For its third series, IUIS, in partnership with immunopaedia and Frontiers in Immunology, will broaden the scope to cover a variety of hot topics in immunological research such as Autoimmunity, Infectious Diseases and Allergology.

Please find below the upcoming Webinars from the IUIS 2022 Webinar Series “Immunology without Borders”.

**Shane Crotty: Adaptive Immunity and Immune Memory to SARS-CoV-2 after COVID-19**

Understanding immune memory to SARS-CoV-2 is critical for improving diagnostics and vaccines, and for assessing the likely future course of the COVID-19 pandemic. This analysis includes multiple compartments of circulating immune memory to SARS-CoV-2 from 188 COVID-19 cases, including 43 samples at > 6 months post-infection. By studying antibody, memory B cell, CD4+ T cell, and CD8+ T cell memory to SARS-CoV-2 in an integrated manner, it was observed that each component of SARS-CoV-2 immune memory exhibited distinct kinetics (Dan et al., Science 2021). Shane Crotty will also present a working model of the relationship between adaptive immune responses and COVID-19
disease.

**When: Mon, Apr 25, 2022 – 3:00 PM Pretoria (GMT+2)**

**Speaker: Shane Crotty**
Dr. Crotty’s lab studies the fundamental immunology underlying vaccine functions. Initially trained in molecular virology and then viral immunology, Crotty’s laboratory focuses on both the basic immunology of T follicular helper (Tfh) CD4 T cells (Science 2009, Immunity 2019), viral immunology including SARS-CoV-2 (Cell 2020), B cell immunodominance (Science 2016, Immunity 2018, Science 2019,), and the central roles of germinal centers and memory in vaccine immunology (Cell 2019, Nature Medicine 2020). Dr. Crotty was a Pew Scholar and a 2016-2019 Highly Cited Researcher. His recent COVID-19 immunology work has become the highest attention getting Cell paper ever (Cell 2020; Nature Reviews Immunology 2020).

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**Immunopaedia Summaries:**

**The unusual COVID-19 pandemic: the African story**

In the first instalment of the International Union of Immunological Societies (IUIS) webinar series in collaboration with Immunopaedia and Frontiers Immunology, we were treated with a fascinating talk by Dr Kondwani Jambo titled – The unusual COVID-19 pandemic: the African story.

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