Detailed CREiGS 3-day In-Person Curriculum:
Icahn School of Medicine at Mount Sinai
Annenberg Building
1468 Madison Avenue, 5th Floor
Center for Innovation and Discovery Conference Room

	Day 1	*Day 2*	*Day 3*
10am - 10:25am		Breakfast	Breakfast
10:30am – 12:55pm		**Interactive R Programming Workshop Part I (*subject to change):** 1. Intro to RNA-seq analysis 2. Intro to linear models 3. Normalization of RNA-seq data using voom and basic QC	Special Topics Lecture: *10:30-11:25am* **Decision Analysis and Cost Effectiveness in Genomics Research** Dr. Bart Ferket Associate Professor Department of Population Health Science and Policy Icahn School of Medicine at Mount Sinai
1:00pm – 2:25pm	*Participants from outside of the NY metropolitan area arrive to NYC.*	Lunch + Office Hours	Special Topics Lecture: *11:30am-12:25pm* **Building Knowledge Graphs from Biomedical Research** John Erol Evangelista, MS Bioinformatician II Ma'ayan Laboratory, Computational Systems Biology Icahn School of Medicine at Mount Sinai Closing Ceremony *12:30pm-1pm* *Day 3 will end no later than 1pm.
2:30pm – 5:00pm		**Interactive R Programming Workshop Part II (*subject to change):** 1. Differential expression analysis using mixed effects models 2. Plotting and interpreting results	
5:00pm – 7:30pm	Introductions & Networking Dinner *5:00pm-6:20pm* Special Topics Lecture: *6:30-7:30pm* **Rigor and Reproducibility in Computational Science with Applications to Genome Research** Dr. Ana Trisovic Research Scientist MIT's CSAIL	Networking Dinner. *6:00pm* **Anand Indian Cuisine 304 E. 78th St. New York, NY 10075** **Dinner attendance is mandatory.*	*Participants from outside of the NY metropolitan area depart NYC.*