

IUIS – Immunopaedia – Frontiers Webinars 2022

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.

Immunopaedia Summaries:

Microbiome control of host immunity

Dr. Yasmine Belkaid is a distinguished Investigator at the National Institute of Allergy and Infectious Diseases at the National Institute of Health (Bethesda). Following a postdoctoral fellowship at the National Institute of health (Bethesda) on immune regulation during infection, she started her research program at the Children's Hospital Research Foundation in Cincinnati. In 2005, she joined the National Institute of Allergy and Infectious Diseases (NIAID) and was appointed senior scientist in 2008. Her laboratory explores fundamental mechanisms that regulate tissue homeostasis and host immune responses and uncovered key roles for the microbiota and dietary factors in the control of immunity and protection to pathogens.



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Shaping of anti-tumor immunity in the

tumor microenvironment

Since 2005, the studies of Jérôme Galon, Franck Pagès, and Wolf H. Fridman have changed the paradigm of host/cancer interactions by demonstrating that the “immune contexture”, considering the functionality, the location, and the density of the immune infiltrate in colorectal tumors, is the major prognostic factor for human cancers. These findings really open the way for immune-based tools for efficient prognosis and therapy of cancers.



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Metabolic control of T cell differentiation during immune responses to cancer

The Delgoffe Lab studies the metabolic contributions to T cell fate and function. The activation, expansion, and differentiation of T cells requires the interpretation of many complex signals including those from the antigen receptor, costimulatory and coinhibitory molecules, and cytokines. It has now become clear that metabolism represents another key mechanism by which T cells can be regulated..



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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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Immune responses to SARS-CoV-2



For the second webinar of the International Union of Immunological Societies (IUIS) webinar series in collaboration with Immunopaedia and Frontiers Immunology, we were treated by an amazing talk from Professor Akiko Iwasaki titled – Immune responses to SARS-CoV-2.

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