

SAIS NEWSLETTER - NOVEMBER 22nd, 2019

Dear SAIS members,

Below, please find this week's newsletter.

FUNDING CALLS, CONFERENCES, WEBINARS and ANNOUNCEMENTS

Free Online Course on the Role of Diagnostics in the Fight Against Antimicrobial Resistance (ASLM)

This is a 6-week Massive Online Open Course (MOOC) and requires only 2-4 hours of learning per week. Each week is divided into short steps allowing learners to stop and start when they want. The London School worked with experts from around the world to develop this course to answer the questions: what is AMR, how is it caused, and why is it important to global health? We use a wide range of online media such as video and audio lectures, articles, animations and case studies from more than 25 countries and across a variety of clinical and laboratory settings. Learners will also benefit from an interactive discussion forum where they can share their experiences with other learners worldwide and pose questions to experts. To register - <http://www.aslm.org/amr-training/>.

23rd International AIDS Conference (AIDS 2020) – 6-10 July 2020 - San Francisco and Oakland, USA - early registration closes 15 January 2020

Please visit <https://www.aids2020.org/registration/> to register. Featuring a broad range of exciting sessions developed by an international committee of HIV scientists, leaders, policy makers, researchers and advocates, the programme covers the latest and most pressing topics in HIV. The programme ranges from HIV service delivery for internally displaced people and migrants to ethics in HIV cure research and new data on HIV reservoirs in lymph nodes, the gut and brain.

Optimmunize: Improving the beneficial effects of vaccines - 19 - 21 February 2020 - Wellcome Genome Campus, UK

Ensuring immunity and improving overall health. **Early bird deadline - 26 November**; Bursary deadline - 10 December; Abstract deadline - 17 December; Registration deadline - 21 January. For more details, please visit <https://coursesandconferences.wellcomegenomecampus.org/our-events/optimmunize/>.

PUBLICATIONS and INTERESTING READS:

The infinite trio from South Africa

<https://reflectionsipc.com/2019/11/11/the-infinite-trio-from-south-africa/amp/>.

Link between inflammation and mental sluggishness shown in new study

<https://www.birmingham.ac.uk/news/latest/2019/11/link-between-inflammation-and-mental-sluggishness-shown-in-new-study.aspx>.

Ketogenic diet activates protective $\gamma\delta$ T cell responses against influenza virus infection

<https://immunology.sciencemag.org/content/4/41/eaav2026>.

T cell repertoire dynamics during pregnancy in multiple sclerosis

<https://www.sciencedirect.com/science/article/pii/S2211124719312021#!>.

Subclinical in utero Zika virus infection is associated with interferon alpha sequelae and sex-specific molecular brain pathology in asymptomatic porcine offspring

<https://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1008038>.

Exposure to HIV drug in the womb may increase risk of microcephaly, developmental delays in children

NIH-funded study finds higher risks for children of women who took efavirenz during pregnancy. <https://www.nichd.nih.gov/newsroom/news/111819-microcephaly>.

Cancer immunotherapy comes of age

<https://www.sciencemag.org/features/2017/03/cancer-immunotherapy-comes-age>.

Differential impact of self and environmental antigens on the ontogeny and maintenance of CD4+ T cell memory

<https://elifesciences.org/articles/48901>.

Depression and incident HIV in adolescent girls and young women in HPTN 068: Targets for prevention and mediating factors

<https://academic.oup.com/aje/advance-article/doi/10.1093/aje/kwz238/5609195>.

Single-cell transcriptomics reveals expansion of cytotoxic CD4 T cells in supercentenarians

<https://www.pnas.org/content/early/2019/11/11/1907883116>.

Insulin potentiates JAK/STAT signaling to broadly inhibit flavivirus replication in insect vectors

[https://www.cell.com/cell-reports/fulltext/S2211-1247\(19\)31329-4](https://www.cell.com/cell-reports/fulltext/S2211-1247(19)31329-4).

Technique identifies T cells primed for certain allergies or infections

Researchers develop a method to isolate and sequence the RNA of T cells that react to a specific target. <http://news.mit.edu/2019/t-cells-target-allergies-infections-1119>.

Screen of traditional soup broths with reported antipyretic activity towards the discovery of potential antimalarials

<https://adc.bmj.com/content/104/12/1138>.

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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