



Friday, December 8, 2017

LSC 3 | 1:30 - 2:30PM

Dr. Rafick Sekaly

Professor

Department of Pathology

Case Western Reserve University, Cleveland OH

“OMICs unravel novel mechanisms for immunotherapy of HIV and Cancer.”

Dr. Sekaly's is a Professor (PhD) at Case Western University (Cleveland). He has 280 peer-reviewed publications including articles in most prestigious journals such as Nature Medicine, Science, Nature, Journal of Clinical Investigation. His research group has made pioneer discoveries in HIV pathogenesis, virology and immunotherapies. His research has highlighted the impact of thymic output, T cell memory, mechanisms of CD4 and CD8 T cell dysfunction in HIV. More recently, his lab has shown how innate immunity can impact HIV persistence. In 2009, he was awarded the NIDA Avant-Garde Award for HIV/AIDS Research for his highly innovative research on HIV/AIDS among drug abusers. He utilizes systems biology tools to monitor the turnover of the HIV reservoir, and to show how innate and adaptive immune responses can shape vaccine responses in humans. He identified the pathways induced by the highly protective Yellow fever vaccine. His group also helped identify IL-10 produced by B cells in Lymph nodes as a major driver of the HIV reservoir and the role of PD-1 on T cell and monocyte biology in T cell homeostasis in HIV persistence.

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