STRUCTURAL
BIOINFORMATICS IN PRACTICE
17.-18. November 2016
Universitetet på Færøerne

Day 1	Biomolecular visualisation and structure prediction	
09:15 - 10:00	**Introduction to Structural Bioinformatics**	
10:15 - 10:30	**Hands-on: The Protein Data Bank**	
10:30 - 12:00	**Hands-on: Biomolecular visualisation with PyMOL**	
12:00 - 12:30	Lunch	
12:30 - 13:00	Biomolecular visualisation continued	
13:15 - 15:00	**Hands-on:** • *Homology modelling with Swiss-Model* • *Secondary structure element prediction with PSI-Pred*	

Day 2	Protein flexibility	
09:15-11:00	**Hands-on: Comparative structural analysis with Bio3D-web**	
11:15 - 12:00	**Hands-on: Beginning protein structure analysis with Bio3D**	
12:00 - 12:30	Lunch	
12:30 - 14:00	Structure analysis with Bio3D continued	
14:15 - 14:45	**Other topics, e.g. protein-ligand docking, minimization and molecular dynamics simulations, other databases**	
14:45 - 15:00	Course evaluation	