

Speaker Bio: Dr. Sardiù's research is in the field of quantitative omics data, with a focus on the development of computational methods for processing and extracting biological information from large and complex datasets. One of her aims is to develop new methods for integrative analyses of data across different data types with a goal to identify potentially cancer-related molecular alterations and determine new disease biomarkers. Another priority of Dr. Sardiù's research is to provide a holistic view of merged data and interpretation tools that harmonize biological information across heterogeneous platforms. Lastly, a new focus of her research is exploring perturbed networks structures and trying to address the dynamics of networks in general using statistical physics principles.