

## BIRA-ICCT2023 seminar

*Speaker;* Prof. Ernesto Freire (Johns Hopkins University)

*Title;* Calorimetry of Proteins with Disordered Domains

*Date;* 14:00-16:00 August 2<sup>nd</sup>, 2023

*Place;* Science Hall, Senri Life Science Center (5F)

### *Abstract*

Some proteins possess functionally relevant disordered domains. In this short presentation, I will discuss the thermodynamic signatures associated with the folding/unfolding of these proteins, as well as the thermodynamic signatures associated with their binding to proteins and small molecule ligands. I will use as a case study gp120, the envelope glycoprotein of HIV-1; the protein responsible for the first event in HIV-1 cell infection.