

SAIS NEWSLETTER - DECEMBER 6th, 2019

Dear SAIS members,

Below, please find this week's newsletter, which will also be the last one for this year. Please note that from next year, I will no longer prepare the Society's weekly newsletters and manage its LinkedIn page, and Dr Heena Ranchod will take over. I am very grateful for having had this opportunity to contribute to SAIS; it was an absolute pleasure to work with the society. I would like to thank the President, Dr Melinda Suchard, Annie Klaas from Onscreen Conferences and Events, and everyone who contributed with links and LinkedIn "likes". I would also like to wish Dr Ranchod a great year and best of luck; I am certain that she will do a fantastic job. Wishing everyone a wonderful end of the year and even better start of 2020!

LETTER FROM THE PRESIDENT

Wishing all SAIS members well over the festive season. Hope you enjoy a well-deserved break. I would like to take the opportunity to thank Dana Savulescu for her dedication in establishing and running the SAIS newsletter. She did so on a purely voluntary basis but dedicated much time and energy to it. We wish her well in her further career. We welcome Heena Ranchod who will be our new newsletter editor and manage our LinkedIn Page.

I want to thank Khanyisile Kgoadi for our growing Facebook and twitter feeds – I have had personal experience recruiting candidates for positions through our social media – these platforms are indispensable in the modern world.

The next SAIS conference planning is underway. We value inputs and suggestions – please mail me directly. The conference will be in Gauteng in the first week of February – watch this space for details. We encourage members to plan something around World Immunology Day – Wednesday 29 April.

Kind regards
Melinda Suchard
President, SAIS
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FUNDING CALLS, CONFERENCES, WEBINARS and ANNOUNCEMENTS

The Molecular and Cellular Biology of Eukaryotic Infectious Organisms - Gordon Research Seminar - June 13-14, 2020 - Newport, RI, US

Applications for this meeting must be submitted by May 16, 2020. Although applications will be accepted until the date noted above, any applicants who wish to be considered for an oral presentation should submit their application by March 13, 2020. <https://www.grc.org/biology-of-host-parasite-interactions-grs-conference/2020/>.

The 24th Annual Woods Hole Immunoparasitology Meeting - 19-22 April 2020 - Cape Cod, Massachusetts, USA

This meeting attracts researchers and trainees from all over the world whose primary research interest is in immunobiology of parasitic infections and diseases. For more information - <https://www.faisafrica.com/upcomingMeetings/24th-annual-woods-hole-immunoparasitology-meeting/>.

Immuno-oncology: Myeloid cell isolation and characterization tools - Webinar - (Session 1) 12 December - GMT+01:00 – 7:00 PM / (Session 2) 12 December - GMT+01:00 – 10:00 AM

During this webinar, the following topics will be covered:

Isolation of myeloid cells from the tumor microenvironment; Solutions for immuno-monitoring; Strategies to generate monocyte-derived DCs. To register: <https://www.miltenyibiotec.com/DE-en/resources/mac-academy/live-webinars/immuno-oncology-myeloid-cell-isolation-and-characterization-tools.html>.

FOCIS 2020 - 23-26 June 2020 - SF, CA, USA - Call for abstract submission

Abstract submission is open for oral and poster presentation. The submission deadline is January 22, 2020. Please visit <http://www.focisnet.org/meetings/focis-2020/abstracts/> for more details and abstract submission.

Cell Symposia: Myeloid Cells: From Development to Function and Dysfunction - June 3-5, 2020 - Shanghai, China

Abstract submission deadline: February 21, 2020. Please visit <http://www.cell-symposia.com/myeloidcells-2020/> for more information.

PUBLICATIONS and INTERESTING READS:

The immune system's hand in toxic shock

<https://www.labroots.com/trending/immunology/16242/immune-system-s-hand-toxic-shock>. <https://www.pnas.org/content/early/2019/11/25/1910883116>.

Polio vaccination causes more infections than wild virus

In rare instances, the live virus in oral polio vaccines can mutate and become infectious, causing new outbreaks. <https://www.the-scientist.com/news-opinion/polio-vaccination-causes-more-infections-than-wild-virus-66778>.

Type I interferon signaling disrupts the hepatic urea cycle and alters systemic metabolism to suppress T cell function

[https://www.cell.com/immunity/fulltext/S1074-7613\(19\)30458-3](https://www.cell.com/immunity/fulltext/S1074-7613(19)30458-3).

Lipid order and charge protect killer T cells from accidental death

<https://www.nature.com/articles/s41467-019-13385-x>.

Characterization of antigenic MHC-class-I-restricted T cell epitopes in the glycoprotein of ebolavirus

[https://www.cell.com/cell-reports/fulltext/S2211-1247\(19\)31438-X#.Xd9zodVq8bg.linkedin](https://www.cell.com/cell-reports/fulltext/S2211-1247(19)31438-X#.Xd9zodVq8bg.linkedin)

Latency-reversing agents induce differential responses in distinct memory CD4 T cell subsets in individuals on antiretroviral therapy

[https://www.cell.com/cell-reports/fulltext/S2211-1247\(19\)31434-2#.Xd90FYqIC_E.linkedin](https://www.cell.com/cell-reports/fulltext/S2211-1247(19)31434-2#.Xd90FYqIC_E.linkedin)

A divergent transcriptional landscape underpins the development and functional branching of MAIT cells

<https://immunology.sciencemag.org/content/4/41/eaay6039>

Vaccine-induced antibodies mediate higher antibody-dependent cellular cytotoxicity after interleukin-15 pretreatment of natural killer effector cells

<https://www.frontiersin.org/articles/10.3389/fimmu.2019.02741/full>.

Impact of historic migrations and evolutionary processes on human immunity

[https://www.cell.com/trends/immunology/fulltext/S1471-4906\(19\)30210-8](https://www.cell.com/trends/immunology/fulltext/S1471-4906(19)30210-8).

Flt3L-mediated expansion of plasmacytoid dendritic cells suppresses HIV infection in humanized mice

[https://www.cell.com/cell-reports/fulltext/S2211-1247\(19\)31416-0](https://www.cell.com/cell-reports/fulltext/S2211-1247(19)31416-0).

New images show how malaria parasites evade frontline drugs

<https://www.cuimc.columbia.edu/news/new-images-show-how-malaria-parasites-evade-frontline-drugs>.

Intestinal infection regulates behavior and learning via neuroendocrine signaling

<https://elifesciences.org/articles/50033>. "Modulation of these neuroendocrine pathways by intestinal infection serves as a systemic feedback that enables animals to avoid virulent bacteria. These results reveal how feedback from the intestine during infection can modulate the behavior, learning, and microbial perception of the host."

Autoimmunity: Bringing on the itch

<https://elifesciences.org/articles/52931>.

A randomized, controlled trial of Ebola virus disease therapeutics

<https://www.nejm.org/doi/10.1056/NEJMoa1910993>.

Plasmodium vivax malaria viewed through the lens of an eradicated European strain

<https://academic.oup.com/mbe/advance-article/doi/10.1093/molbev/msz264/5614438>.

Immunological effects of shift work in healthcare workers

<https://www.nature.com/articles/s41598-019-54816-5>.

Group A Streptococcal S protein utilizes red blood cells as immune camouflage and is a critical determinant for immune evasion

[https://www.cell.com/cell-reports/fulltext/S2211-1247\(19\)31472-X](https://www.cell.com/cell-reports/fulltext/S2211-1247(19)31472-X).

An Integrin/MFG-E8 shuttle loads HIV-1 viral like particles onto follicular dendritic cells in mouse lymph node

<https://elifesciences.org/articles/47776>.

Molecular determinants of chaperone interactions on MHC-I for folding and antigen repertoire selection

<https://www.pnas.org/content/early/2019/12/02/1915562116>.

JOBS and POSITIONS

Harvard Medical School (HMS) Master of Medical Sciences in Immunology (MMSc IMM) Program - the application for Fall 2020 is now open!

The application deadline for international students is April 15, 2020. Please find more details at <http://mmscimmunology.hms.harvard.edu/>.

Postdoctoral fellowship in the epidemiology of HIV-associated Tuberculosis - the Fogarty HIV-associated Tuberculosis Training Program (HATTP)

Deadline for applications: **15 December 2019**. For more details and application, please visit <http://www.idm.uct.ac.za/sites/default/files/webform/Ad-HATTP-Epi-PostDoc.pdf> and/or <http://www.hattp.uct.ac.za/calls>.



New fellowship programme - AFRIKA KOMMT! 2020-2022 - An initiative of German industry for future leaders from Africa

At the heart of the one-year programme is an eight-month internship in one of the participating companies in Germany, giving the African young professionals the great opportunity to gain first hands experience in management practice in a leading German company. Suitable candidates are invited to apply to the ninth intake of AFRIKA KOMMT! running from 2020– 2022. Applications can be submitted until **10 January 2020** only through the website www.afrika-kommt.de. Please find more details here: https://afrika-kommt.de/wp/wp-content/downloads/home/Announcement_AK9.pdf.

International Program in Public Health Leadership (IPPHL) 2020 Application

The Evans School of Public Policy and Governance at the University of Washington in collaboration with the Center for Creative Leadership provide internationally recognized expertise in a variety of critical fields including: theory of organizational management and change, policy formation and negotiation, communication, and leadership. This is a non-degree, non-credit program. Please visit <https://evans.uw.edu/programs/professional-development/international-program-public-health-leadership> for more information and application.

Kind regards

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