Bacterial Genomic Surveillance

Department of Microbiology, Moyne Institute of Preventive Medicine, Trinity College Dublin, Ireland

22-26 June 2026

wellcome connecting science

Trinity College Dublin — The University of Dublin

Pre-course		Time	In-person					Time
Self-paced	**Friday 12 June**		**Monday 22 June**	**Tuesday 23 June**	**Wednesday 24 June**	**Thursday 25 June**	**Friday 26 June**	
on Learning Management System (LMS)	**on Virtual call (Zoom)**	8:00	**Introduction to Virtual Machine and command line** *Tomás Caride Poklepovich*	**Module 4 - Mapping and phylogeny: mapping to reference genome** *César Rodríguez*	**TBC** *Carina Brehony*	**Module 6 - Web-based tools for genomic epidemiology: Epicollect** *Julio Diaz Caballero* *Caterina Guzman*	**Group task: development**	8:00
Introduction to Linux for Biologists (2 hours) R Programming for Biologists (2 hours)		8:30	**Module 1 - Sequencing and quality control** *Tomás Caride Poklepovich*		**Module 5 - Genome assembly and annotation: types of assembly** *César Rodríguez* *Tomás Caride Poklepovich*			8:30
		9:00						9:00
		9:30						9:30
		10:00	Coffee break	Coffee break				10:00
		10:30	**What a genome looks like** *Caterina Guzman*	**Module 4 - Mapping and phylogeny: mapping to reference genome continued** *César Rodríguez*	Coffee break	Coffee break	Coffee break	10:30
		11:00			**Module 5 - Genome assembly and annotation: assembly practical session** *César Rodríguez* *Tomás Caride Poklepovich*	**Module 6 - Web-based tools for genomic epidemiology: PathogenWatch** *Julio Diaz Caballero* *Caterina Guzman*	**Group task: presentation preparation**	11:00
		11:30	**Module 2 - Genome visualisation tools** *Matthew Dorman* *Marcela Suarez Esquivel*					11:30
		12:00		**Module 4 - Mapping and phylogeny: phylogenetics** *Marcela Suarez Esquivel*				12:00
		12:30						12:30
	Technical checking *Connecting Science team*	13:00	Lunch	Lunch	Lunch	Lunch	**Lunch**	13:00
		13:30						13:30
		14:00	**Module 3 - Comparative genomics** *Marcela Suarez Esquivel*	**Module 4 - Mapping and phylogeny: phylogenetics continued** *Marcela Suarez Esquivel*	**Module 5 - Genome assembly and annotation: genome annotation** *César Rodríguez* *Tomás Caride Poklepovich*	**Module 6 - Web-based tools for genomic epidemiology: Microreact** *Julio Diaz Caballero* *Caterina Guzman*	**Group task: project presentations**	14:00
		14:30						14:30
	Comfort break	15:00	**Genomic capacity development for public health settings** *Christina Clarke*					15:00
	Introductions	15:30		Coffee break				15:30
		16:00	Coffee break	**World Café: translating genomics into public health action** *All trainers*	Coffee break	Coffee break	**Wrap-up**	16:00
		16:30	**Roundtable: Pathogen Genomic Surveillance in Ireland and Northern Ireland** *All trainers*		**Module 5 - Genome assembly and annotation: genome annotation practical session** *César Rodríguez* *Tomás Caride Poklepovich*	**Introduction to group task** *Matthew Dorman*	**Sessions colour key** Self-paced online Programmatic Theory and practice Theoretical Discussion Group project	16:30
	What to expect from the course *Matthew Dorman*	17:00						17:00
		17:30			**TBC** *José Molina Mora*			17:30
		18:00						18:00