Dynamics of disordered proteins course

CEITEC MU

Kamenice 5, Brno

Building A11
Room: 235

4. – 7.9.2017

⬡ **START: 09.00**

Course programme

Monday 4.9.2017

12:30 - 13:00	Registration
13:00 - 13:45	Lecture 1. IDPs from a theoretical perspective (RK)
13:45 - 14:30	Lecture 2. Chemical shifts (FM)
14:30 - 15:00	Coffee break
15:00 - 15:45	Lecture 3. Molecular motions and NMR relaxation (RK)
15:45 - 16:30	Lecture 4. Relaxation dispersion (FM)
17:00 - 19:00	Welcome Mixer

Tuesday 5.9.2017

9:00 - 9:45	Lecture 5. Non-uniform sampling - approaches and pitfalls (KK)
9:45 - 10:30	Lecture 6. Non-uniform sampling for high dimensionality (AZK)
10:30 - 11:00	Coffee break
11:00 - 11:45	Lecture 7. Monitoring kinetics and relaxation (KK)
11:45 - 12:30	Lecture 8. Electrostatics in IDPs (FM)
12:30 - 14:00	Lunch break
14:00 - 14:45	Lecture 9. Residual dipolar couplings (MB)
14:45 - 15:30	Lecture 10. Cross-correlated relaxation rates (RK)
15:30 - 16:00	Coffee Break
16:00 - 16:45	Lecture 11. Paramagnetic relaxation enhancement and interference (RK)
16:45 - 17:15	Example 1 (FM)

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Wednesday 6.9.2017

9:00 - 9:45	Lecture 12. Small angle X-ray scattering (TNC)
9:45 - 10:30	Lecture 13. Averaging of NMR observables (MB)
10:30 - 11:00	Coffee break
11:00 - 11:45	Lecture 14. Computer simulations of IDPs (NS)
11:45 - 12:30	Introduction to practical session
12:30 - 14:00	Lunch break
14:00 - 18:30	PRACTICAL SESSION AT NMR SPECTROMETERS (A4, Dadok Centre)

Thursday 7.9.2017

9:00 - 12:30	PRACTICAL SESSION ON COMPUTERS (A4, 1.18)

The practical part of the workshops will be performed in Josef Dadok National NMR Centre supported by CIISB research project.