

# One Health Week

December 1 – 8, 2024

at Justus Liebig University Giessen

with researchers and students from Prishtina University “Hasan Prishtina” (PU), Ivane Javakhishvili Tbilisi State University (TSU), Kolegji Heimerer, Prishtina, IME Fraunhofer Institute Giessen, and Justus Liebig University Giessen (JLU)



## Program

### Sunday, December 1

Arrival of participants from Kosovo and Georgia

### Monday, December 2

9:00 Welcome of the organizers (IFZ, room B 202)

9:30 Introduction of the participants

10:00 Coffee break

10:30 Guided tour to get know the IFZ Research Centre for Biosystems, Land Use and Nutrition of JLU

12:00 Lunch in a nearby university canteen

13:30 Free time

17:00 Visiting the Christmas Markets in Giessen

## **Tuesday, December 3**

- 9:30 Exploring the Fraunhofer Institute for Molecular Biology and Applied Ecology IME; Branch for Bioresources and meetings of the participants from PU and TSU with colleagues of JLU
- 12:00 Lunch in a nearby university canteen
- 13:30 Meetings of the participants from PU and TSU with colleagues of JLU from the same or nearby scientific disciplines
- 19:00 Get together in “Lokal International” (Eichendorffring 111, 35394 Giessen) (<https://www.stwgi.de/internationales/lokal-international/>)

## **Wednesday, December 4**

**9:00 – 12:00**

***Workshop opening and introductory presentations***

***(IFZ, room B 202)***

- 9:00 Workshop opening
- 9:15 Karsten Klapp: One Health and related concepts and strategies: experiences and challenges on the Balkan Peninsula
- 9:45 Andreas Vilcinskis: Sustainable control of invasive mosquitos vectoring human pathogenic viruses
- 10:15 Coffee break
- 10:45 Sigrid Jost: The International Office of JLU: background, activities and perspectives for future cooperation
- 11:05 Rainer Waldhardt: The Center for International Development and Environmental Research (ZEU) of JLU: projects and approaches
- 11:25 Michael Knipper: EUPeace - European University for Peace, Justice, and Inclusive Societies” at JLU: background, activities and perspectives for future cooperation in the frame of the Research Hub Inclusive Health
- 11:45 Wrap up of the morning session
- 12:00 Lunch in a nearby university canteen

13:30 - 16:30:

*Presentations of workshop participants from veterinary medicine, ecotoxicology, nutritional sciences, and nursing education*

*(Chemistry building, room C 105)*

- 13:30 Franco Falcone: Cysticercosis as a prime example of the One Health Principle
- 13:50 Betim Xhekaj: One Health approach to Vector-Borne Diseases in Republic of Kosova
- 14:10 Peter Jedlička: Computer-based modelling in 3R animal welfare
- 14:30 Coffee break
- 15:00 Andre Heinrich: An ecotoxicological perspective on “One Health” vector control with antiparasitic drugs
- 15:20 Marigona Morina-Gashi: Evaluating the phytoremediation potential of *Miscanthus x giganteus* and the behavior of organochlorine pesticide compounds in legacy-contaminated and freshly-spiked soils
- 15:40 Anika Wagner: The impact of nutrition on One Health – test systems and methods
- 16:00 Rona Karahoda: Building a Resilient Health Ecosystem: Heimerer College’s Vision for One Health in Kosovo
- 16:20 Wrap up of the afternoon session
- 18:30 Visiting the Christmas Market in Giessen

#### **Thursday, December 5**

9:00 – 14:50:

*Presentations of workshop participants from agricultural, environmental and nutritional sciences*

*(IFZ, room B 202)*

- 9:00 Labinot Kryeziu: Insect farming in the context of circular economy and One Health
- 9:20 Hysen Bytyqi: Side-stream Emergence in Agriculture and Circular Economy: Challenges and Opportunities
- 9:40 Kaltrina Jusufi: The use of agricultural waste in water remediation
- 10:00 Coffee break
- 10:30 Rreze Gecaj: Irrigation water as a source of pathogenic bacterial contamination in fresh produce

- 10:50 Muhamet Zogaj: The content of heavy metals in soil and plants in Kosovo
- 11:10 Arben Mehmeti: Current state of pesticide in Kosovo
- 11:30 Wrap up of the morning session
- 12:00 Lunch in a nearby university canteen
- 13:30 Andreas Gattinger: Make the cows green again – the potential of circular livestock systems for One Health
- 13:50 Alltane Kryeziu: The effect of storage conditions on the quality properties of chicken eggs (recorded presentation)
- 14:10 Gesine Lühken: Selection for disease resistance in farm animals
- 14:30 Gunter Eckert: Clinical- and preclinical models for research on One Health
- 14:50 Coffee break
- 15:20 – 17:10:**  
*Presentations of workshop participants from human medicine*  
*(IFZ, room B 202)*
- 15:20 Lul Raka: Kosova's One Health framework: strengthening AMR control through intersectoral collaboration
- 15:40 Burim Neziri: Air pollution and nanoparticles as serious threats for One Health
- 16:00 Kreshnik Hoti: Leveraging artificial intelligence advances to combat antimicrobial resistance
- 16:20 Giorgi Chakhunashvili: The One Health Approach in Georgia
- 16:40 Ekaterine Jabidze: Building One Health Capacity: One Health Field Epidemiology Training Program in Georgia
- 17:00 Wrap up of the afternoon session

### **Friday, December 6**

- 9:00 Bus ride from Giessen to the FNU Research Centre for Environmental Research Neu-Ulrichstein, a platform for field research in the areas of ecotoxicology, environmental technology and protection, renewable energy and agriculture
- 10:00 Guided tour of the FNU facilities and presentation of projects
- 12:00 Joint lunch at FNU

**13:30 – 17:00:**

*Presentations of workshop participants: examples of integrative One Health research projects, and development of topics and approaches for joint research*

13:30 Klaus Peter Ebke: How can a realistic risk for our agricultural landscape be assessed through testing and how can it be communicated?

13:50 Sascha Johann: One Health education for sustainable development: A transdisciplinary teaching clinic approach for co-creation between science, school and teacher Education

14:10 Rolf Düring: Environmental impact of pharmaceuticals

14:30 Coffee break

15:00 Future joint One Health research and teaching of participants from PU, TSU, JLU, IME, FNU and KH: development of topics and approaches

17:00 Bus ride to Marburg city

17:30 Exploring Marburg city

## **Saturday, December 7**

**9:00 – 11:30:**

*Workshop outcomes and next steps  
(IFZ, room B 202)*

9:00 Future joint One Health research of participants from PU, TSU, JLU, IME, FNU and KH: workshop outcomes and next steps on the way to joint research proposals (IFZ, room B 202)

10:00 Coffee break

10:30 Wrap up of the workshop

11:30 Lunch in a nearby university canteen

13:22 Train journey to Frankfurt

14:00 Exploring Frankfurt city

Departure of participants from Georgia

## **Sunday, December 8**

Departure of participants from Kosovo

Venue:

IFZ Research Centre for Biosystems, Land Use and Nutrition of JLU, Heinrich-Buff-Ring 26-32, 35392 Giessen; <https://www.uni-giessen.de/en/faculties/research-centers/ifz/the-ifz>

Chemistry building of JLU, Heinrich-Buff-Ring 19, 35392 Giessen

FNU Centre for Environmental Research, Neu-Ulrichstein 5, 35315 Homberg (Ohm); <https://www.neu-ulrichstein.de/en/>

The Fraunhofer Institute for Molecular Biology and Applied Ecology IME; Branch for Bioresources, Ohlebergsweg 12, 35392 Giessen

and disciplinary meetings (December 3) in offices and laboratories of participating scientists from JLU

Contact:

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Please note:

We will take photos and short video clips during the “One Health Week”. Some of these media will be published on JLU's websites and JLU's social media channels and sent to the German Academic Exchange Service (DAAD) for a report on the “One Health Week”. At the beginning of the "One Health Week" we will ask the participants to sign a written permission for this.

Funding:

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List of participants:

<b>Name</b>	<b>Status</b>	<b>Scientific field</b>	<b>Institution</b>	<b>Email</b>
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Eckert, Gunter	professor	nutritional sciences, nutrition in prevention and therapies	JLU	eckert@uni-giessen.de
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Knipper, Michael	professor	human medicine, global health, migration and cultural studies in medicine	JLU	michael.knipper@uni-giessen.de
Kryeziu, Alltane (recorded)	professor	agricultural sciences, animal science	PU	alltane.kryeziu@uni-pr.edu
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	PhD student	ecology		
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FNU : Centre for Environmental Research Neu-Ulrichstein (Germany)

IME : Fraunhofer Institute for Molecular Biology and Applied Ecology, Branch for Bioresources (Germany)

JLU : Justus Liebig University Giessen (Germany)

KH : Kolegji Heimerer (Republic of Kosovo)

PU : Prishtina University "Hasan Prishtina" (Republic of Kosovo)

TSU : Ivane Javakhishvili Tbilisi State University (Republic of Georgia)