Tentative Agenda

BioTech 77: Molecular Modeling and Molecular Dynamics

Tuesday, March 13, 2018

Estimated Time	Location, Building, Room	Activity	Instructor
9:15am – 12:00pm	Bldg. 10 Rm2c116	Cloud Computing Setup & Linux Basics	TBA
12:00pm – 1:00pm		Lunch	
1:00pm – 2:00pm	Bldg. 10 Rm2c116	Molecular Modeling - Concepts and Methods	TBA
2:00pm – 3:00pm	Bldg. 10 Rm2c116	Structure Visualization Basics Using Chimera	TBA
3 :15pm- 5:00pm	Bldg. 10 Rm2c116	Comparative Protein Structure Modeling	TBA

Wednesday, March 14, 2018

Estimated Time	Location, Building, Room	Activity	Instructor
9:00am – 10:15pm	Bldg. 10 Rm2c116	Fold Recognition Based Structure Modeling	TBA
10:30am- 12:00pm	Bldg. 10 Rm2c116	Ab Initio Based Protein Structure Modeling	TBA
12:00pm – 1:00pm		Lunch	
1:00pm – 3:00pm	Bldg. 10 Rm2c116	Protein Structure Quality Analysis	TBA
3:15pm- 5:00pm	Bldg. 10 Rm2c116	Structure Refinement	TBA

Tentative Agenda

BioTech 77: Molecular Modeling and Molecular Dynamics

Thursday, March 15, 2018

Estimated Time	Location, Building, Room	Activity	Instructor
9:00am – 10:15am	Bldg. 10 Rm2c116	Concepts and Methods in Molecular Dynamics	TBA
10:30am – 12:00pm	Bldg. 10 Rm2c116	Preparing for a Molecular Dynamic Simulation	TBA
12:00pm – 1:00pm		Lunch	
1:00pm – 5:00pm	Bldg. 10 Rm2c116	Running a Molecular Dynamic Simulation - NAMD	TBA

Friday, March 16, 2018

Estimated Time	Location, Building, Room	Activity	Instructor
9:00am – 12:00am	Bldg. 10 Rm2c116	Visualization Basics Using VMD	TBA
12:00pm – 1:00pm		Lunch	
1:00pm – 4:30pm	Bldg. 10 Rm2c116	Analysis and Visualization of MD Simulation Results	TBA
2:00pm – 3:00pm	Bldg. 10 Rm2c116	AWS Marketplace, Pricing, Gov Cloud - standards and Compliance	TBA
4:30pm – 5:00pm	Bldg. 10 Rm2c116	Certificates and Feedback	