Annual Workshop on Computational Cell Biology May, 23-25 2022

R. D. Berlin Center for Cell Analysis and Modeling

University of Connecticut School of Medicine

Date	Time (EDT)	Description	Preparation	Presenter
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Monday May 23		Welcome, Overview and Organization		Ann Cowan
	10:15	Basics of Reaction Kinetics and Diffusion	R-D YouTube	Les Loew
	10:45	Virtual Cell (VCell) Overview & Discussion	Vcell YouTube	Ann Cowan
	11:20	COPASI Overview & Discussion	COPASI Youtube	Pedro Mendes
		Plenary Talk: Padmini Rangamani "How		
		Virtual Cell helped us decode		Padmini Rangamani
	12:00	mechanotransduction of YAP/TAZ"		
		Discussion and questions on advanced		
	12:45	modeling approaches: Stochastic, Spatial,	Watch appropriate videos	Moderator: Ann Cowan
		Rule-based/Network-free		
	14:00	Project Track		
		Adjourn		
		- injourn		
Tuesday May 24	9:00	Project Track		
		Plenary Talk: Aurélie Carlier "Computational		
		modeling of kidney function: from the bench		Aurélie Carlier
	10:00	·		Adrene curner
		SpringSaLaD Overview and Discussion	SpringSaLaD YouTube	Aniruddha Chattaraj
		Parameter Estimation	Par. Est. YouTube	Pedro Mendes, Stefan Hoops
		Modeling Resources	Tar. Est. Tourabe	Michael Blinov
		Project Track		IVIICII dei Billiov
		Project Symposium 1		4 Projects
		Project Track		4 FTOJECIS
	18:00	Adjourn		
Wednesday May 25	0:00	Project Track		
		Project Symposium 2		4 Projects
	10.00	Plenary Talk: Melanie Stefan "It's		4 FTOJECIS
		not what you think - using models to		
		,		Melanie Stefan
	14.00	uncover counter-intuitive behaviours of		
	11:00	biological systems"		
		Advanced Topics Discussion: Discontinuities		L
	11:45	and Scripting	Watch appropriate videos	Moderator: Ion Moraru
	12.55	, ,		
		Open Forum: Suggestions, Questions		All
		Project Track		
		Project Symposium 3		4 Projects
		Project Symposium 4		4 Projects
	17:00	Workshop Ends		