

SAIS NEWSLETTER - FEBRUARY 7th, 2020

Dear SAIS members

As mentioned previously I have taken over the SAIS LinkedIn page this year. Please feel to connect with me on LinkedIn for easy access to my posts: <https://www.linkedin.com/in/heena-ranchod-44b96379/>

Please find this week's newsletter below. The next newsletter will be sent out on Friday, 21 February 2020.

FUNDING CALLS, CONFERENCES, WEBINARS and ANNOUNCEMENTS

19th Biennial Meeting of The European Society of immunodeficiencies (ESID 2020), 14-17 October 2020, Birmingham, United Kingdom

The ESID meeting will further the knowledge in the field of Primary Immunodeficiency (PID) by promoting the latest research, offer high-quality educational programs and foster indispensable cooperation among all those involved in the diagnosis, treatment and management of these diseases. Abstract submission deadline: 12 May 2020. For more information please visit: <https://esidmeeting.org/>

IUIS-FAIS-SAI-AAA Immuno-Algeria 2020 - Challenge of Allergy in the molecular era, 24th-28th June 2020, El-Aurassi Hotel, Algiers, Algeria

This course will be facilitated by an experienced international faculty. Lectures, discussions and presentations will focus on the immunology, clinical aspects, new biological diagnosis methods and the future of immunotherapy for allergic diseases. This 5-day course is open to MSc and PhD students, post-doctoral fellows, physicians, and scientists in the early stages of their careers, who have demonstrated an interest in the research or applied aspects of allergic diseases. Deadline for application: **19th February 2020**. For more information, please visit: <https://www.immunopaedia.org.za/course-registrations/immuno-algeria-2020/>

Immunometabolism in Health and Disease - Gordon Research Conference - Basic and Translational Cellular Metabolism in Immunity - June 21 - 26, 2020 - Smithfield, RI, US

Applications for this meeting must be submitted by May 24, 2020. For more information, please visit: <https://www.grc.org/immunometabolism-in-health-and-disease-conference/2020/>

Call for speakers to take part in Soapbox Science's 2020 events is NOW OPEN!

Deadline 10 am 2nd March 2020. For more information, please visit <http://soapboxscience.org/apply-to-speak-at-soapbox-science-2020/>

PUBLICATIONS and INTERESTING READS:

The yin and yang of co-inhibitory receptors: toward anti-tumor immunity without autoimmunity

<https://www.nature.com/articles/s41422-020-0277-x>

A strategy for the millions of HIV-exposed but uninfected children

<https://www.medicalbrief.co.za/archives/a-strategy-for-the-millions-of-hiv-exposed-but-uninfected-children/>

Novel DNA-Sensing Pathway Found in Human Cells, Absent in Mice

<https://www.the-scientist.com/news-opinion/novel-dna-sensing-pathway-found-in-human-cells--absent-in-mice-67007>

Link to research article: <https://immunology.sciencemag.org/content/5/43/eaba4219>

What you need to know about the Wuhan coronavirus (Nature Video)

https://www.youtube.com/watch?v=Q_4flkc2k6g&

Concise whole blood transcriptional signatures for incipient tuberculosis: a systematic review and patient-level pooled meta-analysis

[https://www.thelancet.com/journals/lanres/article/PIIS2213-2600\(19\)30282-6/fulltext](https://www.thelancet.com/journals/lanres/article/PIIS2213-2600(19)30282-6/fulltext)

Zika Virus' Key into Brain Cells ID'd, Leveraged to Block Infection and Kill Cancer Cells

Working independently, two different UC San Diego research teams identified the same molecule — $\alpha\beta 5$ integrin — using brain organoids, tumor organoids and mouse models.

<https://ucsdnews.ucsd.edu/pressrelease/zika-virus-key-into-brain-cells-idd-leveraged-to-block-infection-and-kill-cancer-cells>

With a protein 'delivery,' parasite can suppress its host's immune response

<https://penntoday.upenn.edu/news/protein-delivery-parasite-can-suppress-its-hosts-immune-response>

The microbiota and immune-mediated diseases: opportunities for therapeutic intervention

<https://onlinelibrary.wiley.com/doi/abs/10.1002/eji.201948322>

Reactivation of latent HIV moves shock-and-kill treatments forward

HIV-1 can evade the immune system by hiding out in a dormant form. Two studies describe interventions that can effectively reactivate the latent virus in animals, potentially rendering it vulnerable to immune-mediated death. <https://www.nature.com/articles/d41586-020-00010-x>

Coronavirus latest: WHO declares global emergency

<https://www.nature.com/articles/d41586-020-00154-w>

Researchers have built a map and dashboard for tracking the worldwide spread of the coronavirus outbreak. The downloadable data set is collected from sources including the World Health Organization, official sources in China and Dingxiangyuan, a social network for health-care professionals that provides real-time information on cases. (Johns Hopkins Center for Systems Science and Engineering)

https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html?utm_source=Nature+Briefing&utm_campaign=ee09f96136-briefing-dy-20200130&utm_medium=email&utm_term=0_c9dfd39373-ee09f96136-44620873#/bda7594740fd40299423467b48e9ecf6

Could a bacteria-stuffed pill cure autoimmune diseases?

<https://www.nature.com/articles/d41586-020-00197-z>

Optimization of a Plasmodium falciparum circumsporozoite protein repeat vaccine using the tobacco mosaic virus platform

<https://www.pnas.org/content/early/2020/01/24/1911792117>

Wetter climates select for higher immune gene diversity in resident, but not migratory, songbirds

<https://royalsocietypublishing.org/doi/10.1098/rspb.2019.2675>

<https://www.youtube.com/watch?v=bQZqfAy8l0M&feature=youtu.be>

Colorimetric Band-aids for Point-of-Care Sensing and Treating Bacterial Infection

<https://pubs.acs.org/doi/10.1021/acscentsci.9b01104>

Factors associated with false negative interferon- γ release assay results in patients with tuberculosis: A systematic review with meta-analysis

<https://www.nature.com/articles/s41598-020-58459-9>

Molecular mechanism of SHP2 activation by PD-1 stimulation

<https://advances.sciencemag.org/content/6/5/eaay4458>

Institut Pasteur sequences the whole genome of the Wuhan coronavirus, 2019-nCoV

<https://medicalxpress.com/news/2020-01-pasteur-sequences-genome-wuhan-coronavirus.html>

Immunity in the Gut Ramps Up Around Mealtimes

<https://www.labroots.com/trending/cell-and-molecular-biology/16724/immunity-gut-ramps-mealtimes>

Insights Into the Role of Endoplasmic Reticulum Stress in Infectious Diseases

<https://www.frontiersin.org/articles/10.3389/fimmu.2019.03147/full>

FDA Approves Aimmune's PALFORZIA™ as First Treatment for Peanut Allergy

<https://www.businesswire.com/news/home/20200131005593/en/>

Human Fc Receptor-like 3 Inhibits Regulatory T Cell Function and Binds Secretory IgA

[https://www.cell.com/cell-reports/fulltext/S2211-1247\(19\)31764-4?dgcid=raven_jbs_etoc_email](https://www.cell.com/cell-reports/fulltext/S2211-1247(19)31764-4?dgcid=raven_jbs_etoc_email)

The promise of mRNA vaccines: a biotech and industrial perspective

<https://www.nature.com/articles/s41541-020-0159-8>

Another HIV vaccine strategy fails in large-scale study

<https://www.sciencemag.org/news/2020/02/another-hiv-vaccine-strategy-fails-large-scale-study>

How HIV develops resistance to key drugs discovered

https://www.crick.ac.uk/news/2020-01-30_how-hiv-develops-resistance-to-key-drugs-discovered

Step aside CRISPR, RNA editing is taking off

<https://www.nature.com/articles/d41586-020-00272-5>

Remdesivir and chloroquine effectively inhibit the recently emerged novel coronavirus (2019-nCoV) in vitro

<https://www.nature.com/articles/s41422-020-0282-0>

JOBS and POSITIONS

Opportunity: SAMRC Scholarships 2020-2022

The South African Medical Research Council currently has a number of scholarship opportunities available for MSc, PhD and post-doctoral candidates. Applicants are encouraged to submit their applications by **12 February 2020**. For a full list of the opportunities and more information regarding the research scope, please visit: <http://www.mrc.ac.za/job-opportunities>



Postdoctoral Position in Immunology at NYU, New York City, NY, United States.

The Feske lab at New York University (NYU) is seeking a postdoctoral scientist for projects focused on studying immunity to infection and/or autoimmunity. Application deadline: **22 February 2020**. For more information, please visit: <https://www.nature.com/naturecareers/job/postdoctoral-position-in-immunology-at-nyu-nyu-school-of-medicine-716045>

Computational Biologist - Postdoctoral Scientist (Immuno-Oncology) - Leuven - Laboratory of Cell Death Research & Therapy. Apply before: Thursday, April 30, 2020.

<https://www.kuleuven.be/personeel/jobsite/jobs/55530821?hl=en&lang=en>

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.

Thank you.

Kind regards

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