



Professor Dr. Barbara Seliger

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Professor Dr. Barbara Seliger is the Director of the Institute for Medical Immunology at the Martin-Luther-University Halle-Wittenberg, in Halle, Germany, Director of a FOCIS Center of Excellence, member of the World Immunoscore and SITC biomarker initiatives. In addition she is head of the work group for “Tumor immunology” of the German Society of Immunology. Prof. Seliger’s research team studies the molecular events associated with immune escape of tumors, the role of the tumor microenvironment and immune cell subpopulations for tumor development and therapy resistance. One major goal is to understand the molecular mechanisms, by which tumor cells modulate the immune response in order to escape immune surveillance. This includes immune check point pathways and abnormalities of HLA class I and class II antigens as well as of HLA-G. In addition, her laboratory is involved in optimization and monitoring immunotherapies and in the characterization of biomarkers allowing the prediction of their success. Recently, she became interested in the identification, functional characterization and clinical relevance of immune regulatory microRNAs, RNA-binding proteins and their implementation as therapeutic tools as well as in the role of the tumor and immune cell metabolism in immune surveillance and its modulation as novel therapeutic option alone or in combination with targeted or immunotherapies.

She has published more than 245 papers, is member of the Editorial Board of OncoImmunology, Journal of Translational Medicine, Proteomics – Clinical Proteomics, reviewer of many journals and national as well as international grants including EU grants and organizer/co-organizer of national and international workshops and symposia such as a Keystone Symposium in Vancouver, ITOC meetings in Munich and Prague and the yearly “Tumor immunology meets oncology” meeting in Halle. During her scientific life she did win a number of awards including the recent ARF Award of the Qatar Foundation 2015 and the Award for the most innovative research project in the state of Saxonia-Anhalt December 2016.