



HARMONY

Novel tools for test evaluation and disease prevalence estimation

<https://harmony-net.eu/>



COST ACTION CA18208

Harmony Multi-Core Training School

Diagnostic test evaluation with Bayesian Latent Class Models

Location: University College Dublin, Ireland

Date: 23-24 September 2021

How to Register: <https://forms.gle/8pibcTRnp5ZSGWVA>

SOS: "First come, first served"

The first eligible 20 participants will receive an official invitation from e-COST.

Financial support

All physically attending participants are eligible for the reimbursement of incurred accommodation, meals, and local travel expenses in the country where the meeting takes place is paid as one item known as daily allowance. During the training school all participants have to sign the attendance list both days to be considered eligible for reimbursement. The daily allowance considers the participant's travel start and end dates and hours. The daily allowance rate is determined based on the country where the event takes place [**Ireland 190 EUR/day**]. No invoices for accommodation, meals, and local transport in the country where the meeting takes place are required. In the cases when the travel dates to and from the event cannot be determined, the participant shall provide any documentation attesting their travel dates so that the daily allowance can be correctly reimbursed. For those participants whose primary affiliation is in the country where the meeting takes place, if they travel less than 100 km (one way) in the country where the meeting takes place, the expense is reimbursed through the daily allowance rate and cannot be claimed separately. More information on transport expenses (car travel, airplane/train/bus/ferry travel) can be found in Sections 5, 6 of the [COST Vademecum](#).

For further details of the program, please contact Conor McAloon (conor.mcaloon@ucd.ie) or Locksley Messam (locksley.messam@ucd.ie). For information about financial support, please contact Eleftherios Meletis (emeletis@outlook.com).



University College Dublin

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Date	Start	End	Speaker(s)	Title
Thursday 23 September 2021				Room TBC
	9:00	10:15	Locksley Messam	Diagnostic tests and test evaluation
	10:15	11:15	Locksley Messam	Common methods of test evaluation and issues Introduction to latent class models
	11:15	11:45		Coffee break
	11:45	12:55	Conor McAloon and Locksley Messam	Introduction to running LCA models in R, introduction to required R packages. Estimating Se and Sp using BLCA in R - demonstration
	12:55	14:00		Lunch Break
	14:00	15:00	Conor McAloon and Locksley Messam	Hands on training: Running a basic BLCA model - Two imperfect tests in 1 population



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Date	Start	End	Speaker(s)	Title
Friday 24 September 2021				Room Name TBC
	9:00	10:15	Conor McAloon and Locksley Messam	Hands on training: Two imperfect tests in multiple populations
	10:15	11:15	Locksley Messam	Theory: Examining the assumptions of the BLCA model for diagnostic test evaluation in more detail
	11:15	11:45		Coffee break
	11:45	12:55	Conor McAloon and Locksley Messam	Hands on training: Two tests, multiple populations, conditional dependence between tests
	12:55	14:00		Lunch Break
	14:00	15:00	Conor McAloon and Locksley Messam	Hands on training: Three tests, multiple population, conditional dependence between tests



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