

Biophysics of redox biology: methods, insights and novel opportunities

Redox biology is a rapidly expanding research field, involving antioxidants and oxidative stress, redox regulated signalling pathways, redox modifications of proteins and other cellular components, as well as radical chemistry. Several recent advances in biochemical and biophysical methodologies, as well as advances in modelling approaches, have significantly improved current insights into the molecular mechanisms of redox biology. This session will present and discuss some of these novel insights in redox biology, aiming to also present opportunities for forthcoming studies.

Invited speakers

Elena Papaleo - Danish Cancer Society Research Center & Technical University of Denmark

Graham George - University of Saskatchewan

3-4 short talks selected from abstracts

Session chairs

Giuseppe Filomeni, Denmark

Elias Arnér, Sweden