

mRNA Therapeutics in Cancer: From Innovation to Clinical Impact

mRNA technology is opening new possibilities for harnessing the immune system to treat cancer. This talk will explore the development of mRNA-based cancer therapeutics, from the concept of using mRNA to direct tumor-specific immune responses to clinical translation. It will highlight two complementary approaches: off-the-shelf mRNA therapies designed to target shared cancer antigens, and individualized neoantigen therapy, exemplified by Intismeran autogene (mRNA-4157/V940), which is tailored to the unique mutational profile of an individual tumor. The talk will discuss the scientific principles underlying these approaches, the challenges of translating innovative mRNA technologies into clinical development, and the emerging clinical evidence that may shape the future of mRNA therapeutics in oncology.



Filippos PORICHIS
Senior Director,
Program Lead
Intismeran
Autogene -
Oncology Clinical
Development

Filippos received his PhD in Immunology and Viral Infections from the University of Crete and the Institute of Molecular Biology and Biotechnology (IMBB) in 2007. Following his PhD, he moved to the United States to pursue postdoctoral research at the Ragon Institute of MGH, MIT and Harvard, where he studied immune regulation in infectious diseases. He was subsequently promoted to Junior Faculty at the Ragon Institute, where his research focused on understanding the mechanisms that regulate the immune system with the goal of informing the development of HIV and tuberculosis vaccines; he also served as Director of International Programs at the Institute. In 2016, Dr. Porichis transitioned from academia to industry, joining Merck KGaA (EMD Serono), where he applied his expertise in immunology and translational science to oncology and held several leadership roles spanning immuno-oncology and drug development. He joined Moderna in 2023 and has since held leadership positions across Cancer Vaccine Research and Oncology Clinical Development. He currently serves as Senior Director and Global Program Lead in Oncology Clinical Development,



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12:00
Costas Fotakis
room



www.imbb.forth.gr
imbb_seminars@imbb.forth.gr

Host: Marina Vidaki