

Summer School 2024

Pemba Island, Archipelago of Zanzibar, Tanzania

In collaboration with:

- Public Health Laboratory Ivo de Carneri (Archipelago of Zanzibar – Tanzania)
- Ivo de Carneri Foundation (Italy)
- University of Lancaster (UK)
- University of Naples Federico II (Italy)

The Public Health Laboratory Ivo de Carneri (PHL-IdC) in Pemba Island (archipelago of Zanzibar -Tanzania), is excited to announce the Pemba Summer School 2024. Open to master's students in tropical medicine, public health, and geostatistical data analysis, this 2-week course offers a unique insight into working conditions in developing countries.

When: 1st – 12th of July 2024

Where: [Public Health Laboratory - Ivo de Carneri \(PHL-IdC\)](#)

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Programme:

Week 1 - Shared Exploration: Get hands-on experience understanding local health services, principles of controlling neglected tropical diseases, and the epidemiology of selected NTDs. Learn specimen collection and analysis in a parasitological lab.

Week 2 - Your Choice: Tailor your experience with three options:

- Option 1: Spatial Analysis of NTDs data (delivered by Dr Emanuele Giorgi, Lancaster University)

Spatial statical analysis is essential to better understand the geographical distribution and dynamics of NTDs, providing crucial insights for targeted interventions. In this option, you will be introduced to cutting edge spatial statistical methods and will have the opportunity to apply these techniques in the context of NTDs mapping.

- Option 2: Health Services Observation (Delivered by Dr Stefan-Alexandru Panaite, University of Padua – Fondazione Ivo de Carneri)

The knowledge of the working conditions in health services in Least Developed Countries (LDC) is essential to understand the constraint and to propose innovative approaches. In this option you will directly observe the healthcare activities at all levels, including dispensaries, health centers, and hospitals, and will take occasion to collect health related data that will be then analyzed.

Support by:

- Option 3: Protocol and Scientific Paper Writing for NTD Control Interventions (Delivered by Dr A. Montresor Ivo de Carneri Foundation)

New drug/control approaches are needed to improve the control of NTDs. In this option you will be requested to prepare a protocol to evaluate the efficacy of a new anthelmintic. In addition, we will explore the key elements for writing a good scientific article.

Week 1 – Official programme draft

DAY	TIME (East Africa Time)	TOPIC
Day 0 MONDAY		Arrival and accommodation of participants Welcome dinner
Day 1 TUESDAY	9.00 - 9.45	Welcoming note and logistic
	9.45 - 10.30	Zanzibar archipelago presentation: health care system, policy priorities, demography, socioeconomic status
	10.30 - 10.45	Break
	10.45 - 12.30	Public Health Laboratory - IdC presentation: structure, aims, resources, activities and organization; Research and training activities with video demonstration
	12.30 - 13.30	Lunch break
	13:30 - 14:30	Parasitic diseases and One Health: overview and practical examples
	14.30 - 15.00	Break
	15.00 - 16.00	Neglected Tropical Diseases (NTDs): overview and examples of control
	16.00 - 16.30	Take home message, discussion, questions
Day 2 WEDNESDAY	09.00 - 10.00	Malaria
	10.00 - 10.45	Tuberculosis
	10.45 - 11.00	Break
	11.00 - 11.45	Group work on malaria, tuberculosis, paragonimus
	11.45 - 12.30	Group work presentation / discussion
	12.30 - 13:30	Lunch break
	13.30 - 14.30	Schistosomiasis, lymphatic filariasis, soil-transmitted helminth
	14.30 - 14.45	Break
	14.45 - 15.45	Group work on schistosomiasis and treatment identification for different geographical areas in a multiple infection contest
15.45 - 16.30	Group work presentation / discussion	
Day 3 THURSDAY	9.00 - 12.30	Collection of fecal and urine sample in school
	12.30 - 13.30	Lunch break
	13.30 - 16.00	Sample analysis
Day 4 FRIDAY	10.00 - 12.30	Visit to Chake PHCU
	12.30 - 13.30	Lunch break
	13.30 - 15.30	Visit to peripheral HC / HCs
	15.30 - 16.00	Only for Option 2: create data collection form
Day 5 SATURDAY	all day	Recreational activities
Day 6 SUNDAY	all day	FREE

Week 2 – Official programme draft

		MODULE 1	MODULE 2	MODULE 3
Day 7 MONDAY	9.00 - 10.30	Presentation of the module, organization and objectives of the group work	Health facility work observation	Presentation of the module and practical organization of the group work
	10.30 - 10.45	Break		
	10.45 - 12.30	Refresher of the basis of statistical analysis	Health facility work observation	Components of study protocol
	12.30 - 13.30	Lunch break		
	13.30 - 15.00	GROUP WORK	Health facility work observation	Reading of selected papers on anthelmintic drug efficacy
	15.00 - 15.15	Break		
	15.15 - 17.00	GROUP WORK	Data entry and preliminary analysis	Reading of selected papers on anthelmintic drug efficacy
Day 8 TUESDAY	9.00 - 10.30	GROUP WORK	Health facility work observation	GROUP WORK (preparation of draft 1)
	10.30 - 10.45	Break		
	10.45 - 12.30	GROUP WORK	Health facility work observation	GROUP WORK (preparation of draft 1)
	12.30 - 13.30	Lunch break		
	13.30 - 15.00	GROUP WORK	Health facility work observation	Discussion of draft 1 with supervisor
	15.00 - 15.15	Break		
15.15 - 17.00	GROUP WORK	Data entry and preliminary analysis	GROUP WORK (preparation of draft 2)	
Day 9 WEDNESDAY	9.00 - 10.30	GROUP WORK	Health facility work observation	Discussion of draft 2 with supervisor

Support by:

	10.30 - 10.45	Break		
	10.45 - 12.30	GROUP WORK	Health facility work observation	Discussion of draft 2 with supervisor
	12.30 - 13.30	Lunch break		
	13.30 - 15.00	GROUP WORK	Health facility work observation	Finalization of the protocol
	15.00 - 15.15	Break		
	15.15 - 17.00	GROUP WORK	Data entry and final analysis	Finalization of the protocol
Day 10 THURSDAY	9.00 - 17.00	Presentation and discussion of each module's results		
	19.00 - 23.00	Farewell party		
Day 11 FRIDAY	Departure for Zanzibar			

Cost: 3,000 euros (Includes):

- Tuition
- Accommodation (double room, with single rooms available)
- Lunches
- Local transportation (Return Flight Zanzibar - Pemba and local transport)

Not Included:

- International travel to Zanzibar
- Visa costs

For any additional information: pembasummerschool2024@fondazioneicarneri.it

Support by: