

SPECIAL PATHOGENS AND ASSOCIATED DISEASES SCIENTIFIC (SPADS)
CONFERENCE 2017 IN BUSHENYI, UGANDA

The Book of Proceedings for Special Pathogens and Associated Disease Scientific (SPADS) Conference 2017, in Bushenyi District of Uganda

Organized by: The Special Pathogens
Research Network Limited (Inc. No:
144926); Box 324, Bushenyi, Uganda
www.spparenet.us//admin@spparenet.us



@: Mother's Union Conference
Centre, Opposite Bushenyi
Magistrate Court Bushenyi, Uganda
27th to 29th April, 2017

**SPECIAL PATHOGENS AND ASSOCIATED DISEASES SCIENTIFIC (SPADS)
CONFERENCE 2017 IN BUSHENYI, UGANDA**

**Program of events for the Special Pathogens and
Associated Diseases Scientific (SPADS) Conference 2017
in Bushenyi, Uganda**

Day 1 = 27th April 2017

Organizing Committee for SPADS conf 2017 Bushenyi, Uganda

- | | |
|---------------------------------|-----------|
| 1. Ezera Agwu | Chair |
| 2. Moazzam ML..... | Secretary |
| 3. Isaac Gulemye..... | Member |
| 4. Rogers Mugabe | Member |
| 5. Jame Katunji..... | Member |
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| 10. Rasheed Adeyemo..... | Member |
| 12. Saheed Akinola A..... | Member |
| 13. Lawal Sodiq..... | Member |
| 14. Abass S..... | Member |
| 15. Katabazi Aziz..... | Member |
| 16. Abubakar S Adam..... | Member |
| 17. Gahongayire Solange..... | Member |
| 18. Yashim Blessing..... | Member |
| 19. Queen Ezera..... | Member |
| 20. Sunday AM..... | Member |

Key Note Address:

**Special pathogens and associated disease epidemics: what's
up? {8.30 am to 8.50am + 6 minutes Q}**

AGWU Ezera Ph.D., F.SAFRI

Associate Professor in Medical Microbiology and Immunology
Presiding Chair SPADS Conference 2017, in Bushenyi Uganda

IMPACTS OF NON-COMMUNICABLE DISEASE IN GLOBAL DISEASE EPIDEMICS

1. Burden of HPV Related Cancers in Nigeria.....1
Auwal Idris Kabuga **[9am to 9.10am + 6minutes Q]**
2. Coagulation Parameters (Prothrombin Time and Activated Partial
Thromboplastin Time) of Type-2 Diabetics with no vascular
complication, in Osogbo, Nigeria.....3
Olabiya KO, et al. **[9.18am to 9.28am + 6minutes Q]**
3. Epidemiological and molecular considerations of the role of food
antioxidants in the etiopathogenesis of cancer and degenerative diseases:
An update.....5
Charles O. Olaiya **[9.35am to 9.45am + 6 minutes Q]**
4. Neutrophil gelatinase-associated lipocalin (NGAL) as indicator of
renal injury in Indian beta Thalassemia disease children.....7
Alok Hemal;**[9.51am to 10.01am + 6minutes Q]**
5. Assessment of Perceived Causes, Associated Factors and Prevalence
of Mental Distress among Visitors to Holy Water in Mekelle Town,
Tigray, North Ethiopia.....9
Kenfe Tesfay Berhe,.....**[10.07am to 10.17 + 6 minutes Q]**

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6. The Prevalence of Non-Communicable Diseases among Patients
Attending Monthly Medical Outpatient Clinic in a Rural Health Facility
in Kenya.....11

Ruth Wandia Maina;.....**[10.24am to 10.34am + 6**

Minutes Q]

7. Prevalence and associated factors of depression among people
diagnosed with type ii diabetes mellitus attending at Ayder referral and
Mekelle hospitals, Mekelle city, Tigray region, in 2015/2016, Ethiopia.
Kalayou Kidanu**[10.41am to 10.51 + 6 minutes Q]**....13

8. Increasing Burden of Diabetes Mellitus in Developing Societies and
its Related Factors.....16

Worku Animaw Temesgen**[10.57am to 11.07am + 6minutes Q]**

Summary and conclusion **{11.15am to 11.30am}**

Tea Break **{11.30am to 12.00am}**

**INNOVATIONS IN POINT OF CARE DIAGNOSTICS AND
DISEASE EPIDEMICS**

9. Increasing access to Sickle Cell Diagnostic Services in Uganda Using
mDex a smart-phone based diagnostic tool in Mulago Hospital Kampala
Uganda.....18

Rachel Aitaru **{12.05am to 12.15am}**

Invited Speakers and their topics

**The need to educate the communities with new research
findings**

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Professor Emmanuel Karoro Ph.D Kampala International University, Western Campus Uganda..... **{12.16am to 12.26am + 3minutes Q}**

The pros and cons of strengthening the Health Research Capacities in African Higher institutions:

Professor Patrick E Kyamanywa, DVC KIU Western Campus, Ishaka Bushenyi, **[12.30am to 12.40am + 6minutes Q]**

Drosophila melanogaster as a model for Special Pathogens Research

Vicentecrespo Marta Ph.D. St Augustine University, Kampala, Uganda... {12.47am to 12.57am + 3minutes Q}

Lunch Time **{1pm to 2pm}** Go the lunch room with your card.

MOLECULAR EPIDEMIOLOGY OF NEGLECTED/POLY-MICROBIAL DISEASES

10: Genetic diversity of *M. tuberculosis* isolates and their distribution around the districts of Limpopo Province, South Africa.....20
Maguga-Phasha NTC, et al..... **{2.00pm to 2.10pm + 6minutes Q}**

11. Mapping and preventive chemotherapy of neglected tropical diseases in Capricorn, Sekhukhune, and Waterberg districts of Limpopo Province, South Africa.....22
Seloma NM, et al **{2.17pm to 2.27pm +6 minutes Q}**

MANAGEMENT OF DISEASE EPIDEMIC IN RESOURCE LIMITED SETTING

12. Primary health care implementation: outstanding gaps in Bushenyi District southwestern Uganda.....24
Kajoba Dickson, et al..... **{2.34pm to 2.44pm +6 Minutes Q}**

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13. Prevalence and antibiogram of bacterial isolates from patients with delayed hospital admission at Muhammad Abdullahi Wase Specialist Hospital Kano state Nigeria.....25
Alkali B et al..... **{2.50 to 3pm + 6 minutes Q}**

14: Perceptions and Preferences of Female Youths towards Post Abortion Family Planning Counselling in Kampala, Uganda.....27
Bagonza J **{3.07pm to 3.17pm +6 minutes Q}**

HOSPITAL AND COMMUNITY ACQUIRED INFECTIONS

15. Seroprevalence of Herpes Simplex Virus Type 2 amongst Female Sex Workers in Federal Capital Territory, Nigeria.....30
Chukwu OOC., **3.24pm to 3.34pm + 6 minutes Q}**

16. Prevalence of Intestinal Parasites **among** Students of Nassarawa State Polytechnic, Lafia, Nigeria.....33
Reuben, C.R. and Abdullahi, M.K. ... **{3.41 to 3.51pm + 6minutes Q}**

17, Nosocomial Acinetobacter infection in Medical and Surgical ward of Aminu Kano Teaching Hospital, Kano State Nigeria.....34
¹Alkali B, et al **{3.58pm to 4.06pm + 6 minutes Q}**

UPDATES IN ROLLING BACK TROPICAL DISEASE EPIDEMIC

18. Assessment of factors affecting hygiene practices among students in selected secondary schools in Bushenyi District, Western Uganda.....36
Moazzam ML **{4.13pm to 4.23pm + 6 minutes Q}**

**ANTIMICROBIAL STEWARDSHIP /RESISTANCE/
PRODUCTION/QUALITY CONTROL**

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19. Antibacterial and Antibiotic-Potential Activities of Ethanolic-Extract of *Vernonia amygdalina* against Clinical Isolates of Methicillin-resistant *Staphylococcus aureus* obtained from Wound in Usen, Edo State, Nigeria.....38

Ekugum, E.¹ and John, D. **{4.30pm to 4.40pm + 6 minutes Q}**

20. Review of Antimicrobial Medicinal plants with the potential of improving Health condition in developing countries.....40

Agwu E **{4.47pm to 4.57pm + 6 minutes Q}**

Vote of Thanks and Closing for Day 1. **{5.07pm to 5.10pm}...** Agwu E

Day 2 of SPADS conference

Situational Analysis of professionalism and tropical disease epidemics associated with special pathogens.

Professor Jonathan Ateebiranyamuhangaowanshaho MBBS, Ph.D
Department of Medical Physiology, Kampala International University,
Western Campus Uganda. **{8.30am to 8.50am + 6 minutes Q}**

INFECTIOUS DISEASES PREVENTION, CONTROL MEASURES AND CURE

21. Occupational Injury and Its Risk Factors among Small Scale Industry Workers in Towns of Bale Zone, Southeast Ethiopia.....43

Nagasa Dida **{9.am to 9.10am + 5 minutes Q}**

VACCINES/ VACCINATION / INFECTIOUS DISEASES

22. Assessment of Locally raised antisera of *Corynebacterium* species as a candidate Vaccine agent and alternative to imported diagnostic antisera in Ishaka Bushenyi, Uganda.....45

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Sr Jovitha Clemence **{9.16am to 9.25am + 5 minutes Q}**

GENITAL/URINARY TRACT INFECTIONS

23. Sexually Related Problems among Secondary School Adolescents in
Ishaka Municipality Bushenyi district.....47
WASSWA Brian **{9.30am to 9.40am + 5 minutes Q}**

BLOOD STREAM INFECTIONS/SEPSIS

24. Factors contributing to puerperal sepsis and its complications in
Masaka regional referral hospital, in Central Uganda.....49
¹Bunu UO, et al **{9.45am to 9.55am + 5 minutes Q}**

25. Prevalence of Puerperal sepsis among women admitted on the
gynecology ward at a Tertiary Teaching Hospital, in South Western
Uganda.....51
¹⁻² Zirabamuzaale JDM et al **{10.00am to 10.10am + 5 minutes Q}**

TUBERCULOSIS/HIV/HEPATITIS/MALARIA DISEASE

26. Prevalence of Syphilis and Hepatitis B, co-infection among HIV
infected and AIDS Uganda military personnel.....53
¹Muganzi Y, ... **{10.15am to 10.25am + 5 minutes Q}**

27: Magnitude and Predictors of chronic Disease Comorbidities among
People Living with HIV /AIDS following ART Clinic in Jimma
University Specialized Hospital, Southwest Ethiopia: A facility- based
cross-sectional study.....55
Tamiru Tesfaye ... **{10.30am to 10.40am + 5 minutes Q}**

28. Wild-type minimal inhibitory concentration distributions of second-
line drugs used against *Mycobacterium tuberculosis* complex clinical
isolates in Limpopo Province, South Africa.....57
Seloma NM, et al **{10.45am to 10.55am + 5 minutes Q}**

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Tea Break/Socials **{11.00am to 11.30am}**

29. TB treatment shortening: What is the latest?59

Grace Muzanyi et al **{11.30am to 11.40am + 5 minutes Q}**

30. Perception of risk of HIV infection and prevalence among the elderly in Uganda.....60

Natal Ayiga **{11.45am to 11.55am + 5 minutes Q}**

31. Hepatitis B and Hepatitis C virus infection among Clinical Medical students in Jos, North Central Nigeria.....62

¹Peter YJ, et al **{12.00pm to 12.10am + 5 minutes Q}**

32. Pattern of stigmatization and discrimination among HIV positive patients attending TASO clinics in Mbarara Uganda.....64

¹Mutambi J Amanyire **{12.15am to 11.25am + 5 minutes Q}**

33. The Mechanism of HIV-1 Latency and therapeutic implication in Abuja Nigeria.....66

Adekunle Sanyaolu et al **{12.30am to 12.40am + 5 minutes Q}**

34. Analysis of malaria prevalence and its associated co-morbidities among children attending clinics in Bushenyi District of Uganda.....68

¹⁻²Agwu E **{12.45am to 12.55am + 5 minutes Q}**

LUNCH /Socials 1pm to 2pm

ANIMAL INFECTIOUS DISEASES/ ZONOSIS

35. Perception of Rabies Risk among Handlers and Consumers of Dog Meat in North Central Nigeria.....70

Tekki IS et al **{2.pm to 2.10am + 5 minutes Q}**

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36. The Risks of husbandry practices and environmental factors for bovine tuberculosis (bTB) in Ethiopian cattle at the wildlife-livestock interface72

Sintayehu W. Dejene et al **{2.15am to 2.25am + 5 minutes Q}**

**ADVANCES IN DIAGNOSIS/TREATMENT OF INFECTIOUS
DISEASES**

37. Evaluation of the rate of crp as diagnostic marker of extension of the cancers in the patients followed to the General Hospital of Yaoundé, Cameroun.....74

Kagoué Simeni Luc-Aimé, **{2.30am to 2.40am + 5 minutes Q}**

38. Detection of *Plasmodium* species by high resolution melt analysis of DNA from blood smears acquired in South-western Uganda.....76

Kennedy Kassaza^{1,2}, **{2.45am to 2.55am + 5 minutes Q}**

39. Evaluation of antimicrobial activities of *Allium cepa* (onion) aqueous extracts on Diphtheroids and *Candida* species.....78

¹⁻²Agwu Ezera and ³Charles Pascal **{3.pm to 3.10pm + 5 minutes Q}**

PEDIATRIC/CHILDHOOD INFECTIOUS DISEASES

40. Nodding Syndrome: A Brain Disorder Akin to Subacute Sclerosing Panencephalitis?80

Spencer PS and Valdes R **{3.15pm to 3.25pm + 5 minutes Q}**

41. Urinary Schistosomiasis and Bacteriuria in Primary School Children in Limpopo Province.....82

Maguga-Phasha NTC **{3.30pm to 3.40pm + 5 minutes Q}**

42. Prevalence, Clinical and Laboratory Profiles of Loa Loa Microfilaraemia among Children and Adolescents in Bakassi Local Government Area of Cross River State, Nigeria.....83

Emmanuel E Ekanem **{3.45pm to 3.55pm + 5 minutes Q}**

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43. Wuchereria bancrofti infection in children living in a rubber plantation estate in South-South Nigeria.....85
Emmanuel E. Ekanem **{4.00pm to 4.10pm + 5 minutes Q}**

MISCELLANEOUS DISEASE CONDITIONS

44. The effect of low body weight on maternal morbidity and mortality in Hanno medical center in Hodan district, Mogadishu Somalia.....88
¹Mohamed MH **{4.15pm to 4.25pm + 5 minutes Q}**

45. Writing a publishable scientific research paper by university students, lecturers and other stakeholders in Uganda.....90
Baltazar N. **{4.30pm to 4.40pm + 5 minutes Q}**

Award of certificates and vote of thanks {4.45pm to 4.50pm}
Closing and light out

Day 3

Closing and Departure and final light out

Welcome Message:

The organizing committee of the Special Pathogens and Associated Diseases Scientific (SPADS) Conferences 2017 is pleased to welcome you to the Mother's Union Conference Center Opposite Bushenyi, Magistrate Court, Bushenyi District in Uganda. This Scientific conference is organized by the Special Pathogens Research Network Limited, a private not for profit research network, first registered in Uganda (Inc. No: 144926), limited by guarantee and not having a share capital. See details @ www.spparenet.us

It is interesting to note that SPADS conference has in attendance research expert's in four continents (USA, India, China and Africa) and from 13

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countries such as: Uganda, Rwanda, Nigeria, Kenya, China, Tanzania, South Africa, Ethiopia, Somalia, Cameroon, Zimbabwe, India and USA. Consequently 45 abstracts from 9 countries were approved by the Scientific and Technical Advisory Committee (STAC) for presentation at the SPADS conference 2017 in Bushenyi, Uganda. Rwanda, Tanzania, Zimbabwe, and Chinese researchers who showed interest in the SPADS conference could not send abstracts at this time for circumstances beyond their control.

The principal aim of this SPADS meeting in 2017 is to assemble research best brains to discuss how to solve common African problem because if not properly handled it quickly adds to the existing global disease challenges. We live in an interconnected world, which has since the advent of modern technologies, made the world a global village. To impact on morbidity and mortality, a paradigm shift in attitude is needed to establish a world where everybody's problem is somebody's problem and somebody's problem is everybody's problem.

The short term objective of the annual SPADS conference is to establish a Rapid Responds Squared (RRS) of researchers in different African countries and sister continents who are ready to take the fight to the very door steps of tropical disease associated with Special pathogens so as to avert high casualties during epidemic by Cholera, HIV/AIDS, Ebola, Influenza Virus.

For this SPADS meeting to happen annually, Special Pathogens Research Network Limited needs all the support it can get from anyone, through anyone and by anyone. It also needs to enlarge its membership. We are counting on all participants to take the message of need for support to all corners of the world.

Welcome Once again and God bless!

AGWU Ezera, Ph.D, F. SAFRI

Associate Professor in Medical Microbiology and Immunology
Chair, SPADS conference 2017 in Bushenyi. Uganda

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