

*Neuroscience Center of Excellence*

# Special Presentation

## To Affinity and Beyond: Advancing your research with label free interaction analysis

### Speakers

Biophysical methods are essential tools during the entire drug discovery process – from early stage R&D through to QC and manufacturing. They can be used for optimization of protein constructs and verification of proper and consistent protein folding, identification of optimal assay buffer, screening of fragments and the confirmation of binding to the right or allosteric binding site(s) of the target molecule. You can also measure binding affinity, thermodynamics and kinetics to be able to perform enthalpy and residence time based optimization of leads into candidate drugs. In this seminar we will provide an introduction to label free techniques: Differential Scanning Calorimetry (DSC), Surface Plasmon Resonance (SPR) and Isothermal Titration Calorimetry (ITC) and highlight their use in a several application areas in and around tyrosine kinases (VEGF, EGFR) and transmembrane receptors (BACE1, CXCR4 etc).



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**2:00 p.m.**

**Monday,**

**September 9**

**8th Floor**

**Neuroscience Center  
of Excellence  
Conference Room**

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