



UNITO HUB
ON
SCIENCE
DIPLOMACY



UniTo Winter School 2026

ONE HEALTH AND SCIENCE DIPLOMACY FOR ENVIRONMENTAL AND GLOBAL HEALTH CHALLENGES

University
of Turin

30 November - 2 December 2026

Through lectures by international experts, interactive discussions and a poster session, participants will examine the links between human, animal and environmental health while exploring how scientific evidence can support international cooperation and policy-making.

REGISTER

Link:

[https://forms.gle/6Cf6F](https://forms.gle/6Cf6FWqabYyihTmU7)

[WqabYyihTmU7](https://forms.gle/6Cf6FWqabYyihTmU7)

VENUE

Aula Multifunzione Cavallerizza
University of Turin
Via Verdi, 9 – Turin



Programme

Monday, November 30 (14:30 – 18:00)

14:30 – 15:00: Registration and Welcome

15:00 – 15:30: Opening Remarks

- F. Costamagna, Deputy Vice-Rector for European Affairs and IOs, UNITO
- M. Boido, Dipartimento di Neuroscienze, UNITO, Scientific Coordinator
- G. Moirano, Dipartimento di Scienze Mediche, UNITO, Scientific Coordinator

15:30 – 16:30: Keynote opening lecture

- P. Vineis, Imperial College London and Fellow of the Accademia dei Lincei

16:30 – 18:00: Poster Session

18:00 – 19:00: Welcome Aperitivo

Tuesday, December 1 (09:00 – 18:00)

09:00 – 09:30: Introductory Lecture: Environmental pollution, microplastics, and health impacts (M. Boido, Dipartimento di Neuroscienze, UNITO)

09:30 – 11:00: Session 1 – Microplastics in the Environment and Ecosystems

- “Environmental dispersion of microplastics” (A. Frache, Dipartimento di Scienza Applicata e Tecnologia, POLITO)
- “Detection of microplastics in sentinel animals” (E. Scaglione, Dipartimento di Scienze Veterinarie, UNITO)

11:00 – 11:30: Coffee Break



11:30 – 13:00: Session 2 – Microplastics and Toxicity

- “Impact of micro- and nano-plastics on cells and developing organisms” (P. Bovolin, Dipartimento di Scienze della Vita e Biologia dei Sistemi, UNITO)
- “From Environment to Brain: The Neurotoxic Potential of Microplastics” (M. Marraudino, Dipartimento di Neuroscienze, UNITO)

13:00 – 14:00: Lunch

14:00 – 15:30: Session 3 – Evaluating Human Health Effects

- An integrated approach to assess exposure and early health effects in humans exposed to micro- and nano-plastics (E. Bergamaschi, Dipartimento di Scienze della Sanità Pubblica e Pediatriche, UNITO)
- Micro- and nanoplastics as disruptors of gut–liver barriers and vectors of microbial translocation (B. Mognetti, Dipartimento di Scienze della Vita e Biologia dei Sistemi, UNITO)

15:30 – 16:00: Coffee Break

16:00 – 17:30: Session 4 – Solutions, Innovation and Science Diplomacy

- Ruminants as natural bioreactors for microplastic reduction (S. Tassone, Dipartimento di Scienze Agrarie, Forestali e Alimentari, UNITO)
- The Role of Science in Driving the Negotiation of a UN Global Plastics Treaty (M. Colli Vignarelli, Dipartimento di Giurisprudenza, UNITO; Università della Svizzera italiana)

17:30 – 18:00: General Discussion

Wednesday, December 2 (09:00 – 16:00)

Theme: Ecosystems, Animal and Human Health – Infectious Diseases

09:00 – 09:30: Introductory Lecture – Environmental and climatic drivers of infectious diseases (G. Moirano, Dipartimento di Scienze Mediche, UNITO)



09:30 – 11:00: Session 6 – Antibiotic resistance thorough a One health approach

- Antimicrobial resistance across the One Health continuum: clinical implications of blurred epidemiological boundaries of MDR infections across settings and countries (M. Trunfio, Dipartimento di Scienze Cliniche e Biologiche, UNITO)
- Antibiotics use in veterinary medicine and implications for human and environmental health (A. Bellato, Dipartimento di Scienze Veterinarie, UNITO)

11:00 – 11:30: Coffee Break

11:30 – 13:30: Session 6 – One Health: Environment, Animals and Pathogens

- Evaluating the interplay of environment, animals, vectors and pathogens (L. Tomassone, Dipartimento di Scienze Veterinarie, UNITO)
- Surveillance and monitoring of foodborne pathogens through a One Health approach (S. Rubiola & F. Chiesa, Dipartimento di Scienze Veterinarie, UNITO)
- Epidemiological methods to investigate the spread of vector-borne and zoonotic diseases (W. Martelli, Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta)

13:30 – 14:30: Lunch

14:30 – 16:00: Session 7 – Surveillance, Governance, Cooperation and Science Diplomacy

- “One-Health integrated surveillance in arbovirus control to guide public health interventions” (P. Angelini, Servizio Prevenzione collettiva e Sanità pubblica, Regione Emilia-Romagna)
- The role of science diplomacy in addressing complex One Health and global health challenges (B. Kuna, German Aerospace Center)

16:00 – 16:30: Closing Session – Final remarks, Certificates and farewell.