QBioS Hands-On Modeling Workshop Program

Georgia Institute of Technology

May 14-15, 2018

Instructors:

Prof. Joshua Weitz & QBioS Ph.D. students including members of the (i) 2017 cohort: Kai Tong, Guanlin Li, Mengshi Zhang, Akash Vardhan, Daniel Muratore, Brandon Pratt, Kelimar Diaz; and the (ii) 2016 cohort: Nolan English and Ali Zamani.

Sponsors:

Georgia Institute of Technology & the Burroughs Welcome Fund

May 14 Schedule

8:30am    Registration
9:00am    Welcome by Prof. Joshua Weitz
9:05am    Introduction to Evolutionary Dynamics: Part I
10:25am   Coffee Break
10:45am   Introduction to Evolutionary Dynamics: Part II
          ✓ Paper discussion (to be distributed in advance of workshop)
12:00pm   Lunch
1:00pm    Introduction to Computing: Part I
          ✓ MATLAB or Python, variables and data types, loops
2:20pm    Coffee Break
2:40pm    Introduction to Computing: Part II
          ✓ Conditional statements, functions, data visualization

May 15 Schedule

9:00am    Evolutionary Dynamics Modeling Exercise: Part I
10:20am   Coffee Break
10:40 am  Evolutionary Dynamics Modeling Exercise: Part II
12:00 pm  Lunch
1:00 pm   Individual discussions on modeling & additional time to complete the morning exercise