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2nd - 4th February 2024, MGUMST, Jaipur, INDIA

Pre-Conference Workshop on 1st February 2024

Evolving Landscape of Immunogenetics and Transplant Evaluation

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Dimitri Monos

Professor
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Dr. Monos received his B.S. (Biology) from the University of Patras Greece, and his PhD (Biochemistry/Immunology) from Georgetown University, Washington, DC.

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. He has contributed to 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 lab has pioneered the DNA-based methodologies for HLA typing and the introduction of Next Generation Sequencing in the field of Immunogenetics. Most recently, his lab has successfully sequenced the 4Mb of the MHC in haploid form and explore the 3D interactome of the MHC using Hi-C methodology. His lab has also identified miRNAs encoded by the HLA genes and the MHC. These new findings identify a new functional role for the HLA genes potentially influencing many cellular pathways that may explain the significant associations of these genes with many diseases. He is the author of more than 170 original publications and served on the editorial boards of several journals. He has also been invited to present his work at different Universities, National and International meetings. Dr. Monos's work has been funded by NIH, ADA, JDF, University of Pennsylvania, The Children's Hospital of Philadelphia, Diabetes Research and Education Foundation, National Marrow Donor Program and other Foundations. He has also served NIH study sections and review grant applications for several funding organizations. Finally, he is also the recipient of the Rose Payne Award, the highest distinction bestowed by the American Society for Histocompatibility and Immunogenetics (ASHI) at an international level.

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