

Biography:

Dr. Aleksandra Nita-Lazar received her Ph.D. in biochemistry in 2003 from the University of Basel for studies performed at the Friedrich Miescher Institute for Biomedical Research, where she analyzed atypical protein glycosylation using mass spectrometry and protein biochemistry methods. After postdoctoral training at Stony Brook University and Massachusetts Institute of Technology (Ludwig Cancer Foundation Fellow), where she continued to investigate post-translational protein modifications and their influence on cell signaling, she joined the Program in Systems Immunology and Infectious Disease Modeling, now the Laboratory of Immune System Biology, DIR, NIAID, NIH, in April 2009, as an independent investigator and Chief of the Cellular Networks Proteomics Unit. Dr. Nita-Lazar was granted tenure in December 2018 and she now continues her work as Senior Investigator and Chief of the Functional Cellular Networks Section. Her main research interests are protein expression and modification changes regulating the Toll-like receptor signaling and macrophage activation.