiles and associated risk factors
D1P21	Hortense Kamga Gonsu	Department of Microbiology, Université de Montagnes	Cameroon	PHENOTYPIC CHARACTERIZATION OF ENTEROBACTERIAL STRAINS PRODUCING CARBAPENEMASES IN THE CITY OF YAOUNDE-CAMEROON
D1P22	Irene Mkavi Okoko	Pan African University Institute of Basic Sciences Technology and Innovation	Kenya	ANTIMICROBIAL SUSCEPTIBILITY PROFILES AND GENOTYPIC ANALYSIS OF BETA-LACTAM RESISTANT BACTERIA ISOLATED FROM MILK OF DAIRY GOATS WITH MASTITIS IN THIKA EAST SUB-COUNTY, KENYA
D1P23	James Miser Akoko	Department of Biomedical Sciences and Technology, Maseno University	Kenya	MOLECULAR EPIDEMIOLOGY OF BRUCELLA IN A TRANSBOUNDARY LIVESTOCK PRODUCTION SYSTEM BETWEEN TANZANIA AND KENYA
D1P24	Jean Baptiste Niyibizi	University of Global Health Equity (UGHE)	Rwanda	Prevalence of Dyslipidemia and Its Associated Risk Factors Among Diabetic Patients Attending Muhima District Hospital, Kigali City, Rwanda
D1P25	Joab Diro Middii	Maseno University, Department of Biomedical Sciences and Technology	Kenya	ASSOCIATION BETWEEN GENETIC DIFFERENCES IN NATURAL CYTOTOXICITY TRIGGERING RECEPTOR 3 (NCR 3-172A/G AND NCR 3-412C/G)
D1P26	Joana Ayettey	Department of Conservation Biology and Entomology, University of Cape Coast	Ghana	DISTRIBUTION OF CULEX MOSQUITOES IN CAPE COAST: SIMPLE AND ACCURATE DIAGNOSTIC TOOL NEEDED FOR SPECIES IDENTIFICATION
D1P27	Job Kisuya	Department of Biomedical Science and Technology, Maseno University	Kenya	THE ROLE OF CYTOKINE IN IMMUNE RESPONSE TO PULMONARY TUBERCULOSIS SMEAR STATUS CO-INFECTED WITH HUMAN IMMUNODEFICIENCY VIRUS
D1P28	Joseph M. Ochieng Oduor	University of Nairobi	Kenya	BIOPROSPECTING FOR NOVEL PHAGES WITH THERAPEUTIC SIGNIFICANCE AGAINST PATHOGENIC Staphylococcus spp
D1P29	Matthew Obaineh Ojezele	Delta State University, Department of Pharmacology and Therapeutics, Abraka, Nigeria	Nigeria	ANTIMICROBIAL RESISTANCE OF CLINICAL ISOLATES OF SALMONELLA TYPHI IN ANYIGBA, KOGI STATE, NIGERIA
D1P30	Joseph O. Muga	Department of Medical Biochemistry, Maseno University, Maseno	Kenya	EVALUATION OF HEPARIN-FUNCTIONALIZED SOLID LIPID NANOPARTICLES LOADED WITH CHLOROQUINE FOR ANTIPLASMODIAL ACTIVITY
D1P31	Kolawole H. Aremu	Osun State University	Nigeria	MOLECULAR DETECTION OF SOME RESISTANCE GENES BY NESTED PCR IN Salmonella spp. ISOLATED FROM MEAT AND STOOL SAMPLES IN NIGER STATE, NIGERIA
D1P32	Lucy W. Kamau	Jomo Kenyatta University of Agriculture and Technology	Kenya	Immunomodulatory and Anti-malarial Effects Ajuja remota and Caesalpinia volkensii Extracts during Plasmodium berghei Infection in Balb/C Mice
D1P33	Martin Wekesa Sifuna	Chiba University	Japan	PROTEIN RESISTIVITY IMAGING BY ELECTRICAL IMPEDANCE TOMOGRAPHY FOR BETIMES DIAGNOSIS OF UNILATERAL LYMPHEDEMA
D1P34	Mary Ladidi Abu	Department of Biochemistry, Faculty of Natural Sciences Ibrahim Badamasi Babangida University	Nigeria	EVALUATING THE ACTIVITIES OF α -AMYLASE IN SOME NIGERIA CEREALS AND ROOT-TUBERS
D1P35	Josephat Kipsang Bungei	Jomo Kenyatta University of Agriculture & Technology, Biochemistry, Nairobi, Kenya	Kenya	SINGLE-NUCLEOTIDE POLYMORPHISM CHARACTERIZATION OF GAMETOCYTE DEVELOPMENT 1 GENE IN PLASMODIUM FALCIPARUM ISOLATES FROM BARINGO, UASIN GISHU, AND NANDI COUNTIES, KENYA
D1P36	Mathew Alaba	Department of Public Health Biotechnology, College of Medicine, University of Ibadan	Nigeria	DESIGN OF LOW COST GENOMIC ANALYSIS EQUIPMENT IN NIGERIA
D1P37	Zipporah Wanjiku Macharia	University of Nairobi, Department of Medical Microbiology, Nairobi	Kenya	ACANTHAMOEBA- ASSOCIATED PSEUDOMONAS SPECIES IN KENYATTA NATIONAL HOSPITAL CRITICAL CARE UNIT
D1P38	Matthew Obaineh Ojezele	Delta State University, Department of Pharmacology and Therapeutics, Nigeria.	Nigeria	EFFECTS OF CAFFEINE AND NICOTINE ON THE POPULATION AND DIVERSITY OF GUT BACTERIAL MICROBIOME AND BRAIN OXIDATIVE STRESS
D1P39	Kenhamman Wangila Nyong'o	Jomo Kenyatta University of Agriculture and Technology	Kenya	Determination of Microbial Contaminants of Smokeless Tobacco Products (Nicotina tubacum) Sold Locally in Limuru and Mombasa Markets in Kenya
D1P40	Mitsuru Hattori	The Institute of Scientific and Industrial Research, Osaka University	Japan	BIOLUMINESCENT SENSORS FOR MEASURING HEAVY METAL IONS IN WATER BY MOBILE CAMERA
D1P41	Kennedy Muna	Mount Kenya University	Kenya	Characterization of Biomphalaria pfeifferi Proteins Expressing Immunogenic Properties Against Schistosoma mansoni: Strategy For Vaccine Development
D1P42	Matthew Obaineh Ojezele	Delta State University, Department of Pharmacology & Therapeutics, Abraka, Nigeria	Nigeria	URINARY TRACT INFECTION: PREVALENCE, ISOLATED ORGANISMS AND ANTIMICROBIAL RESISTANCE/SUSCEPTIBILITY PATTERN, SOUTH-SOUTH NIGERIA

4th Africa International Biotechnology and Biomedical Conference, AIBBC 2019

AUGUST 28-31 2019, MOMBASA, KENYA

CONFERENCE POSTER PROGRAM

POSTER NUMBER	AUG. 30, 2019 DAY 2 POSTER PRESENTATIONS (Time: 13:30-15:00)---Coordinator: Dr. Celestine Makobe, JKUAT, Kenya			
D2P1	Meshack Obonyo	Department of Biochemistry and Molecular Biology, Egerton University	Kenya	DEVELOPMENT OF AN ELISA-BASED METHOD FOR TESTING AFLATOXIGENICITY AND AFLATOXIGENIC VARIABILITY AMONG ASPERGILLUS SPECIES IN CULTURE
D2P2	Mike Onyewehehi Ojemaye	University of Fort Hare	South Africa	SYNTHESIS, CHARACTERIZATION, ANTIMALARIAL, ANTITRYPANOCIDAL AND ANTIMICROBIAL PROPERTIES OF GOLD NANOPARTICLE
D2P3	Moses Kamita	Mount Kenya University, Directorate of Research and Innovation	Kenya	RAPID DETECTION OF MATERNAL BACTERIAL INFECTION USING HELICASE-DEPENDENT AMPLIFICATION COMBINED WITH A LATERAL FLOW ASSAY
D2P4	Mumtaz Muhumed Ahmed	Department of Medical Microbiology, Jomo Kenyatta University of Agriculture and Technology	Kenya	DETERMINATION OF ANTIMICROBIAL ACTIVITY OF FENUGREEK SEEDS EXTRACT (TRIGONELLA FOENUM-GRaecUM) OBTAINED FROM EASTLEIGH MARKET IN NAIROBI AGAINST STAPHYLOCOCCUS AUREUS, ESCHERICHIA COLI, PSEUDOMONAS AUREGINOSA AND CANDIDA ALBICANS
D2P5	Olubukola Oyeimpe Akanni	College of Medicine, Nigeria	Nigeria	METHYL JASMONATE REDUCES TESTOSTERONE-INDUCED BENIGN PROSTATIC HYPERPLASIA THROUGH REGULATION OF INFLAMMATORY AND APOPTIC PROCESSES IN RATS
D2P6	Pascal BUTOYI	Department of Medical Microbiology, Jomo Kenyatta University of Agriculture and Technology	Kenya	MOLECULAR CHARACTERIZATION OF HIV-1 AND DRUG RESISTANCE AMONG HIV-1 INFECTED PATIENTS ATTENDING KAYANZA DISTRICT HOSPITAL, BURUNDI
D2P7	Patience O. Evans	Federal University of Technology Minna, Niger State	Nigeria	KINETIC MODELING OF PLANTAIN TRUNK BIOMASS HYDROLYSIS FOR BUTANOL PRODUCTION
D2P8	Paul M. Kosiyo	Jomo Kenyatta University of Agriculture and Technology	Kenya	Evaluation of vaginal cytology through clue cell detection and Nugent's score in the laboratory diagnosis of Bacterial Vaginosis in women of reproductive age
D2P9	Peter M. Waziri	Kaduna State University, Kaduna Nigeria	Nigeria	Clausenidin induces a G0/G1 and G2/M cell cycle arrest in HepG2 cells
D2P10	Pauline Winnie Orondo	Jomo Kenyatta University of Agriculture and Technology Biochemistry Department	Kenya	PYRETHROID AND ORGANOPHOSPHATE INSECTICIDE RESISTANCE IN ANOPHELES ARABIENSIS IN WESTERN KENYA
D2P11	Bosede Oluwaseun Popoola	Department of Biochemistry, College of Medicine, University of Ibadan, Ibadan	Nigeria	AMELIORATIVE ROLE OF KOLAVIRON, A BIFLAVONOID FRACTION FROM GARCINIA KOLA SEEDS, IN COMORBIDITY OF DIABETES MELLITUS AND BENIGN PROSTATIC HYPERPLASIA IN CASTRATED RATS
D2P12	Rahma Ordofo Golicha	Jomo Kenyatta University of Agriculture and Technology, Department: Medical Microbiology	Kenya	ANTIMICROBIAL ACTIVITY OF FRESH AND FERMENTED CAMEL MILK FROM KAMBI OPHA VILLAGE, JSIOLU COUNTY AGAINST STAPHYLOCOCCUS AUREUS, ESCHERICHIA COLI, BACILLUS SUBTILIS AND CANDIDA ALBICANS
D2P13	Matthew Obaineh Ojezele	Delta State University, Department of Pharmacology and Therapeutics, Abraka, Nigeria	Nigeria	PHYTOCHEMICAL CONTENT OF CANNABIS SATIVA METHANOL EXTRACT AND IN VITRO ANTIOXIDANT ACTIVITIES OF ITS SOLVENT FRACTIONS
D2P14	Rémy Harabandi	Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya	Kenya	PREVALENCE OF HEPATITIS A VIRUS IN PATIENTS ATTENDING A REFERRAL HOSPITAL IN BUBANZA PROVINCE, NORTHWEST BURUNDI
D2P15	Sherifat Funmilola Adefolalu	Department of Biochemistry, Federal University of Technology P.M.B	Nigeria	Invitro and Invivo Antioxidant activity of aqueous extract of Carica papaya Seed
D2P16	Risaph Torrorey-Sawe	Department of Immunology, School of Medicine, College of Health Sciences, Moi University	Kenya	DETERMINATION OF CYP2D6 *3, *4, *5, AND *17 FREQUENCY IN BREAST CANCER PATIENTS FROM WESTERN KENYA
D2P17	Sherifat Funmilola Adefolalu	Entomology Unit, Department of Biology, Ahmadu Bello University, Zaria, Nigeria	Nigeria	EVALUATION OF REPELLENT EFFECT OF EXTRACTS OF Hyptis suaveolens AND Ocimum gratissimum LEAF ON DIPTERA (CULICIDAE)
D2P18	Shogo Nagata	Institute of Industrial Sciencw, The University of Tokyo	Japan	ORGANOID ENGINEERING: FIBROUS NEURAL ORGANOID FORMATION USING MICROFLUIDIC DEVICE
D2P19	Sila otieno Omondi	Maseno University, School of Public Health and Community development	Kenya	Assessment Of Knowledge, Attitudes And Beliefs Of Sickle Cell Disease Among Caregivers Attending Paediatric Out-Patient Clinic At Homa Bay County Referral Hospital
D2P20	Stella Wanjiku Gikunju	Jomo Kenyatta University of Agriculture and Technology	Kenya	PREVALENCE OF SULPHADOXINE-PYRIMETHAMINE (SP) DRUG RESISTANT GENE MARKERS IN PLASMODIUM FALCIPARUM ISOLATES FROM WOMEN RECEIVING INTERMITTENT PREVENTIVE TREATMENT IN PREGNANCY (IPTp) AT MSAMBWENI DISTRICT HOSPITAL IN KWALE COUNTY BETWEEN 2013-2015
D2P21	Tawakaltu AbdulRasheed-Ad	Department of Biochemistry, Federal University of Technology P.M.B	Nigeria	EFFECT OF ACETIC ANHYDRIDE, CITRIC ACID AND CELLULOSIC FIBERS ON THE PROPERTIES OF CASSAVA STARCH NANOCOMPOSITE FILM FOR EGG STORAGE
D2P22	Thecla Iheoma AKUKWE	Department of Geography, University of Nigeria, Nsukka, Enugu State, Nigeria	Nigeria	CLIMATE VARIATIONS AND THE INCIDENCE OF ONCHOCERCIASIS (RIVER BLINDNESS) IN OKIGWE LOCAL GOVERNMENT AREA, NIGERIA
D2P23	Yuta Ando	Institute for Frontier Life and Medical Sciences, Kyoto University	Japan	PROBING THE SELF-ORGANIZATION AND DIFFERENTIATION OF STEM CELLS BY MODULATING THE CELL CULTURE MICROENVIRONMENT
D2P24	Vanessa Irumva	Department of Molecular Biology and Biotechnology, Pan-African University, Kenya	Kenya	DEVELOPMENT AND EVALUATION OF Tbg12 AND Tbg117 RECOMBINANT ANTIGENS FOR SLEEPING SICKNESS DIAGNOSIS
D2P25	MARY LADIDI ABU	Faculty of Natural Sciences Ibrahim Badamasi Babangida University Lapai, Niger State, Nigeria	Nigeria	EVALUATING THE ACTIVITIES OF α-AMYLASE IN SOME NIGERIA CEREALS AND ROOT-TUBERS
D2P26	Peris Ambala	Medical Laboratory Department, Kenyatta University, Nairobi, Kenya.	Kenya	ONE HEALTH APPROACH ON DETECTION OF FILOVIRUSES IN LAIKIPIA NORTH COUNTY USING MOLECULAR TOOLS
D2P27	Yosuke Yamazaki	Department of Physics, Waseda University, Tokyo, Japan	Japan	SELF-ORGANIZING MECHANISMS FOR THE SEGREGATION OF ACTIN BINDING PROTEINS ON ACTIN NETWORK
D2P28	Yukari Koyama	Nippon Veterinary and Life Science University, Department of Veterinary Anatomy, Japan	Japan	EFFECT OF ORAL ADMINISTRATION OF MUNCHURIAN WILD RICE ON GUT MICROBIOTA AND MALARIA PARASITE GROWTH IN MICE
D2P29	Funmilola Sherifat Adefolalu	Department of Biochemistry, Federal University of Technology, Minna.	Nigeria	EVALUATION OF REPELLENT EFFECT OF EXTRACTS OF Hyptis suaveolens AND Ocimum gratissimum LEAF ON DIPTERA (CULICIDAE)
D2P30	Anncarol W. Karanja	Department of Biochemistry, Microbiology & Biotechnology, Kenyatta University	Kenya	USING MICROORGANISMS FOR IMPROVED SOIL FERTILITY AND INCREASED CROP PRODUCTIVITY
D2P31	Bramuel Kisuya	Department of Medical Microbiology, University of Nairobi	Kenya	SEROPREVALENCE OF ZIKA VIRUS IN SELECTED REGIONS IN KENYA
D2P32	Abdul Hamid Lukambagire	Sokoine University of Agriculture, Morogoro	Tanzania	DIAGNOSTIC AND REPORTING PRACTICES OF HUMAN BRUCELLA IN HEALTH FACILITIES AROUND ARUSHA REGION< NORTHERN TANZANIA
D2P33	Jisuvei Clayton Salano	University of Nairobi	Kenya	PREVALENCE, ANTIMICROBIAL SUSCEPTIBILITY, SEROTYPES AND RISK FACTORS FOR GROUP B STREPTOCOCCUS RECTOVAGINAL ISOLATES AMONG PREGNANT WOMEN AT KENYATTA NATIONAL HOSPITAL
D2P34	EDWIN MUKUNGA KURIA	Medical Microbiology, Jomo Kenyatta University of Agriculture and Technology	Kenya	EVALUATION OF THE PHYTOCHEMICAL COMPOUNDS AND THE ANTIMICROBIAL ACTIVITY OF SONCHUS OLERACEUS EXTRACTS ON ESCHERICHIA COLI AND STAPHYLOCOCCUS AUREUS
D2P35	Emilie Newsham	Biomedical Engineering, West Lafayette, Purdue University	USA	LATERAL FLOW ASSAY FOR EARLY-STAGE CERVICAL CANCER DETECTION
D2P36	Jelieth Muthoni	University of Nairobi, Nairobi, Kenya	Kenya	PROFILING OF BACTERIA SPECIES IN BACTERIAL VAGINOSIS INFECTION AMONG PRETERM BIRTHS IN KISUMU COUNTY
D2P37	Francis M. Kenimak	Kenyatta National Hospital & University of Nairobi	Kenya	BACTERIAL AND FUNGAL ISOLATES FROM OPERATING THEATRES AT KENYATTA NATIONAL HOSPITAL
D2P38	Kenji Hikosaka	Department of Infection and Host Defense, Graduate School of Medicine, Chiba University	Japan	PCR TARGETING THE CYTOCHROME C OXIDASE SUBUNIT I GENE FOR CLINICAL DIAGNOSIS OF TOXOPLASMOSIS
D2P39	Leonard Omondi Ochieng	University of Nairobi, Nairobi	Kenya	PREVALENCE OF BACTERIOSPERMIA IN HUMAN SEMEN AMONG INFERTILITY TESTING PATIENTS
D2P40	Lilian Jechirchir Kutol	University of Nairobi, Department of Medical Microbiology	Kenya	COMPARISON OF ANTIMICROBIAL ACTIVITY OF MEDICATED AND PLAIN SOAPS USED BY NAIROBI RESIDENTS IN KENYA
D2P41	Ashlee J. Colbert	Weldon School of Biomedical Engineering, Purdue University	USA	ROBUST AND RAPID DETECTION OF MALARIA USING PD-LAMP ON A SMARTPHONE
D2P42	Takeharu Nagai	Osaka University	JAPAN	TOWARD IN-HOME BLOOD-BASED DIAGNOSIS WITH BIOLUMINESCENT INDICATORS

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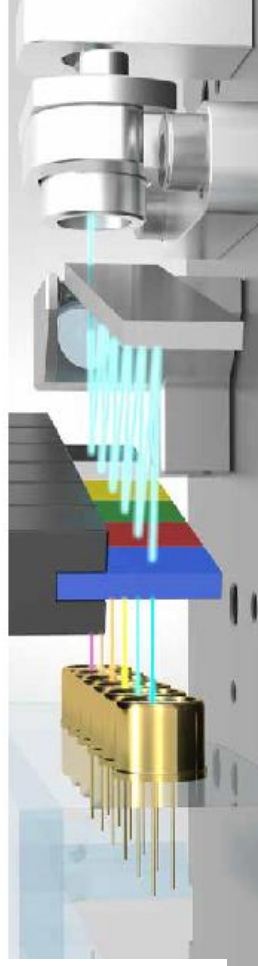


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