



**University of  
Zurich**<sup>UZH</sup>



**Institute of Parasitology**

**European Veterinary Parasitology College (EVPC)**

## **VIPs in Zurich**

**Very Important Parasites in Zurich – from fundamental to applied research**



6<sup>th</sup> – 12<sup>th</sup> September 2020

Continuing Education in Veterinary Parasitology for EVPC Diplomates and Residents

**Gold sponsor**



**Silver sponsor**



## **General Information**

**Course Organizers:** Manuela Schnyder, Hubertus Hertzberg, Ramon Eichenberger, Peter Deplazes

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**Venue:** Institute of Parasitology (IPZ), Vetsuisse Faculty, University of Zurich, Winterthurerstrasse 266a, 8057-Zurich, Switzerland.



### How to arrive:

#### Travelling by plane:

Zurich Airport (Zürich Flughafen) is located at 7 km from the venue, which can be reached by tram in about 30 min or taxi in about 15 min.

Travelling by tram from Zurich Airport: Take tram 10 (direction Zürich HB) until tram station “Milchbuck” (14 stops) and from there tram 7 (direction Stettbach) or tram 9 (direction Hirzenbach) to tram stop “Tierspital” (next stop).

#### Travelling by train:

Zurich main train station (Zurich HB, Hauptbahnhof) can be reached from abroad with connections from all over Europe. It is located at 4 km from the venue, which can be reached by tram or by taxi in about 15 min.

Travelling by tram from Zurich main train station: Take tram 7 (direction Stettbach) at tram stop “Bahnhofstrasse/HB” until tram stop “Tierspital” (11 stops).

#### Travelling by car

Zurich may be reached by car using existing major highways (National road tax), ensuring the shortest possible journey times. In the city or on the Campus parking is, however, severely limited and expensive; so you are encouraged to use public transportation.

Public transportation in Zurich (highly recommendable!)

<https://www.stadt-zuerich.ch/vbz/en/index/tickets.html>

<https://www.zuerich.com/en>



City of Zurich

**No participation fee** is asked.

In the course are included: **all lunches and coffee breaks as outlined in the program, including organised dinners**; field excursion; teaching and laboratory materials.

Not included in the course are: travel to and from Zurich, accommodation, breakfast, and public transport tickets in Zurich.

**Deadline for application:** 15 June 2020 (first come, first served)

**Language:** The official language will be English

**Number of participants:** maximum 10

**Participants selection:** Priority: 1. EVPC Residents, 2. EVPC Diplomates, 3. Other interested candidates.

### **Accommodation**

#### **Zurich Tourismus**

Zurich Tourismus can assist in bookings of your accommodation: <https://www.zuerich.com/de/suche>

Tel: +41 (0) 44 215 40 40

Also our secretaries will be happy to help you with the accommodation.

### **Other possibilities**

**Bed & Breakfast** in or around Zurich: <http://www.bnb.ch/>

**Youth hostels:** <http://www.youthhostel.ch/en/hostels/zurich>

**Accademia Apartments:** <http://www.accademia.li/>

A coffee bar in Zurich, **Kafi Schnaps**, offers 5 guestrooms: <https://www.kafischnaps.ch/en/hotel/hotel>

**Airbnb:** <https://www.airbnb.ch/>

**Couchsurfing:** <https://www.couchsurfing.com/>

**Single student rooms on the campus or in student residences and in private rooms may be available on request!**

## Goal of the course “Very Important Parasites in Zurich – from fundamental to applied research”

As advanced in the title, the course will cover a broad range of aspects reflecting the research performed at the Institute of Parasitology in Zurich (IPZ). We therefore will discuss and apply **epidemiological, pathological and ecological methods**, have an insight into **diagnostics**, apply and present the development of new diagnostic tools, experience **field work** and learn about ongoing **fundamental research** at the IPZ. We will deal with **helminths, protozoa and vectors** transmitting parasites, all relevant in veterinary medicine. Parasitic diseases of **carnivores, ruminants, horses and other animals**, as well as their **zoonotic** aspects will be treated.

### List of lecturers and assistants:

Peter Deplazes, Prof, Dr med vet, Dipl EVPC (PD)

Adrian Hehl, Prof, Dr, PhD (AH)

Alexander Mathis, Prof, Dr sc nat (AM)

Niels Verhulst, PhD (NV),

Eva Veronesi, PhD (EV)

Manuela Schnyder, Prof, Dr med vet, Dipl EVPC (MS)

Felix Grimm, Dr phil II (FG)

Walter Basso, Dr med vet, Dipl EVPC (WB) from Institute of Parasitology in Bern

Hubertus Hertzberg, Dr med vet, Dipl EVPC (HH)

Chandra Ramakrishnan, Dr, PhD (CR)

Lucienne Tritten, Dr, PhD (LT)

Daniel Hegglin, Dr, PhD (DH)

Sasa Stefanic, Dr med vet, PhD (SS)

Cristian Alvarez, PhD (Resident)

Nina Gillis-Germitsch, Dr med vet, PhD candidate (Resident)

Philipp Kronenberger, PhD candidate (Resident)

## Program

### Sunday 6<sup>th</sup> September

14:00 City tour (optional); 18:00 **Welcome Dinner**

### Monday 7<sup>th</sup> – Friday 11<sup>th</sup> September

**Practical Activities and lectures on the following topics:**

#### ***Cestodes - research and diagnostics***

Major cestodes - *Echinococcus multilocularis*; *E. granulosus*; *Taenia* spp.; epidemiology, ecology, hosts, clinics, diagnostics, research at IPZ, animal models, antigens, test development

Necropsy of foxes and rodents; recovery of parasites from fox intestine and environmental samples; microscopy

#### ***Lungworms of carnivores***

Epidemiology, hosts, clinics, diagnostics

Recovery of parasites, morphological identification

#### ***Protozoa as a model for fundamental research***

Introduction into Apicomplexa cell biology, protein trafficking, host-pathogen interactions of protozoa that are part of the research at IPZ.

#### ***Cyst-forming coccidian parasites in veterinary medicine: clinical, diagnostic and epidemiological aspects.***

Clinical, diagnostic and epidemiological aspects of giardiasis, toxoplasmosis, neosporosis besnoitiosis and sarcocystiosis in animals.

#### ***Management of gastrointestinal nematodes in ruminants and horses***

Epidemiology with focus on the (pre-) alpine region, pasture management, clinic, diagnostic, control measures (monitoring strategies), anthelmintic resistance

#### ***Vector Entomology***

Insect life cycle (mosquitoes, biting midges), invasive species, insect-borne-pathogens, morphological identification, vector competence, new tools for insect identification

Morphological insect identification, mosquito dissection and saliva collection, demonstration of insect vector trapping, breeding and feeding methods

#### ***Nanobodies: versatile tools for research, diagnostics and therapy***

#### ***Diagnostic laboratory***

Accreditation of a diagnostic laboratory, planning, quality management, standardization

The progress of the participants will be evaluated by a formal **Examination** and the **Diploma** will certify the **recognition as continuing education for residents of the EVPC.**

## **Saturday 12<sup>th</sup> September**

**8:30-16:00:** Optional for EVPC Residents: Study of IPZ specimen collection





