



# One Health Initiatives in the College of Health and Agricultural Sciences at University College Dublin

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# School of Agriculture and Food Science

1. AESC40360 One Health
2. AESC4072K One Health: Plants, Animals, Humans, Environment
3. ANSC40300 Livestock infection, immunity and One Health

“The UCD College of Health and Agricultural Sciences .. established in 2015 ... brings all of UCD’s health professionals under one banner providing an exciting opportunity to exploit synergies which exist across the One Health spectrum .....” <https://www.ucd.ie/chas/>

## One Health modules at UCD

### Structure

**School of History**  
6. HIS42820 One World, One Health?

**School of Veterinary Medicine**  
5. VET20180 Introduction to One Health-Bridging Human & Veterinary Medical Sciences

**School of Public Health, Physiotherapy & Sports Science**  
4. PHS40230 One Health

6 Colleges  
37 Schools

College of Health and Agricultural Sciences



<https://www.ucd.ie/onehealth/about/>

“...**One Health** .....recognises that the health of *humans, domestic and wild animals, plants and the wider environment* are interdependent.....

.... UCD is uniquely positioned

## UCD ONE HEALTH

One Health is an integrated, unifying approach that aims to sustainably balance and optimize the health of people, animals, and ecosystems.



Contents lists available at ScienceDirect

### Ecosystem Services

journal homepage: [www.elsevier.com/locate/ecoser](http://www.elsevier.com/locate/ecoser)

## Soil stewardship as a nexus between Ecosystem Services and One Health

Aidan M. Keith<sup>a,\*</sup>, Olaf Schmidt<sup>b</sup>, Barry J. McMahon<sup>b</sup>



LETTER TO THE EDITOR

What is

## Targets to increase food production: *One Health* implications

Barry J. McMahon, PhD<sup>1\*</sup>, Patrick G. Wall, MVB<sup>2</sup>, Séamus Fanning, PhD<sup>2</sup> and Alan G. Fahey, PhD<sup>1</sup>

## A Food System Paradigm Shift: From Cheap Food at Any Cost to Food within a One Health Framework

Jonathan Rushton, MA, MAgSci, PhD, University of Liverpool and N8 Agrifood Programme; Barry J. McMahon, PhD, University College Dublin; Mary E. Wilson, MD, University of California, San Francisco School of Medicine; Jonna A. K. Mazet, DVM, MPVM, PhD, University of California, Davis; and Bhavani Shankar, PhD, University of Sheffield and N8 Agrifood Programme

November 22, 2021



Laing et al.  
CABI One Health (2023)  
<https://doi.org/10.1079/cabonehealth.2023.0002>



REVIEW



## Advancing One Health: Updated core competencies

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# UCD One Health Centre (approved Oct 2023)

“Implementing a One Health approach to problem solve at the interface of people, animals, plants, and ecosystems increasingly demands knowledge, skills, and expertise from diverse disciplines and **requires discipline-based experts to work collaboratively.**”

“These skills are **currently distributed across numerous disciplines and institutions without coordination or focus** relating to One Health.”

“UCD One Health Centre will be a centre for **trans-disciplinary research, network building and professional training and development** that will enable UCD to lead in this area, maximise the societal impact of research outputs and education, and generate public awareness and engagement”.