

daptation of experimental populations in the laboratory – Flow cytometry-based competition

- New project-based lab course that takes advantage of adaptation of experimental populations of microbes to explore connections between genetics, systems-level physiology, evolution and ecology.
- Students will work collaboratively on one of four novel research projects in groups of three or four in the 5th floor Biolabs teaching laboratory that is open 24/7/365.
- Projects:
 - Adaptation of experimental populations in continuous culture device
 - Evolution of cooperation in a synthetic, two-species consortium
 - Identification of beneficial mutations via Illumina re-sequencing
 - Parallelism in evolution of genome-wide expression via microarrays
- Pre-requisites: PLSa/LS1a & LS1b (or permission of instructor)

Find more info at: http://isites.harvard.edu/k41841 or contact the instructor (cmarx@oeb.harvard.edu)