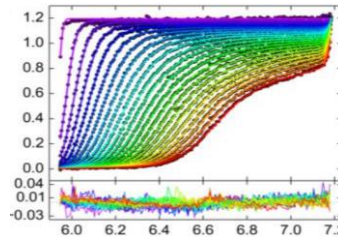




**BECKMAN COULTER
CENTRIFUGATION
INVITATION 2019**


AUC meeting 2019 – Analytical Ultracentrifugation

We discuss a robust technique for the characterization of macro-molecules and nanoparticles, and their associations and aggregations, according to their mass, size and shape in solution. This primary technique characterizes macromolecules and particles while they float free – with very few restrictions for buffers and a low risk for artefacts – aiding the characterization of samples that are complex, heterogeneous, weakly interacting, non-covalently bound macromolecules and nano-structures

NIBRT, Fosters Avenue, Dublin - Thursday 21st November

*In the academic setting, AUC allows for investigation of **interactions** as well as simple characterization regarding molecular mass and sedimentation co-efficients. Modern industrial uses include applications around **viral vector packaging efficiency** within the cell and gene therapy segment, as well as allowing fine grained assessment of protein aggregation status in the arena of **biologic drug QC***

Meeting schedule

RSVP
bmantle@labplan.ie

- 12.00 pm** Welcome with Snacks and Finger food
- 12.30 pm** "Sedimentation & Diffusion Analysis for Macromolecule & Nanoparticle characterization: Developments from the early years until today & tomorrow"
Dr. Lutz Ehrhardt, Beckman Coulter, Marketing Manager Centrifugation
- "Virus Characterization Results & non-ideal or high concentration formulations"
Dr. Alexander Bepperling, Lab Head Biophysical Characterization II, Global Drug Development
Hexal AG
- AUC Insight 1: "Sample concentration in the AUC and the relevance of AUC data for the mass of complexes, aggregation content or association constants"**
Dr. Lutz Ehrhardt, Beckman Coulter, Marketing Manager Centrifugation
- AUC Insight 2: "Assessing the quality of adeno-associated virus gene therapy vectors by sedimentation velocity analysis"**
Dr. Anthony Curran, Beckman Coulter, Specialist Analytical Ultracentrifugation
- 3.30 pm** Open discussion