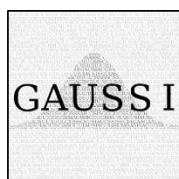


July 25-26, 2016

**Second Annual Front Range  
Computational & Systems Biology Symposium  
Sensing and Sequencing Microbes**

Time	Speaker	Title
7:30am	Registration Opens	
8:15 am	Opening Remarks	
	Session I: Microbiomes - Chair: <b>Jane Stewart</b>	
8:30 am	<b>Dan Jacobson</b> Oak Ridge National Labs	Integrated Systems Biology Network Models: Adventures with 42,000 Phenotypes
9:15 am	<b>Jessica Metcalf</b> CU Boulder	Microbe CSI
9:40 am	<b>Elizabeth Ryan</b> Colorado State University	Sustainable Foods for gastrointestinal disease control and prevention across the lifespan
10:05 am	Coffee	
10:30 am	<b>Josep Bassaganya-Riera</b> BioTherapeutics	Modeling mucosal immune responses in inflammatory bowel disease
	Session II: Pathogen Detection and Discovery – Chair: <b>Mark Stenglein</b>	
11:15 am	<b>Steve Simske</b> Hewlett Packard	Sensing and Meso-Fluidics for Life Sciences Manufacturing
12 noon	Lunch	
1:00 pm	<b>Sara Sawyer</b> CU-Boulder	HIV, Flu, and Flaviviruses: Why these viruses infect the species that they do, and how they evolve to infect new species
1:45 pm	<b>Nick Walter</b> National Jewish Health	Monitoring TB treatment responses using M tuberculosis transcriptomics
2:10 pm	<b>Greg Ebel</b> Colorado State University	Intrahost population dynamics of West Nile virus: Insights from experimental evolution studies
2:35 pm	Coffee	
	Session III: Mathematical Modeling of Infection Chair: <b>Mike Kirby</b>	

3:00 pm	<b>Kim Pepin</b> USDA-APHIS	Inferring disease transmission dynamics from surveillance data
3:25 pm	<b>Mike Kirby</b> Colorado State University	Host Pathways and Early Warning of Infection
3:50 pm	<b>Henry Adams</b> Colorado State University	What is topology and how is it applied to data analysis?
4:15pm	Short Break	
4:30pm	<b>Josep Bassaganya Riera</b> BioTherapeutics <b>Steve Simske</b> Hewlett Packard <b>Kim Pepin</b> USDA-APHIS <b>Richard Kulesus</b> ArcherDX <b>Jared Snider</b> ArcherDX <b>Laura Griffin</b> ArcherDX	Non Academic Careers Panel Discussion Moderator: <b>Stu Tobet</b>
5:30pm	Poster Awards Announced	



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