

SAIS NEWSLETTER JUNE 28th, 2019

Dear SAIS members,

I would like to start with a big thank you to all members who attended the SAIS 2019 meeting in Durban last week, as well as to the meeting organizers, who did a great job! Thank you to our sponsors/exhibitors as well, who supported us:



(Platinum Sponsor);



(Silver Sponsor);



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



Below, please find this week's newsletter. It's a little longer than usual as we didn't have a newsletter last week.

FUNDING CALLS, CONFERENCES, WEBINARS and ANNOUNCEMENTS

Keystone Symposia conference - Tuberculosis: Immunity and Immune Evasion - January 16-20, 2020 - Santa Fe, New Mexico, USA

Discounted abstract deadline: September 24, 2019; Abstract deadline: October 16, 2019; Discounted registration deadline: November 19, 2019. To register and for more information, please visit <https://www.keystonesymposia.org/index.cfm?e=web.Meeting.Program&meetingid=1689>.

Keystone Symposia conference - The Malaria Endgame: Innovation in Therapeutics, Vector Control and Public Health Tools - October 30-November 2, 2019 - Addis Ababa, Ethiopia

Discounted abstract deadline: July 9, 2019; Abstract deadline: July 30, 2019; Discounted registration deadline: August 29, 2019. To register and for more information, please visit <https://www.keystonesymposia.org/index.cfm?e=web.Meeting.Program&meetingid=1704>.

Keystone Symposia conference - Tissue Immunity - January 26-29, 2020 - Boulder, Colorado, USA

Scholarship deadline: September 26, 2019; Discounted abstract deadline: September 26, 2019; Abstract deadline: October 24, 2019; Discounted registration deadline: November 21, 2019. To register, please visit <https://www.keystonesymposia.org/index.cfm?e=web.Meeting.Program&meetingid=1725>.

28th International Workshop on HIV Drug Resistance and Treatment Strategies - 16-18 October - Johannesburg, South Africa

The abstract submission deadline is 1 August 2019. For more information, please visit <https://www.hivresistance2019.co.za/>.

The first Inventions and Innovations Symposium; Rewriting the Future of Healthcare (INI) - Tel Aviv, Israel - November 4-5, 2019

The first of its kind, Inventions and Innovations 2019 will focus on bringing science and technology together; using technological advances to address how medicine is going to look like, next year, next decade, in 2050. Please visit <http://ini.comtecmed.com/abstract-submission/> for more information. Abstract submission deadline September 4.

PUBLICATIONS and INTERESTING READS:

The three big studies pushing at the frontiers of HIV prevention

<https://theconversation.com/the-three-big-studies-pushing-at-the-frontiers-of-hiv-prevention-118734>.

ECHO study results released

The ECHO study results were announced on 13 June at the 9th SA AIDS 2019 Conference. You can watch the results announcement and download the slide deck used in the presentation. <http://echo-consortium.com/>.

Heterochronic faecal transplantation boosts gut germinal centres in aged mice (open access)

<https://www.nature.com/articles/s41467-019-10430-7>. Study shows that the age-related decline in the gut immune response is not irreversible and that it can be boosted in older individuals.

Ebola outbreaks may be more common than we think

<https://theconversation.com/ebola-outbreaks-may-be-more-common-than-we-think-114321>.

Seeking the path of least resistance - important read

Rising antibiotic resistance is not just a medical crisis - it's a scientific, economic, political, and moral problem. Can we act before it's too late? https://www.hsph.harvard.edu/magazine/magazine_article/seeking-the-path-of-least-resistance/.

Quantitative interactomics in primary T cells provides a rationale for concomitant PD-1 and BTLA coinhibitor blockade in cancer immunotherapy (open access)

[https://www.cell.com/cell-reports/fulltext/S2211-1247\(19\)30661-8?_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS2211124719306618%3Fsho-wall%3Dtrue](https://www.cell.com/cell-reports/fulltext/S2211-1247(19)30661-8?_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS2211124719306618%3Fsho-wall%3Dtrue).

Low number of vaccine injury claims demonstrate their safety

<https://www.labroots.com/trending/health-and-medicine/15003/low-vaccine-injury-claims-demonstrate-safety>.

Cannabidiol is a powerful new antibiotic (new research presented at ASM Microbe, the annual meeting of the American Society for Microbiology)

<https://www.asm.org/Press-Releases/2019/June/Cannabidiol-is-a-Powerful-New-Antibiotic>.

Large-scale HIV vaccine efficacy trials fully enrolled

<https://www.iol.co.za/capetimes/news/large-scale-hiv-vaccine-efficacy-trials-fully-enrolled-27370557>.

Identification of HIV transmitting CD11c+ human epidermal dendritic cells (open access)

<https://www.nature.com/articles/s41467-019-10697-w>.

New therapy targets gut bacteria to prevent and reverse food allergies

Study finds altered gut microbiota in infants with food allergy; oral therapy to replenish bacteria prevented food allergy and suppressed established disease in mice. <https://www.brighamandwomens.org/about-bwh/newsroom/press-releases-detail?id=3352>.

Molecular switch for reduced immune cell function discovered

<https://www.tum.de/nc/en/about-tum/news/press-releases/details/35495/>.

Killing from the inside: Intracellular role of T3SS in the fate of Pseudomonas aeruginosa within macrophages revealed by mgtC and oprF mutants (open access)

<https://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1007812>.

Circulating T cell-monocyte complexes are markers of immune perturbations (open access)

<https://elifesciences.org/articles/46045>.

Mapping the global prevalence, incidence, and mortality of Plasmodium falciparum, 2000–17: a spatial and temporal modelling study

[https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(19\)31097-9/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(19)31097-9/fulltext).

<https://map.ox.ac.uk/explorer/#/>.

Breaking the code: How is a mother's immunity transferred to her baby?

<https://www.massgeneral.org/about/pressrelease.aspx?id=2415>. [https://www.cell.com/cell/fulltext/S0092-8674\(19\)30615-4](https://www.cell.com/cell/fulltext/S0092-8674(19)30615-4).

Human Antibodies that Slow Erythrocyte Invasion Potentiate Malaria-Neutralizing Antibodies (open access)

[https://www.cell.com/cell/fulltext/S0092-8674\(19\)30553-7](https://www.cell.com/cell/fulltext/S0092-8674(19)30553-7).

JOBS and POSITIONS

Medecins Sans Frontieres (MSF) International vacancy - ToR: Diagnostics Advisor - Infectious Diseases

Deadline for applications: **30th June 2019**. The MSF Access Campaign requires an ID Diagnostics Advisor with a strong technical and access background to work on technical, access and advocacy issues pertaining to tuberculosis, HIV (including advanced HIV), hepatitis C, and other future infectious disease priorities that may arise. This ID diagnostics advisor will also work closely with the transversal and cross-referent diagnostics advisor and health policy advisor (see ToRs) as part of the larger diagnostics team and to incorporate and/or oversee overlapping projects. Please find more information in the following link:

https://vula.uct.ac.za/access/content/user/01435341/STAFF%20NOTICES%202019/TOR%20-%20ID%20Diagnostics%20Advisor%20-%20AC_ge_%2017.Apr.2019.pdf.

Invitation to apply - **Professor Bongani Netcare Clinical Scholarship** - **Deadline 30 June**

Please find details below.

Professor Bongani Mayosi Netcare Clinical Scholarship 2019

'Advancing human health through medical research'

The Physician Partnerships Trust was established through Netcare's Health Partners for Life ("HPFL") initiative.

We are inviting **medical specialists who wish to further pursue an academic career** to apply for the Professor Bongani Mayosi Netcare Clinical Scholarship for 2019.

The Scholarship will be awarded to a clinical specialist or sub-specialist for doctoral or post-doctoral research to be conducted in South Africa only.

The Scholarship will be awarded a salary for a 3 (three) year period for full-time doctoral or post-doctoral research work in a chosen field.

ELIGIBILITY AND CONDITIONS OF AWARD:

☑ South African citizenship; ☑ Registration with the Health Professions Council of South Africa as a medical specialist or sub-specialist; ☑ Preference will be given to applicants who are identified in the country's employment equity objectives; and ☑ Recipients of the Scholarship must commit to signing a contract binding them to work in South Africa for a minimum period of 3 (three) years following the end of the funding period, failing which they will be liable to pay back the full amount of the Scholarship to the Trust.

APPLICANTS MUST SUBMIT THE FOLLOWING DOCUMENTS:

☑ A 1-2-page letter of motivation which should include the amount of funds required per annum for the full-time research; ☑ A 1-2-page summary of the rationale, design and feasibility of the proposed doctoral or post-doctoral research project. (Please provide evidence that funding for the project has been secured, and that facilities and equipment are available in addition to the scholarship award); ☑ A full curriculum vitae outlining their research experience and a list of publications; ☑ Testimonials from three referees, one of whom should be the supervisor of the doctoral or post-doctoral research project; and ☑ To obtain and submit a brief curriculum vitae of the Supervisor and this should outline the supervisors' research experience and publications.

The value of the award is informed by the needs of the awardee. The award is available from 1 October 2019 or from such other earlier or later date as may be agreed between the awardee, his/her supervisor and the Board of Trustees of the Trust.

The Awards are made at the sole discretion of the Selection Committee as ratified by the Board of Trustees of the Physicians' Partnerships Trust.

The Board will not enter into correspondence with unsuccessful applicants.

Please direct enquiries and applications to Ms Rachel Persent on 011-3019612 or email Rachel.Persent@netcare.co.za and Ms Angie Van Dam on 011-3010204 or email Angie.VanDam@netcare.co.za

The closing date for applications is 30 June 2019. Incomplete or late applications will not be considered.

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.

If there are any specific topics that I don't usually include in the newsletters, yet you would like to read about (such as allergies, immunotherapy, etc'), please let me know by email, so I can include links to publications and meetings related to these topics. Thank you.

Below are some photos from the Gala Dinner at the SAIS 2019 meeting last week:



The Travel Awards winners



The guest speaker, Prof Debbie Glencross



The SAIS committee

Kind regards

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