

Natural Selection Engineering Internship

Nov. 15, 2019

Day 4/52



At the end of today's lesson you will be able to;

- Design a treatment that does not cause an increase in the malaria parasite population while considering three criteria: minimizing drug resistance in the malaria parasite population; minimizing patient side effects; and keeping costs low.

Classwork-

- Conclude Natural Selection Engineering Internship Day 5
- Interns are introduced to The Design Cycle and iterative testing through a brief video that explains the process: Plan, Build, Test, Analyze. After reviewing the layout of their MalariaMed Data sheets, interns begin to apply the practices of iterative testing to their designs, using MalariaMed to test different sequences and doses of antimalarial drugs. Finally, the internship coordinator guides the team through a data evaluation activity by color-coding a data set.
- The purpose of these activities is to give interns structured practice with iterative testing.

Homework-

- After Hours: Read and annotate the “Meet an Engineer Who 3-D Prints with Living Material” article.