Prof. Dr. Sara Richter is Full Professor of Microbiology and Clinical Microbiology at the University of Padua, Italy (since 2018). She graduated in Pharmaceutical Chemistry and Technology (1997), she obtained her first PhD in Pharmaceutical Sciences (2001) and her second PhD in Virology (2004) at the University of Padua (Italy). After a 3-year postdoc at the University of Medicine and Dentistry of New Jersey, USA, she obtained a permanent position as Assistant Professor (2006), and as Associate Professor (2013) at the University of Padua. She was awarded the ERC Starting /FIRB Ideas Grant (2007), the ERC Consolidator Grant (2013), the Bill & Melinda Gates Foundation GCE Grants (2010, 2013), grants from the Massachusetts General Hospital/Harvard University (2019, 2021). Since 2021 she has been in the Editorial Board of Nucleic Acids Research. She has published 111 papers in top peer-reviewed international journals. Her main research interests are quadruplexes, non-canonical nucleic acid structures that are emerging as key regulators of the organisms' biology.