

CompuCell3D Course and Hackathon 2021 (online)

Times are US Eastern

Version 30 July 2021

Times	Module	Name	Speaker
Sunday, August 1st, 2021			
Day 0--Python			
https://iu.zoom.us/meeting/register/tZ0scOGupz4qHNa-X5UJR7APuTRBz0iDFh3			
10:00 - 10:30		Preliminary Questions	
10:30 - 12:00		0.1 basics	TJ
12:15 - 1:45		0.2 lists, tuples, strings, slicing	TJ
2:15 - 3:45		0.3 dictionaries, functions, scope, module	TJ
4:00 - 5:30		0.4 classes, attributes, numpy, scipy, operations	TJ
5:30 - 6:00		Closing Questions	
Monday, August 2nd, 2021			
Day 1--Basics of CC3D			
https://iu.zoom.us/meeting/register/tZYrdeqsrljEtUoX4PG_4USfaZExpqmh1A1			
10:00 - 10:30		Preliminary Questions	
10:30 - 12:00		1.1 Intro to CC3D	JAG
12:15 - 1:45		1.2 Foams--Intro to Plotting	Juliano
2:15 - 3:45		1.3 IntroPotts+Epithelial to Mesenchymal Transition	JMB
4:00 - 5:30		1.4 Cell Shapes	JMB
5:30 - 6:00		Closing Questions	
Tuesday, August 3rd, 2021			
Day 2--Forces and Chemical Fields			
https://iu.zoom.us/meeting/register/tZYrdeqsrljEtUoX4PG_4USfaZExpqmh1A1			
10:00 - 10:30		Preliminary Questions	
10:30 - 12:00		2.1 Applying Forces to Cells	Juliano
12:15 - 1:45		2.2 Hackaton Lightning Talks	JAG
2:15 - 3:45		2.3 Chemical Gradients	Josua
4:00 - 5:30		2.4	Josua
5:30 - 6:00		Closing Questions	
Wednesday, August 4th, 2021			
Day 3--Tumors, Compartmental Cells, Subcellular Models			
https://iu.zoom.us/meeting/register/tZYrdeqsrljEtUoX4PG_4USfaZExpqmh1A1			
10:00 - 10:30		Preliminary Questions	
10:30 - 12:00		3.1 Cell Properties and Behaviors, Cell Division	Josua
12:15 - 1:45		3.2 Avascular Tumor	Juliano
2:15 - 3:45		3.3 2D CellMigration	Gilberto
4:00 - 5:30		3.4 Tellurium in CC3D - Intro	JAG/Josua
5:30 - 6:00		Closing Questions	
Thursday, August 5th, 2021			
Day 4--Subcellular Models			
https://iu.zoom.us/meeting/register/tZYrdeqsrljEtUoX4PG_4USfaZExpqmh1A1			
10:00 - 10:30		Preliminary Questions	
10:30 - 12:00		4.1 Tellurium in CC3D: coupling with cell behaviors (Part I)	Josua
12:15 - 1:45		4.2 Hackathon Teaming and SBML Import	JAG/Julio
2:15 - 3:45		4.3 Tellurium in CC3D: coupling with cell behaviors (Part II)	Josua
4:00 - 5:30		4.4 MaBoSS + CC3D	TJ
5:30 - 6:00		Closing Questions	
Friday, August 6th, 2021			
Day 5--Links and Solids Modeling			
https://iu.zoom.us/meeting/register/tZYrdeqsrljEtUoX4PG_4USfaZExpqmh1A1			
10:00 - 10:30		Preliminary Questions	
10:30 - 12:00		5.1 Links+Convergent Extension	JMB
12:15 - 1:45		5.2 Links+TissueFold	JMB
2:15 - 3:45		5.3 Parameter Scans, Exporting Data	Sluka
4:00 - 5:30		5.4 Parameter Files, CC3D Best Practices	Sluka
5:30 - 6:00		Closing Questions	

Saturday, August 7th, 2021

Day 6--Hackathon

<https://iu.zoom.us/meeting/register/tZcof-ChrjvGdOT9bRsQIGNIICkq0GQRoDw>

10:00 - 11:00	6.1 Orientation and Teaming	JAG
11:00 - 1:00	6.2 Morning Work Session	
1:00 - 1:30	6.3 Mid-day check in	JAG
1:30 - 5:30	6.4 Afternoon Work Session	
5:30 - 6:00	6.5 Closing Check in	JAG

[Independent Work]

Sunday, August 8th, 2021

Day 7--Hackathon

<https://iu.zoom.us/meeting/register/tZcof-ChrjvGdOT9bRsQIGNIICkq0GQRoDw>

10:00 - 10:30	7.1 Morning Check in	JAG
10:30 - 1:00	7.2 Morning Work Session	
1:00 - 1:30	7.3 Mid-day check in	JAG
1:30 - 5:00	7.4 Afternoon Work Session	
5:00 - 6:00	7.5 Final Presentations	JAG