

SAIS NEWSLETTER - SEPTEMBER 13th, 2019

Dear SAIS members,

Below, please find this week's newsletter.

FUNDING CALLS, CONFERENCES, WEBINARS and ANNOUNCEMENTS

The 8th annual Clinic on Dynamical Approaches to Infectious Disease Data course - 15-21 December 2019 - Stellenbosch, South Africa - Request for Applications

Please find more information here: <http://www.ici3d.org/daidd/>. Please note that the deadline for receipt of applications is **25 September** 2019.

7th Immunotherapy of Cancer Conference ITOC7 - April 2-4, 2020 - Munich, Germany

Abstract submission deadline: Sunday, 1 December 2019, 24.00 CET. <https://www.itoc-conference.eu/>.

Immuno-Ethiopia 2020 course - Neglected Tropical Diseases and Malaria Challenges in Sub-Saharan Africa - 23-29 February 2020 - Bahir Dar, Ethiopia.

The course will focus on the immunology of leishmaniasis, schistosomiasis, malaria and fungal infections in Sub-Saharan Africa. Deadline for applications: 15th October 2019. All participants will have free access to online teaching material six weeks before the course via the Immunopaedia platform. Please visit <https://www.immunopaedia.org.za/course-registrations/immuno-ethiopia-2020/> for more details.

Request for Applications for Self-initiated Research Grants (SAMRC SIR Grants) 2019

Please follow this link for more details: <http://www.samrc.ac.za/funding/self-initiated-research>. Deadline - 11 October 2019 (midnight SAST).

Calls for Nominations to attend the 70th Lindau Nobel Laureate Meetings (Interdisciplinary) - 28 June - 3 July 2020 - Lindau, Germany

Application deadline - **24 September**. Please visit <https://www.aasciences.ac.ke/calls/call-nominations-70th-lindau-nobel-laureate-meeting-interdisciplinary> for applications.

PUBLICATIONS and INTERESTING READS:

Major subpopulations of Plasmodium falciparum in sub-Saharan Africa (open access)

<https://science.sciencemag.org/content/365/6455/813>.

Antibodies to the conserved region of the M protein and a streptococcal superantigen cooperatively resolve toxic shock-like syndrome in HLA-humanized mice (open access)

<https://advances.sciencemag.org/content/5/9/eaax3013>.

Study tests immunotherapy in people with cancer and autoimmune diseases

<https://www.cancer.gov/news-events/cancer-currents-blog/2019/immunotherapy-cancer-autoimmune-diseases-clinical-trial>.

Regulatory T cells in skin are uniquely poised to suppress profibrotic immune responses (open access)

<https://immunology.sciencemag.org/content/4/39/eaaw2910.full>.

Gasdermin D activity in inflammation and host defense (open access)

<https://immunology.sciencemag.org/content/4/39/eaav1447.full>.

Expert eye: Is South Africa meeting the challenge of epidemic infectious disease outbreaks?

Prof Lucille Blumberg and Dr Kerrigan McCarthy of South Africa's National Institute for Communicable Diseases on what the country's healthcare sector is doing to reduce the devastating impacts of infectious disease. <https://www.africaoutlookmag.com/news/expert-eye-is-south-africa-meeting-the-challenge-of-epidemic-infectious-disease-outbreaks>.

Don't judge a parasite by its appearance

The malaria parasite and other apicomplexan parasites are not as closely related to each other as originally thought. <https://elifesciences.org/digests/49662/don-t-judge-a-parasite-by-its-appearance>. <https://elifesciences.org/articles/49662>.

Deep generative models for T cell receptor protein sequences

<https://elifesciences.org/articles/46935>.

Immune-cell pioneers win prestigious Lasker medical award

Jacques Miller and Max Cooper, who discovered T- and B-cells, share US\$250,000 basic-research prize. <https://www.nature.com/articles/d41586-019-02710-5>.

The structure of a T-cell mechanosensor

T-cell receptors orchestrate immune-system responses against infection and cancer. A structure of an entire T-cell receptor complex clarifies its assembly and signalling, and sheds light on its dynamic ligand recognition. <https://www.nature.com/articles/d41586-019-02646-w>.

Eliminating malaria should not be the end of vigilance

Three years after Sri Lanka was declared free of the deadly disease, complacency is a big risk, warns Kamini Mendis. <https://www.nature.com/articles/d41586-019-02598-1>.

Analysis of the TCR repertoire in HIV-exposed but uninfected infants (open access)

<https://www.nature.com/articles/s41598-019-48434-4>.

How do noroviruses multiply?

A host protein helps noroviruses infect human and mouse cells. <https://elifesciences.org/digests/46681/how-do-noroviruses-multiply>.

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

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