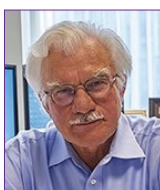




ISHI WEBINAR SERIES (N° 13)

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THE IMPACT OF NGS BASED HLA TYPING IN TRANSPLANTATION OF SOLID ORGANS AND DISEASE ASSOCIATIONS



SPEAKER

Dr. Dimitrios S. Monos

Dr. Monos is currently the Evelyn Willing Bromley Professor of Pathology and Lab Medicine at the Perelman School of Medicine, University of Pennsylvania and Director of the Immunogenetics Laboratory supporting the transplant programs, at The Children's Hospital of Philadelphia. His laboratory has contributed in identifying the exact structural elements on the different HLA molecules associated with several autoimmune diseases and through genome-wide association studies identify additional genomic regions associated with autoimmunity. His laboratory, back in 2010, also introduced NGS as the best methodology, so far, for the detection of polymorphisms on phase of HLA genes and of the MHC, transforming the field of Immunogenetics. Most recently, his lab has identified miRNAs encoded by the HLA genes and the MHC. These new findings identify a new functional role for the HLA genes potentially influencing a large number of cellular pathways that may explain the significant associations of these genes with many diseases. In the context of developing a better understanding of the genomic organization of the MHC, he has been collaborating with physicists and engineers and introduced Complexity Theory in analyzing genomic sequences revealing patterns of organization within the genome. He is the author of more than 150 original publications, has served on the editorial boards of several journals and participating in study sections reviewing grants for NIH and other organizations. Dr. Monos has been invited to present his work at different Universities, National and International meetings.



MODERATOR

Prof. Narinder Mehra

Prof. Narinder Mehra is the former Dean of the All India Institute of Medical Sciences, New Delhi and is the current President of the Indian Society of Histocompatibility and Immunogenetics. He started his scientific career in the area of H & I in the mid 70's, when this specialty was virtually non-existent in India and its impact in Biology and Medicine was beginning to be understood worldwide.

10th September 2021

06.30PM - 07.30PM (India Standard Time) | 03.00PM - 04.00PM (Central Europe Time)
06.00AM - 07.00AM (Pacific Time) | 09.00AM - 10.00AM (Eastern Standard Time)

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