

Download Pharmacogenomics Teaching Guide

Download Pharmacogenomics Teaching Guide Teacher Guide: SNP Analysis and Pharmacogenetics Abstract: Students learn about Single Nucleotide Polymorphisms (SNPs) in DNA sequences and how they can be used to match patients with appropriate medications. Students locate the SNPs in DNA sequences for fourteen patients, categorize them into haplotypes Pharmacogenomics Curriculum – Ms. Escoto Page 3 Personalized Medicine using Pharmacogenomics Author's Note This curriculum unit was created with the purpose of teaching 9th grade biology honors students the importance of research in the area of pharmacogenomics. This notion is true not just for teaching pharmacogenomics, but for MD education in general, which must include more comprehensive and contemporary education in molecular genetics and biotechnology, allowing our future physicians to cope with the rapid projected incorporation of molecular tools into medical practice. This course is shown in Box 1, as a guide for graduate schools interested in following this example. At this stage, the course is not intended for our MD students, whose extensive teaching curriculum limits the implementation of additional courses. Similar considerations prohibit more extensive pharmacogenomics education at other medical schools.