

SCHEDULE FALL 2018-CBIO4500-Medical Parasitology

DESCRIPTION: In this course we discuss diseases caused by parasites. We will lecture about both helminth and protozoan parasites. Each lecture will present information on the biology of the parasite, the disease that they cause, transmission and the most important basic research that is going on in the field with a focus on new molecular concepts.

DATE	Lecture	Speaker
Tu Aug 14	Introduction and Basic concepts in Parasitology	Vasant Muralidharan
Th Aug 16	Vector Biology 101: General biology and diversity of arthropods. Introduction into key groups of medical interest	Vasant Muralidharan
Tu Aug 21	Immunity to Infection	Rick Tarleton
Th Aug 23	Trematodes or flukes.	Silvia Moreno
Tu Aug 28	Shistosomiasis	Silvia Moreno
Th Aug 30	Cestodes or tapeworms	Silvia Moreno
Tu Sep 4	Introduction into the biology of Nematodes	Vasant Muralidharan
Th Sept 6	Important human diseases caused by nematodes II, GI nematodes, immunity & hygiene hypothesis.	Vasant Muralidharan
Tu Sep 11	Fundamental Concepts in Public Health and Tropical Medicine	Dan Colley
Th Sep 13	EXAM 1	
Tu Sep 18	Filariasis: Pathogenesis of river blindness and lymphatic filariasis, control programs	Vasant Muralidharan
Th Sep 20	Introduction into Protozoa and <i>Entamoeba histolytica</i> and human amebiasis:	Vasant Muralidharan
Tu Sep 25	Giardia and Trichomonas	Silvia Moreno
Th Sep 27	American trypanosomiasis: Chagas Disease	Silvia Moreno
Tu Oct 02	African Trypanosomes 1	Silvia Moreno
Th Oct 04	African Trypanosomes 2	Vasant Muralidharan
Tu Oct 9	Leishmania and leishmaniasis	Silvia Moreno
Th Oct 11	Toxoplasma gondii and toxoplasmosis	Silvia Moreno
Tu Oct 16	Toxoplasma gondii invasion and motility	Silvia Moreno
Th Oct 18	Plasmodium spp and Malaria 1	Vasant Muralidharan
Tu Oct 22	Plasmodium spp and Malaria 2	Vasant Muralidharan
Th Oct 24	EXAM 2	
Tu Oct 30	Piroplasms	Vasant Muralidharan
Th Nov 01	Opportunistic infections associated with AIDS	Silvia Moreno
Tu Nov 06	Cryptosporidium Parvum	Vasant Muralidharan
Th Nov 08	Ecology of disease	Vanessa Ezenwa
Tu Nov 13	Chemotherapy of parasitic diseases	Roberto Docampo
Th Nov 15	Vaccines	Silvia Moreno
Th Nov 21-23	Thanksgiving break	
Tu Nov 27	Developing Vaccines for Schistosomiasis	Donald Harn
Th Nov 29	Vector control, new approaches	Silvia Moreno
Dec 11, 3:30 PM	FINAL EXAM	