

Natural Selection Engineering Internship

Nov. 7, 2019

Day 3/47



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-

- Natural Selection Engineering Internship Day 2
- Interns continue the Research phase and are introduced to the practice of taking Daily Message Notes to identify the key tasks and any important concepts.
- Interns are formally introduced to the term selection pressure in multiple ways: they actively read and discuss background information and engage in a hands-on activity that simulates mutations in a malaria parasite population when an antimalarial drug is introduced to the environment.
- The purpose of these activities is to support interns' understanding of environmental selection pressures on microscopic organisms.

Homework-

- After-Hours: Reread and revise annotations in Chapter 2: "Basic Facts About Malaria" and Chapter 3: "Antimalarial Drugs as Selection Pressure"