

## SAIS NEWSLETTER MAY 17<sup>th</sup>, 2019

Dear SAIS members,

Below, please find this week's newsletter.

### FUNDING CALLS, CONFERENCES, WEBINARS and ANNOUNCEMENTS

**VIIth Conference of the South African Immunology Society - EARLY BIRD REGISTRATION EXTENDED - 30 MAY 2019.** Please find more details below:



VIIth Conference of the South African Immunology Society  
aha Gateway hotel, Umhlanga, Kwa Zulu Natal, South Africa  
**EARLY BIRD REGISTRATION EXTENDED 30 MAY 2019**



**Synergy in Immunology**  
18 – 20 June 2019

The 2019 conference will include sessions on Tuberculosis, HIV, Oncology, Vaccinology, Tolerance, as well as Allergy and Clinical Immunology sessions and an education session with a focus on diagnostics

**Join the Pre Conference Workshop on Monday, 17<sup>th</sup> June 2019**  
**Immunology 101**, is a comprehensive course, taught by National experts. The aim is to provide an overview of the basics of immunology

**For more information & to register [CLICK HERE](#)**

#### **Become a Member and benefit from reduced registration fees**

The South African Immunology Society is affiliated with the International Union of Immunological Societies and the Federation of African Immunological Societies

<https://www.saimmunology.org.za/>

**IUIS 2019 Beijing, the 17th International Congress of Immunology - abstract submission deadline extended to 20th May**

Outstanding abstracts have the chance to be awarded with the following travel grants: AAI Travel Award, ASI Special Travel Award, CSI-African Travel Award, EFIS-EJI Travel Grant. Please find more details here: <https://iuis2019.org/>.

**Genome-wide CRISPR Screens in Primary Human T Cells Reveal Key Regulators of Immune Function - Webinar - May 21 - 07:00 AM PDT**

Learning Objectives: Identify the components of a new pooled CRISPR screening technique (SLICE) using molecular biology; Understand how to explore unmapped genetic circuits in primary human cells using SLICE; Learn how to design engineered cell therapies using SLICE. To register, please follow <https://lnkd.in/d2B24Wb>.

**The Innovations in Immunology 2019 campaign - Health Awareness**

To learn more about the Health Awareness campaign, as well as ongoing research and breakthroughs in the field from key thought leaders, please visit <https://lnkd.in/dYYfCfq>.



### **The 15th Annual African Vaccinology Course - 4-8 November - Cape Town, South Africa**

Applications are now open - <https://lnkd.in/dPdTWAD>. The Annual African Vaccinology Course (AAVC) is convened by Dr Kagina, Associate Prof Muloiwa & Prof Hussy, of the University of Cape Town (UCT).

### **Virtual Keystone Symposia event - "Drug Discovery in Africa" - June 5 - 15:30 SAST/9:30 AM ET**

This ePanel discussion will address the fact that drug discovery research in Africa is not what it is in more developed areas of the world. The panellists will talk about why it is important to set up drug discovery operations in Africa despite all the impediments, the differences between pharmaceutical and academic drug discovery, the paradigm shift for big pharma, academia and PDPs towards collaborative drug discovery - and much more. To register: <https://lnkd.in/d8nBTCE>.

### **5th International Neonatal and Maternal Immunization Symposium - Securing Protection for the Next Generation - September 15-17 - Vancouver, Canada**

Abstract submission deadline - 9th July. Please find more information below:

Join us September 15-17, 2019  
for the 5th International  
Neonatal & Maternal  
Immunization Symposium

Late Breaker Abstracts now being accepted  
Deadline for submission: July 9, 2019  
Travel bursaries to attend are available to presenting authors  
who reside and are conducting research in low and middle  
income countries (LMICs)  
For more information, visit [www.inmis.org](http://www.inmis.org)

You're invited to join experts and global leaders at the  
Symposium to hear the latest progress, exchange ideas,  
and discuss opportunities and challenges of neonatal and  
maternal immunization in a global context.

We look forward to you joining us in Vancouver!

[www.inmis.org](http://www.inmis.org)  
Visit the website for  
registration, updates on the scientific  
program, abstract submission, and  
applications for travel bursaries.

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### **PUBLICATIONS and INTERESTING READS:**

**How the dengue virus replicates in infected cells: [A novel interaction between dengue virus nonstructural protein 1 and the NS4A-2K-4B precursor is required for viral RNA replication but not for formation of the membranous replication organelle \(open access\)](#)**

<https://lnkd.in/dabrGhj>.

**Measles and the canonical path to elimination**

<https://lnkd.in/dDCRKvx>.

**New HIV vaccine strategy "pumps" the immune system**

<https://lnkd.in/d4bBE2p>.

**How Nipah Virus Spreads from Person to Person: Lessons from 14 Years of Investigations**

Largest-ever study of Nipah virus transmission concludes that older male patients and patients with respiratory problems are more likely to transmit infection to other people. <https://lnkd.in/dVJHkJH>.

**Painting a fuller picture of how antibiotics act**

Machine learning reveals metabolic pathways disrupted by the drugs, offering new targets to combat resistance. <https://lnkd.in/dac4Ben>.

**Schistosome Interactions within the Schistosoma haematobium Group, Malawi (ahead of print)**

<https://lnkd.in/d3yyZrh>.

**Got Resistance? When it comes to TB, the computer has the answer**

<https://lnkd.in/dS6zz3m>.

**Human natural killer cells mediate adaptive immunity to viral antigens (open access)**

<https://lnkd.in/dxwKx54>. <https://lnkd.in/dbNVck2>.

**How Rwanda could be the first country to wipe out cervical cancer**

<https://lnkd.in/dHP6uYr>.

**RNA ligands activate the Machupo virus polymerase and guide promoter usage (open access)**

<https://lnkd.in/d34J3ig>. A key mechanism that allows some of the deadliest human RNA viruses to replicate, uncovered.

**Low ambient humidity impairs barrier function and innate resistance against influenza infection (open access)**

<https://lnkd.in/dujxJ4N>.

**Rapid bacterial analysis and testing for antibiotic sensitivity demonstrated**

<https://lnkd.in/djZ9DZn>.

**Mapping HIV prevalence in sub-Saharan Africa between 2000 and 2017 (open access)**

<https://lnkd.in/dSFUzTg>.

**Pregnant women & vaccines against emerging epidemic threats: Ethics guidance for preparedness, research, and response (review)**

<https://lnkd.in/d68ervA>.

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Thank you to our **sponsors for the VIIth Conference of the South African Immunology Society in June 2019:**



(Platinum Sponsor);



SEPARATIONS  
Simply Spectacular

(Silver Sponsor);



Thank you to the **prize sponsor of the November 2018 Lucky Draw for Paid Up members:**



Please don't forget to send me any info you may have on funding opportunities, meetings, workshops and/or conferences, so I can post it on the SAIS LinkedIn page. Additionally, if you are recruiting/hiring, I am more than happy to advertise it on LinkedIn and in the newsletter. Thank you.

Kind regards

Dana Savulescu (PhD), Pr.Sci.Nat.

Mobile: +27 74 6800082

Email: danams79@gmail.com