

Workshop schedule for US-SOMO bead modeling workshop

Presented by: Emre Brookes, UTHSCSA, Mattia Rocco, IST, Olwyn Byron, University of Glasgow

	9:00 am – 10:45 am	Coffee Break	11:15 am – 1:00 pm	Lunch Break	2:30 pm – 4:00 pm	Coffee Break	4:30 pm – 6:00 pm
Sunday March 25							
Monday March 26	US-SOMO hydrodynamics suite. Introduction, principles, methods (SOMO and AtoB). Generating, visualizing and computing the hydrodynamics of rigid-body bead models.		US-SOMO hydrodynamics suite. Dealing with missing atoms or non-coded residues. Use of the batch mode and model selector. Intro to DMD + BD		US-SOMO SAXS module. Introduction and general features (Hydrating the pdb, computing the I(q) vs q and p(r) vs r profiles)		US-SOMO SAXS module. Using the batch mode and the model selector. DMD and/or improved DAMMIN/DAMMIF
Tuesday March 27	US-SOMO (REPEAT) hydrodynamics suite. Introduction, principles, methods (SOMO and AtoB). Generating, visualizing and computing the hydrodynamics of rigid-body bead models.		US-SOMO (REPEAT) hydrodynamics suite. Dealing with missing atoms or non-coded residues. Use of the batch mode and model selector. Intro to DMD + BD		US-SOMO (REPEAT) SAXS module. Introduction and general features (Hydrating the pdb, computing the I(q) vs q and p(r) vs r profiles)		US-SOMO (REPEAT) SAXS module. Using the batch mode and the model selector. DMD and/or improved DAMMIN/DAMMIF