



**WORKSHOP**  
**Pandemic Scenario Modeling**  
**and Science Communication**

LOCATION: [The Hatchery - Center for Innovation](#) 1578 Avenue Place, Suite 200, Atlanta, Georgia 30329

Day	Time	Theme/Activity	Instructor(s)
Fri 3 June	5:00 - 7:00	Registration & Networking Event	
Sat 4 June	8.30-12.30	<b>Science Communication</b>	Karen Lips, Maryn McKenna
		<b>Lecture:</b> Approaches for science communication: from theory to practice	
		<b>Discussion:</b> lessons learned from the COVID-19 Pandemic	
		<b>Activity:</b> practice elevator talk on own research to peers in small groups	
		<b>Activity:</b> use feedback from peers and insights from lecture and discussion to prepare a 3-minute TED-like talk on own research	
	1.30-5.30	<b>Pandemic Scenario Modeling</b>	Noam Ross
		<b>Lecture:</b> Models for real-time pandemic data: lessons from an emergency	
		<b>Lecture:</b> Dealing with heterogeneity: varied testing regimes, behavior change, population structure and socioeconomic vulnerability	
		<b>Lab:</b> Capturing spatio-temporal patterns of outbreaks in a population; matching model design with administrative and public health data	
		<b>Discussion:</b> Making and communicating trade-offs in fine-scale monitoring and uncertainty	
Sun 5 June	8.30-12.30	<b>Science Communication</b>	Karen Lips, Maryn McKenna, Sam Whitehead, Jaap de Roode
		<b>Activity:</b> Give TED-like talks in small group setting of ~13 participants; receive feedback from moderator and audience; revise talk to incorporate feedback	
		<b>Lecture:</b> Best practices for science communication on social media	
	1.30-5.30*	<b>Pandemic Scenario Modeling: Socioeconomics and Land Use</b>	Calistus Ngonghala
		<b>Lecture:</b> Coupling infectious disease and economic models	
		<b>Lab:</b> Coupling infectious disease, economic and land-use change models	
		<b>Discussion:</b> Communicating outcomes of complex adaptive systems	
	1.30-5.30*	<b>Pandemic Scenario Modeling: Human Mobility</b>	Sam Scarpino
		<b>Lecture:</b> Incorporating mobility data into infectious disease models	
		<b>Lab:</b> Types of mobility data, metapopulation dynamics in infectious disease models	
		<b>Discussion:</b> Communicating importance of superspreaders to policy makers	
Mon 6 June	8.30-12.30	<b>Science Communication</b>	Karen Lips, Maryn McKenna, Jaap de Roode
		<b>Activity:</b> turn updated TED-like talk into social media format, post on social media platform, and link to EEID2022 twitter feed	

\*Concurrent sessions: workshop participants choose one session only.