

LINXS mAb Research Program Midterm Meeting

Lund, 27/28 September 2022

Location: LINXS venue, IDEON Building: Delta 5 (5th floor), Scheelevägen 19, Lund

Program

Tuesday, 27 September 2022

12:00 – 13:00	Lunch
13:00 – 13:15	Welcome, introduction
13:15 – 13:45	WP 1: Robin Curtis (on-line), “Separating out effects of deuterated water on protein-protein electrostatic interactions and other short-ranged forces”
13:45 – 14:15	WP 2: Peter Schurtenberger, “Solution structure and collective dynamics – Insight from a combination of SAXS, SLS, DLS and microrheology”
14:15 – 14:45	NIST: Yun Liu, "Dynamics of the NISTmAb in solution: concentration and temperature effects"
14:45 – 15:15	WP 4: Sergei Grudinin, “Atomic-scale integrative modeling of antibodies”
15:15 – 15:45	Coffee break
15:45 – 16:15	NIST/WP 4: Christina Bergonzo (on-line), “Characterizing the structure and dynamics of the NISTmAb Fc domain”
16:15 – 18:00	Discussion on open problems, new findings, plans
18:30 –	Dinner

Wednesday, 28 September 2022

09:00 – 09:15	WP 2/WP 3: Andreas Stadler, “QENS, data analysis and the use of complementary spectrometers for the study of mAb dynamics”
09:15 – 09:30	WP 2/WP 3: Margarita Kruteva, “Large scale dynamics of mAb probed by PFG NMR”
09:30 – 10:00	WP 2/WP 3: Ralf Biehl, “mAb domain dynamics observed by NSE”
10:00 – 10:30	WP 4: Emanuela Zaccarelli, “Coarse-grained colloidal models for antibodies”
10:30 – 11:00	Coffee break
11:00 – 11:15	Update from Novartis: Karoline Bechtold-Peters
11:15 – 11:30	Feedback from NIST: John Schiel and/or Katharina Yandrovski
11:30 – 12:00	Discussion, next steps
12:00 – 13:00	Lunch