

## **Seminar**

### **Attractive interactions in collapse and aggregation of similarly-charged polymers**

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Polyelectrolytes are charged polymers in a solution containing neutralising counterions. Examples of polyelectrolytes include biologically relevant charged polymers such as DNA, actin, which have a rigid or semiflexible backbone structures and are known to undergo compaction and/or aggregate into bundles. I will describe our computational efforts, using coarse-grain molecular dynamics simulations, towards understanding this counterintuitive and counterion mediated attraction among these charged polymers.

***Thursday, Jun 23<sup>rd</sup> 2016***

***4:00 PM (Tea/Coffee at 3:45 PM)***

***Seminar Hall, TCIS***