

## Procedure for selection of web site work groups

Bio 160 homepage: [www.Brown.edu/Courses/Bio\\_160](http://www.Brown.edu/Courses/Bio_160)

Below are two sets of vaccine website topics. Group I are existing sites requiring updating. Group II are the new topics requiring creation. To update sites or create new ones, follow the guidelines provided by the course instructors. No more than two students/group.

By next **Friday**, each student should have selected a web site topic (give first and second choices) and *individually* e-mailed Kevin Dallas (**subject**: Bio 160 website selections) with their choices. If you want to preselect a partner, add that information in your request. If the limit on any topic is exceeded, the earliest dated requests will get first choice. We will announce the groups by return e-mail.

### Group I:

- HIV (human immunodeficiency virus)
- HBV (hepatitis B virus)
- HPV (human papilloma virus)
- Influenza
- Polio virus
- Rabies virus
- TB (Mycobacterium tuberculosis, an intracellular bacterial infection)
- Bacterial meningitis (H. influ. b, N. meningitidis, S. pneumoniae)
- Lyme disease (a spirochete bacterial infection transmitted by ticks)
- Malaria (Plasmodia ssp., protozoan parasites)
- Schistosomiasis (Schistosoma ssp., parasitic worms)
- Trypanosomiasis (both the African & the American species of protozoan parasites)
- Cancer vaccine strategies (general topic, not focused on any particular form of cancer)
- Targets with immune evasion strategies (combine the subtopics listed)
  - a) antigenic variation, e.g. influenza virus, rhinovirus
  - b) modulation of the complement system and inflammatory response
  - c) modulation of the host cytokine network; ...of Th phenotype
  - d) modulation of antigen processing/presenting pathways
- Vaccine strategies

### Group II:

- Rotavirus
- MMR (measles, mumps, rubella – 3 viral vaccines)
- Dengue fever, flavivirus (hemorrhagic fever)
- Chicken pox (varicella virus)
- Hep A
- Hep C
- Anthrax vaccine & Gulf War syndrome
- Cholera (mucosal immunity)
- DPT (diphtheria/pertussis/tetanus - 3 bacterial toxins)
- Leishmaniasis
- Hookworm
- Rhogam (passive immunization)
- Anti-autoimmunity therapeutic vaccines
  
- Combination vaccines
- Vaccination programs for developing countries
- Vaccines for int'n'l travel
- Vaccines for healthcare workers
- Regulation, testing, safety of vaccines