

| Harvard Summer Program Immunology Project Resource Information Form | |
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| 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> |

