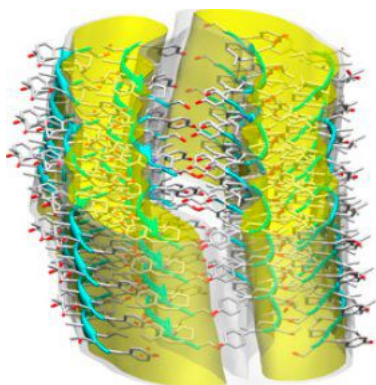


Discussion Meeting on Aggregation and Clustering of Molecules

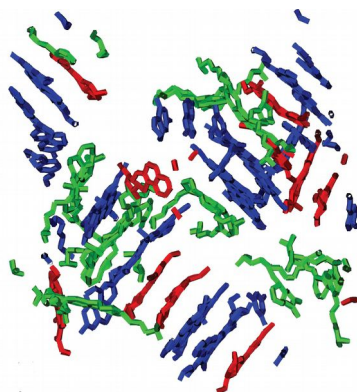
30th-31st October 2014

Royal Danish Academy of Sciences and Letters, Copenhagen



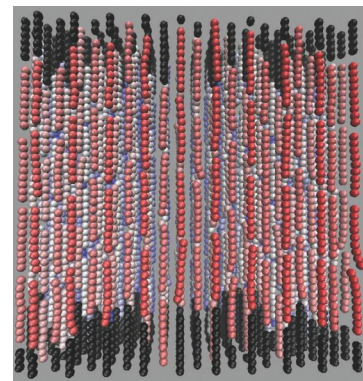
Amyloid Fibril

A. W. P. Fitzpatrick et al
PNAS **110**, 5468 (2013)
(Copyright 2013 NAS)



Asphaltene nanoaggregate,

C. Lemarchand et al
JCP **139**, 124506 (2013)
(Copyright 2013 AIP)



Columnar phase

S. Naderi et al
PRE **88**, 032307(2013)
(Copyright 2013 APS)

The allocated time for a talk is 30 minutes, but please allow 5-10 minutes for discussion.

Thursday October, 30

11:30-12:00: Registration (first floor)

12:00-13:00: LUNCH (upstairs, third floor)

13:00-13:05: Welcome (Claire Lemarchand, Roskilde University)

13:05-13:30: Claire Lemarchand (Roskilde University): *Size distribution of asphaltene nanoaggregates: a molecular dynamics study*

13:30-14:00: Philippe Ungerer (Materials Design): *Aggregation of asphaltenes : insight from atomistic-level molecular dynamics simulations*

14:00-14:30: Oliver C. Mullins (Schlumberger): *The nanocolloidal structure of crude oil and its relationship with oil reservoirs*

14:30-15:00: Paul van der Schoot (TU Eindhoven): *Role of Solvent in Supramolecular Polymerisation*

15:00-15:30: BREAK (upstairs, third floor)

15:30-16:00: Peter Bolhuis (University of Amsterdam): *Condensation, polymerization, and fibrilization of short amyloidogenic peptides*

16:00-16:30: Marcus Fändrich (Ulm University): *Aggregation of peptides into amyloid fibrils and amyloid plaque superstructures*

16:30-17:00: Sheeba Jem Irudayam (Aarhus University): *Amyloid fibrils in water: Influence of length and morphology on the stability of fibrils*

17:00-17:30: Himanshu Khandelwa (University of Southern Denmark): *Self-assembly of Surfactants and Lipids*

17:30-18:30: Poster session with beer (upstairs, third floor)

20:30- : DINNER in Madklubben Vesterbro (Vesterbrogade 62, 1620 København V)

Friday October, 31

09:00-09:30: Kurt Binder (University of Mainz): *Simulation of interfacial phenomena in soft condensed matter and nanoscience*

09:30-10:00: Kay Saalwächter (University of Halle): *Polymer immobilization on nanoparticle surfaces and its role in elastomer reinforcement*

10:00-10:30: Philipp Maass (Osnabrück University): *Cluster Formation on Surfaces*

10:30-11:00: BREAK (upstairs, third floor)

11:00-11:30: Tuomas Knowles (University of Cambridge): *Kinetics of protein aggregation*

11:30-12:00: Amedeo Caflisch (University of Zürich): *Antiprion activity of polythiophenes: From in silico design to in vivo proof of concept*

12:00-12:30: Per Linse (Lund University): *Polyion-induced virus assembly*

12:30-13:30: LUNCH (upstairs, third floor)

13:30-14:00: Nitin Tiwari (TU Eindhoven): *Dynamical Landau theory for supramolecular self-assembly*

14:00-14:30: Dorthe Posselt (Roskilde University): *Restructuring in Lamellar Diblock Copolymer Thin Films During Solvent Vapor Annealing*

14:30-15:00: BREAK (upstairs, third floor)

15:00-15:30: Benoit Palmieri (McGill University): *Line active molecules promote inhomogeneous structures in membranes*

15:30-16:00: Michael Holmboe (Uppsala University): *Clustering of intestinal lipids as studied by Molecular dynamics simulations*

