

Universitas21 Health Sciences Group 2022 UCD Summer School

How can a One Health approach improve our
pandemic preparedness?

4 - 15 July 2022

UCD | Dublin | Ireland

Summer School Programme

U21 Health
Sciences



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Programme Overview

“How can a One Health approach improve our pandemic preparedness?”

Our experience of COVID over the last 2 years has proven that we are incredibly vulnerable to infectious diseases, despite all the medical advancements that have been made. To combat another pandemic of similar scale or even to counteract localised epidemics, it is vital to approach infectious disease management with a holistic, One Health mindset.

Multiple factors influence the emergence of infectious diseases including levels of understanding about infectious diseases, economic status of populations, political stability, animal interactions, environmental stability, scientific knowledge, climate change and human behaviour. Once a virus starts to spread, how that virus is subsequently controlled or managed is also determined by several factors such as the health services within a country, the wealth of the country, the political will, the scientific ability to monitor and understand the virus.

This summer school will focus on exploring different factors that influence both the emergence or re-emergence of viruses with pandemic potential. We will draw on multiple areas of expertise to analyse how different countries responded to this pandemic and identify key factors that will provide the world with better tools to handle the next one.

Summer School Information

Location

The U21 HSG UCD Summer School will take place in the **O’Brien Centre for Science** in a number of rooms so please check before the day starts where you are based:

INTEL lecture theatre (H1.26)

ALE rooms: 1.26; 1.49; 2.32; 1.26; 1.17; 1.18

UCD Contact information

For queries about the 2022 U21 HSG UCD Summer School, please contact:

U21HSGSummerSchool2022@ucd.ie

Summer School organisation team is in the Health Sciences Building in room C108.

UCD Emergency Contact: To request first aid assistance, persons should immediately contact the UCD 24-hour Emergency Line on **+353 01 716 7999** and they will reach out to the Emergency Services to be able to direct them.

Universitas21 Health Sciences Group 2022 UCD Summer School

Week 1 Schedule

U21 Health
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Day 1 | Monday 4 July

Welcome to the UCD U21 HSG 2022 Summer School

09:30 – 13:00

09:30 – 09:50 | Registration | UCD O'Brien Centre for Science | **Foyer**

10:00 – 10:15 | Professor Cecily Kelleher, College Principal - *Welcome Address* | **INTEL**

Theatre (H1.26)

10:15 – 10:50 | Summer School Launch | Dr Gerald Barry & Associate Professor

Patrick Felle | **INTEL Theatre (H1.26)**

11:00 – 11:45 | Tour of UCD campus

12:00 – 13:00 | Teambuilding exercise | **ALE room 1.49**

LUNCH BREAK | 13:00 – 14:00

14.00 – 16.30 – ALE room 1.49

Dr Gerald Barry and Associate Professor Patrick Felle

Introduction of the final assignment

What is COVID19?

18.00 – 21.00

Welcome Meal – UCD Student Club BBQ

Day 2 | Tuesday 5 July

History of Pandemics & Zoonotic Infections

09.30 – 12.30 – INTEL Theatre (H1.26)

09:30 – 9:45 | Professor Michael Keane, UCD Dean of Medicine - *Welcome Address*

09:50 – 10:40 | Dr Gerald Barry - *Where do pandemics come from?*

10:50 – 12:20 | Associate Professor Dr Patrick Felle & Mr Diarmuid Stokes –
Introduction to the scientific method and UCD the library

LUNCH BREAK | 12:30 – 14:00

14.00 – 16.30 ALE room 2.32

14:00 – 14:50 | Dr Claas Kirchhelle – *From quarantine to preparedness - the turbulent history of pandemic politics - zoom*

15:00 – 16:30 | Summer School tasks and group assignment

17:00 – onwards*

Free time

*6pm TBC weather dependent | Introduction to Irish sports

Day 3 | Wednesday 6 July

In depth virus

09.30 – 12.30 – INTEL Theatre (H1.26)

09:30 – 09:45 | Professor Dolores O’Riordan, CHAS VP Global Engagement - *Welcome*

Address

09:45 – 10:45 | Dr Gerald Barry – *The virus*

11:00 – 11:40 | Professor James Jones – *Designing a 3D printed disposable videolaryngoscope for use during COVID-19: a case study*

11:50 – 12:30 | Group discussions

LUNCH BREAK | 12:30 – 14:00

14.00 – 16.30 ALE 1.17/1.18

14:00 – 16:30 | Group work

17:00 – 19:00

Professor Cormac Taylor live performance | UCD Student Club | Nibbles

Day 4 | Thu 7 Jul 2022

Pandemic status

09.30 – 12.30 – INTEL Theatre (H1.26)

09:30 - 10:30 | Professor Philip Nolan – *The science – policy interface during the COVID-19 pandemic in Ireland*

10:50 - 11:50 | Professor Fiona McNicholas – *CAMHS, COVID & Crisis*

12:00 – 12:30 | Group discussion

LUNCH BREAK | 12:30 – 14:00

14:00 - 16:30 – LEA 1.49

Group work

17:00 – onwards

Free time

Day 5 | Friday 8 July

What happened

09.00 – 12.30 – INTEL Theatre (H1.26)

09:00 - 09:50 | Professor Cecily Kelleher - *Impact of COVID-19 on Nursing Homes and other Congregated Settings in the Republic of Ireland*

10:00 - 10:50 | Dr Cillian de Gascun – *Diagnostics and sequencing in Ireland*

11:00 - 11:50 | Dr Austin O'Carroll – *Impact of the Pandemic on the homeless*

12:00 - 12:30 | Ms Pat O'Kelly - *Loneliness during COVID19*

LUNCH BREAK | 12:30 – 14:00

14:00 – 16:30 – LAE 1.17/1.18

Group work

17:00 – onwards

Free time

Day 6 | Saturday 9 July

Free time to explore Dublin

Day 7 | Sunday 10 July – Day Trip

Organised trip to the Cliffs of Moher

06:30 – meet Smaranda at the UCD residences bus stop

06:45 - travel from Dublin to Galway city

09:45 - time at leisure in Galway city

11:15 - drive through the Burren including photostop to Doolin

13:00 - lunch in Doolin (**bring a packed lunch**)

14:00/14:15 - drive to the Cliffs of Moher

14:30 - visit Cliffs of Moher

16:00 - drive from Cliffs of Moher back to Dublin

19:00/19:30 - arrival back in Dublin

Universitas21 Health Sciences Group

2022 UCD Summer School

Week 2 Schedule



Day 8 | Monday 11 July

Lessons Learnt

10.00 – 12.30 – INTEL Theatre (H1.26) & ALE 1.49

10:00 - 10:50 | Professor David Madden – *Covid and Economics: Some Reflections on the Pandemic*

11:00 - 12:30 | Dr Carla Perrotta, Dr Mark Roe, Ms Carolyn Ingram - *Lessons learnt on the perception of risk, trust, and behaviour & adaptation during pandemics.* – **ALE 1.49**

LUNCH BREAK | 12:30 – 14:00

14.00 – 16.30 INTEL Theatre (H1.26) & ALE 1.49

14:00 – 14:50 | Ms Siobhain Duggan - *COVID IT infrastructure* - **INTEL Theatre (H1.26)**

15:00 – 17:00 | Associate Professor Mary Codd & Professor Patrick Wall – *Contact Tracing: A critical component of the PH Response to Infectious Disease outbreaks*

- **ALE 1.49**

17:00 - onwards

Free time

Day 9 | Tuesday 12 July

Impact of COVID19

09.30 – 13.00 – INTEL Theatre (H1.26)

09:30 - 10:20 | Dr Brendan O’Kelly – *Long COVID, Experiences of the Mater Hospital*

10:30 - 12:00 | Dr Stefano Savinelli - Professor Eoin Feeney - Dr Cathal O'Broin –
Impact of COVID19

12:10 - 13:00 | Dr Aifric O’Sullivan – *The role of nutrition in supporting the immune system relative to COVID-19: Vitamin D as an example*

LUNCH BREAK | 13:00– 14:00

14.00 – 16.30 – INTEL Theatre and ALE 2.32

14:00 - 15:20 | Jack Horgan-Jones & Hugh O’Connell - *Pandemonium: Power, Politics and Ireland's Pandemic* – Dr Gerald Barry moderator – **INTEL Theatre**

15:30 - 16:30 – Dr Silvia Ivani - *Do you trust me? Experts, non-experts, and the moral dimension of trust* - **ALE 2.32**

17:00 – onwards

Free time

Day 10 | Wednesday 13 July

How others dealt with it

09:30 – 12:30 – INTEL Theatre (H1.26)

9:30 - 10:30 | Professor Wim Meijer - *Waste water surveillance*

How COVID19 impacted people from around the world – recordings of personal perspectives

LUNCH BREAK | 12:30 – 14:00

14:00 – 16:30 - INTEL Theatre and ALE 1.17/1.18

Group work - **ALE 1.17/1.18; Intel Theatre**

18:00 – 20:00

Pub quiz at the UCD Student Club

Day 11 | Thursday 14 July

How to prepare

09.30 – 12:30 - ALE 2.32

09:30 - 11:50 | Professor Ulfat Shaikh & Professor Michael Wilkes – *Systematic problem solving*

12:00 - 12:30 | Professor Paul O'Byrne – *Medical education* – zoom

LUNCH BREAK | 13:00 – 14:00

14.00 – 19:00 – ALE 1.49 / H2.32 / H2.12

14:00 - 15:00 Professor Gerard Bury - Mr Julien Devergie - *Impact of COVID19 on Primary and Pre-Hospital Care.* - ALE 1.49

Group work and prep for final presentation

Day 12 | Friday 15 July

Group Project Presentations

09.30 – 12:30

Final Group Presentations - **INTEL Theatre (H1.26)**

FAREWELL LUNCH AND CLOSE

13:00 – 16:00

Farewell meal – Science Centre

U21 HSG UCD Summer School speakers

Summer School Academic Coordinators

[Dr Gerald Barry](#) - School of Veterinary Medicine, UCD

[Associate Professor Patrick Felle](#) – School of Medicine, UCD

Speakers

[Dr Aifric O’Sullivan](#) – School of Agriculture and Food Science, UCD

[Dr Austin O’Carroll](#) – GMQ Medical

[Dr Brendan O’Kelly](#) – Mater Misericordiae University Hospital

[Dr Cathal O’Broin](#) – St. Vincent’s University Hospital

[Dr Carla Perrotta](#) – School of Public Health, Physiotherapy and Sports Science, UCD

[Ms Caroyn Ingam](#) - School of Public Health, Physiotherapy and Sports Science, UCD

[Professor Cecily Kelleher](#) – College of Health and Agricultural Sciences, UCD

[Dr Claas Kirchhelle](#) – School of History, UCD

[Dr Cillian de Gascun](#) – National Virus Reference Laboratory of Ireland

[Professor Cormac Taylor](#) – School of Medicine, UCD

[Professor David Madden](#) – School of Economics, UCD

Mr Diarmuid Stokes – School of Medicine, UCD

[Professor Dolores O’Riordan](#) - School of Agriculture and Food Science, UCD

[Professor Eoin Feeney](#) – School of Medicine, UCD

[Professor Fiona McNicholas](#) – School of Medicine, UCD

[Professor Gerard Bury](#) - School of Medicine, UCD

Mr Julien Devergie - School of Medicine, UCD

[Mr Hugh O’Connell](#) – Irish Independent

[Mr Jack Horgan-Jones](#) – The Irish Times

[Professor James Jones](#) – School of Medicine, UCD

[Associate Professor Mary Codd](#) – School of Public Health, Physiotherapy and Sports Science, UCD

[Dr Mark Roe](#) – School of Public Health, Physiotherapy and Sports Science, UCD

[Professor Michael Keane](#) – School of Medicine, UCD

[Professor Michael Wilkes](#) - University of California Davis School of Medicine, USA

[Professor Philip Nolan](#) – Science Foundation Ireland (SFI)

Ms Pat O’Kelly – Guest Speaker

[Professor Patrick Wall](#) - School of Public Health, Physiotherapy and Sports Science, UCD

[Dr Stefano Savinelli](#) – St. Vincent’s University Hospital

[Professor Paul O’Byrne](#) – Faculty of Health Sciences, McMaster University, Canada

Dr Silvia Ivani – School of Philosophy, UCD

[Ms Siobhain Duggan](#) – GS1 Ireland

[Professor Ulfat Shaikh](#) – University of California Davis School of Medicine, USA

[Professor Wim Meijer](#) – School of Biomolecular and Biomedical Science, UCD