

SAIS NEWSLETTER JULY 12th, 2019

Dear SAIS members,

Below, please find this week's newsletter.

FUNDING CALLS, CONFERENCES, WEBINARS and ANNOUNCEMENTS

Invitation: Luminex flow cytometry roadshow - 24 July 2019, 12:00-13:00 - WITS Medical School - Department of Surgery, 9th Floor, Faculty of Health Sciences, Johannesburg

BIOCOM Africa and Luminex corporation launch their collaboration in South Africa with a road show from 23 July to 5 August 2019. During the road show, all the flow cytometry products from Luminex in South Africa will be discussed, focussing on the unique imaging flow cytometer, Amnis. Please RSVP by 12 July 2019 to stefanie@biocomafrica.com. For more information, please visit <https://www.luminexcorp.com/imaging-flow-cytometry/>.

2019 Symposium - Inventions and Innovations - 4-5 November - Tel Aviv, Israel - Save the date!



2019 SYMPOSIUM:
INVENTIONS AND INNOVATIONS
Rewriting the future of healthcare

SAVE *the* DATE!

NOVEMBER 4-5, 2019
Hilton Hotel • Tel Aviv, Israel

inl.comtecmed.com | inisymposium@comtecint.com

The banner features a red background with a white logo on the left and a collage of scientific images on the right. The text is in white and red.

12th World Congress on Autoimmunity (Autoimmunity 2020) - May 20-24 - Athens, Greece

This is a unique multidisciplinary forum for colleagues from around the world to meet and discuss a variety of topics, generating stimulating debates and fruitful collaborations. Join leading experts and other allied healthcare professionals for this outstanding opportunity to take part in educational sessions and networking opportunities. For more information, please visit <https://autoimmunity.kenes.com/>.

Validating antibodies for research applications in IHC - Webinar - July 30 10:00 AM PDT

Learning Objectives: How to select and validate antibodies for research applications in IHC Understand the reagents and tools available today to support the validation of antibodies for research applications in IHC. To register, please visit <https://www.labroots.com/ms/webinar/validating-antibodies-research-applications-ihc>.

Overview of the new ERA Guidelines: Changes and Revisions - Webinar - 30 July 06:00 AM PDT

The current version of the EMA Guideline for the environmental risk assessment of human drugs was published in 2006. This guidance has now been revised (a draft version was published on 15 November 2018 and is open for consultation until June 30, 2019). Please visit <https://www.labroots.com/webinar/overview-era-guidelines-changes-revisions> to register.

Emerging Public Health Practitioner Awards (EPHPA) Call - Closing date for applications - 31 July

Please visit <https://www.hst.org.za/media/Pages/EPHPA2019.aspx> for more information and to apply.

Helminths: New Insights from Immunity to Global Health - July 30 - 01:00PM central time - live virtual event

To register, please follow <https://virtual.keystonesymposia.org/ks/live/241/page/1315>.

NRF Knowledge, Interchange and Collaboration (KIC) - Scientific Events/ Travel Grants - 2nd Call

Internal Closing Date: 16 August 2019; NRF closing date: 30 August 2019. Please follow https://www.nrf.ac.za/sites/default/files/KIC%20Review%20Period%202%202019_0.pdf for details.

PUBLICATIONS and INTERESTING READS:

How France is persuading its citizens to get vaccinated - nice read

<https://mosaicscience.com/story/how-france-persuading-its-citizens-get-vaccinated-measles-antivax-vaccines-vaccination/>.

Immune cells invade ageing brains, disrupt new nerve cell formation

Stanford researchers have found intrusive immune cells in a place in the brains of humans and older mice where new nerve cells are born. The intruders appear to impair nerve cell generation. <http://med.stanford.edu/news/all-news/2019/07/immune-cells-invade-aging-brains-disrupt-nerve-cell-formation.html>. <https://www.nature.com/articles/s41586-019-1362-5>.

Preoperative stimulation of resolution and inflammation blockade eradicates micrometastases (open access)

<https://www.jci.org/articles/view/127282>.

HIV infection and incidence of cardiovascular diseases: an analysis of a large healthcare database (open access)

<https://www.ahajournals.org/doi/10.1161/JAHA.119.012241>.

Scientists discover autoimmune disease associated with testicular cancer

Technology that Uncovered Antibody Has Potential to Identify Other Autoimmune Diseases. <https://www.ucsf.edu/news/2019/07/414876/scientists-discover-autoimmune-disease-associated-testicular-cancer>.

B cells off the rails early in lupus

https://news.emory.edu/stories/2019/07/bcells_off_rails_lupus_natimm/index.html.

Microbiota-driven tonic interferon signals in lung stromal cells protect from influenza virus infection (open access)

[https://www.cell.com/cell-reports/fulltext/S2211-1247\(19\)30744-2](https://www.cell.com/cell-reports/fulltext/S2211-1247(19)30744-2).

Ceftazidime-Avibactam in combination with Fosfomycin: A novel therapeutic strategy against multidrug-resistant pseudomonas aeruginosa (open access)

<https://academic.oup.com/jid/advance-article/doi/10.1093/infdis/jiz149/5491105>.

Bacteria engineered as Trojan horse for cancer immunotherapy

Programmable bacteria clear tumors in mouse models, and also treat distant tumors that were not injected; this novel method could be used to locally prime tumors and stimulate the immune system to seek out difficult-to-treat tumors. <https://engineering.columbia.edu/press-releases/trojan-horse-cancer-immunotherapy>.

Scientists invent fast method for ‘Directed Evolution’ of molecules

The technique, dubbed VEGAS and created in the lab of Bryan L. Roth, works in mammalian cells and can yield useful new molecules within days, providing scientists with a powerful new research tool and a potential route to better therapeutics for various diseases. <http://news.unhealthcare.org/news/2019/july/scientists-invent-fast-method-for-2018directed-evolution2019-of-molecules>.

How the DRC’s Ebola crisis has led to children dying from measles

<https://theconversation.com/how-the-drcs-ebola-crisis-has-led-to-children-dying-from-measles-119946>.

JOBS and POSITIONS

		
<p>Research coordinator Based at Centre for Vaccines and Immunology, NICD 1 Modderfontein Road, Sandringham Grant funded position through Wits Health Consortium – 1-year contract, renewable. Remuneration: approx. R550K per annum</p>		
<p><u>Background</u> The Centre for Vaccines and Immunology comprises the National and World Health Organisation Regional Reference Laboratories for acute flaccid paralysis as well as measles and rubella surveillance. Additionally, the centre conducts projects on viral hepatitis, Tuberculosis and other vaccine preventable diseases. Our research focus is immune tolerance and its application to infectious diseases such as Tuberculosis and HIV. A key project is the role of indoleamine 2,3 dioxygenase as a TB biomarker. The centre has a cell culture wing, viral culture laboratories, immunology laboratories (LSR Fortessa 18 colour flow cytometer (BD) and 2 Luminex flow cytometers), molecular laboratories with Sanger sequencing, and capacity at the institute for next generation sequencing.</p>		
<p><u>Key roles and responsibilities</u> The successful candidate will lead grant-funded projects in the unit, optimize laboratory methods, manage grant-funded staff, students and equipment and coordinate sample logistics. Additionally, the candidate will supervise MSc students and contribute to grant and paper writing and academic activities such as journal clubs and seminars. In particular, the successful candidate will coordinate the MRC-SHIP funded 3-year study of IDO as TB biomarker.</p>		
<p><u>Qualifications and experience</u> PhD in immunology or related discipline, evidence of research output. Teaching and training record advantageous. Grants management advantageous. Preferred skills: real-time PCR, biochemistry, flow cytometry, cell culture. Please email CV and cover letter to Dr Melinda Suchard by Monday 22 July, melindas@nicd.ac.za</p>		

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.

Kind regards
Dana Savulescu (PhD), Pr.Sci.Nat.
Mobile: +27 74 6800082
Email: danams79@gmail.com