

Bio 160 Vaccine Design

Course Requirements = Participation in class + A or B + C		A	Website project	Project: A website, developed according to guidelines developed by course leaders and webmaster, that proceeds as follows: (1) identify subject. (2) background reading. (3) write text according to website structure. (4) collect or create illustrations. (5) write HTML. (6) request evaluation by webmaster and faculty. (7) post site. (8) report to class. Evaluation by class and faculty.	=1/3 Grade (alternate for B)
		B	Community-based vaccine project	Project: A community-based, vaccine related project that proceeds as follows: (1) identify question. (2) background investigations. (3) identify community site. (4) request permissions. (5) perform data collection. (6) analyze results. (7) write report. (8) report to class. Evaluation by class and faculty.	=1/3 Grade (alternate for A)
		C	Term Paper	A grant proposal: 15 pages maximum, excluding bibliography & figures/tables. Proposal must contain the following components: (1) Abstract and Specific Aims. (2) Background: review of the literature (Epidemiology, Pathogenesis, Correlates of immunity, Current vaccines). (3) Proposal and justification. (3) Research Plan: steps to develop vaccine: experimental design. (4) Timeline	=1/3 Grade
		class	participation	Attendance / participation in discussions of course topics and student presentations.	=1/3 Grade

							Conf?	Alternate
	Date	Abs	Topic	Topic	Speaker			
Weds	26-Jan-00		Introduction	Introduction, Requirements for Grade	P. Knopf, A. De Groot		Y	
Fri	28-Jan-00	ADG		Website tour	P. Knopf, Kevin Dallas		Y	
Monday	31-Jan-00	ADG	Introduction	Over View of Immune Responses	Paul Knopf		Y	
Weds	2-Feb-00		Framework	Smallpox, Polio, Ebola, West Nile Virus, and Beyond	Anne De Groot		Y	
Th	optional seminar		Immunology/Pathology	4PM Eddy				
Fri	4-Feb-00		Screening/Office/Website	The Hot Zone	office hours			
Monday	7-Feb-00		Vaccine Strategies	Pathogens from A to Z	Steve Opal		Y	
Weds	9-Feb-00	ADG	Vaccine Strategies	Antibodies and Host Defense	P. Knopf		Y	
Th	optional seminar	ADG	Immunology/Pathology	4PM Eddy				
Fri	11-Feb-00	ADG	Screening/Office/Website	TBA	office hours			
Monday	14-Feb-00		Vaccine Strategies	Cell mediated immunity and Host Defense	* Judy Lieberman		Y	
Weds	16-Feb-00		Vaccine Strategies	Vectors (flies, mosquitoes, ticks)	Serap Aksoy/Yale U.		Y	
Th	optional seminar		Immunology/Pathology	4PM Eddy TBA				
Fri	18-Feb-00		Vaccine Strategies	Adjuvants and Vehicles	* F. Vogel/Connaught		Y	
Monday	21-Feb-00	all	long weekend	long weekend-no class				
Weds	23-Feb-00	all	Vaccine Strategies	Mucosal Immunity	Mary Petske/Harvard		Y	
Th	optional seminar	ADG	Immunology/Pathology	4PM Eddy TBA				
Fri	25-Feb-00		Screening/Office/Website	TBA	office hours			
Monday	28-Feb-00	ADG	Illustrated Vaccines	Rotavirus/Where do we go from here?	Penny Dennehey		Y	
Weds	1-Mar-00		Illustrated Vaccines	TB: Global Emergency	A. De Groot		Y	
Th	optional seminar		Immunology/Pathology	4PM Eddy TBA				
Fri	3-Mar-00		Screening/Office/Website	TBA	office hours			
Monday	6-Mar-00		Illustrated Vaccines	HIV: Virus, Host, and Vaccine	* Janet McNicholl, CDC		Y	
Weds	8-Mar-00		Illustrated Vaccines	Policy : Lessons Learned from Vaccine Development	Georges Peter		Y	
Th	optional seminar		Immunology/Pathology	4PM Eddy TBA				
Fri	10-Mar-00		Screening/Office/Website	TBA	office hours			
Monday	13-Mar-00		Vaccine Strategies	Cancer: HPV	Michael Steller		Y	
Weds	15-Mar-00		Illustrated Vaccines	Cancer: Hematologic (leukemia)	Loren Fast		Y	
Th	optional seminar		Immunology/Pathology	4PM Eddy TBA				
Fri	17-Mar-00		Begin Student web/project	TBA	office hours			
Monday	20-Mar-00	ADG	Student web/project	Student Presentations 1-2-3				
Weds	22-Mar-00	ADG	Student web/project	Student Presentations 4-5-6			TV Rajan/BI54	
Th	optional seminar		Immunology/Pathology	4PM Eddy TBA				
Fri	24-Mar-00		Student web/project	Student Presentations 7-8-9 AND HAND IN TWO PAGE OUTLINE OF PAPER				
Monday	27-Mar-00	all	break					
Weds	29-Mar-00	all	break	-				
Th	optional seminar	all	break	-				
Fri	31-Mar-00	all	break	-				
Monday	3-Apr-00		Illustrated Vaccines	Hepatitis B: Cost vs Conquest	* Fred Prince		Y	
Weds	5-Apr-00		Illustrated Vaccines	Hepatitis C: Prevention or Therapy?	Jack Wands		Y	
Th	optional seminar		Immunology/Pathology	4PM Eddy TBA				
Fri	7-Apr-00		Student web/project	Student Presentations 10-11-12				
Monday	10-Apr-00		Illustrated Vaccines	TBA: Bench to Market	Debra Peattie		I	
Weds	12-Apr-00		Illustrated Vaccines	Hookworm & Schistosome Vaccine Development	Rick Bungiro		Y	
Th	optional seminar		Immunology/Pathology	4PM Eddy TBA				
Fri	14-Apr-00		Student web/project	Student Presentations 13-14-15				
Monday	17-Apr-00		Illustrated Vaccines	TBA (diarrheal disease/Bangladesh or Malaria)			<input type="checkbox"/>	
Weds	19-Apr-00		Future Therapy	Sepsis: Vaccines to prevent Sudden Death	S. Opal		Y	
Th	optional seminar		Immunology/Pathology	4PM Eddy TBA				
Fri	21-Apr-00		Student web/project	TBA	office hours			
Monday	24-Apr-00		Future Therapy	Evolution in a Test tube	*R.Whalen/MaxygenInc.		I	
Weds	26-Apr-00		Future Therapy	Designer Vaccines	A. De Groot			
Th	optional seminar		Immunology/Pathology	4PM Eddy TBA				
Fri	28-Apr-00			???	office hours			
Monday	1-May-00	ADG		Term Papers Due / Seniors	FIELD TRIP TO WASHINGTON DC/ VACCINE MEETING			
Weds	3-May-00	ADG		Term Papers Due / Nonseniors				