

Harvard Summer Program Immunology Project Resource Information Form	
Title	<The Evolutionary Origin of the AIDS virus.>
Resource Type	<input type="checkbox"/> Lesson Plan <input checked="" type="checkbox"/> Activity <input type="checkbox"/> Lab Activity <input type="checkbox"/> Web-quest
Description	Bioinformatics tools will be used to construct a phylogenetic tree based on the nucleotide sequences derived from HIV-1 , HIV-2, SIV from various primates and a variety of other retroviruses. Students will interpret the tree in order to construct a scenario for the origin of the AIDS virus.
Author(s)	David Form
Author Institution(s)	Minuteman Regional High School
Objective	<State the objective(s) of your resource.>
Key Concepts	Evolution Molecular genetics (DNA and gene structure) Viruses
Student Prep	Knowledge of DNA structure and virus structure
Materials	Computer with access to internet
Grade level(s)	9-12, college
Teacher Prep Time	none
Class Time	45 –60 minutes
National Standards	<To which National Science Education Standards does the resource correlate?>
State Standards	<To which State Standards does the resource correlate?>
Sources	<If the resource is derived or adapted from previously published material, cite the source(s) here.>
References	<Cite any other sources that you referred to when developing the resource.>
Assessment	<Make recommendations for assessment>

