Curriculum Vitae (2022 October)

**First name:** Cintia

**Last name:** Horváth

# Education and Training

▪ **2018-2022: PhD student** at University of Agricultural Sciences and Veterinary Medicine of Cluj Napoca, Department of Parasitology and Parasitic Diseases
\**expected date of thesis defense 2022 October 28*

▪ **2015- 2017: “**Babeș- Bolyai” University, Faculty of Biology and Geology, ***MSc degree*** in Medical Biology: "Prevalence and spread of the *Dirofilaria immitis* and *Dirofilaria repens* in mosquito communities (*Insecta, Diptera, Culicidae*) in the Danube Delta"

▪ **2012- 2015: “**Babeș- Bolyai” University, Faculty of Biology and Geology, ***BSc degree*** in Biology: *"*Biodiversity research on the the mosquito communities (*Culicidae, Diptera*) in Danube Delta and an evaluation of the species from a medical point of view*"*

# Conferences & Workshops

* **Transylvanian Conference of Scientific Students’ Associations (ETDK), Cluj-Napoca (Romania),**

Oral presentation: "Biodiversity research on the mosquito communities (*Culicidae, Diptera*) in Danube Delta and an evaluation of the species from a medical point of view", 18th edition of the Conference, from 21th to 24th of May 2015

* **International Conference on Molecular Biology: Current Aspects and Prospects, Cluj-Napoca (Romania),**

Participant, from 6th to 8th November, 2015

* **First Annual Conference on *Aedes* Invasive Mosquitoes (AIM-COST Action TD17108), Athens (Greece),**

Participant, from 13th- 14th of February 2019

* **The 15th International Conference of Trichinellosis Cluj-Napoca (Romania),**

Part of the organizing committee, from 26th to 30th of August 2019

* **Gestione del controllo dei Culicidi, Ravenna (Italy),**

Participant, from 21th- 22nd of November 2019

* **The 19th International Conference ”Life Sciences for Sustainable Development”, Cluj-Napoca (Romania),**
Poster presentation: “The invasive Asian tiger mosquito *Aedes albopictus* in Romania: towards a country-wide colonization?”, from 24th–25th of September 2020
* **“Biology Days in Cluj-Napoca”, 21th edition, Cluj-Napoca (Romania),**

Oral presentation: “An update on the invasive mosquito species in Romania: the established populations of the tiger mosquito and the emergence of the Asian bush mosquito”, from 16th- 17th of April 2021

* **Third Annual Conference on Aedes Invasive Mosquitoes (AIM-COST Action TD17108), Istanbul (Turkey),**

Oral presentation: “The emergence of the Asian bush mosquito, *Aedes japonicus japonicus*, and an update on the established populations of Aedes albopictus in Romania”, from 2nd- 3rd of September 2021

“Novel PCR-based genotyping approach allows to map the spread of pyrethroid resistance in *Aedes albopictus* across Europe”, presented by Pichler V.

* **The 19th International Conference ”Life Sciences for Sustainable Development”, Cluj-Napoca (Romania),**

Oral presentation: “Emergence of the invasive *Aedes japonicus japonicus* (Diptera: Culicidae) in an urban area, Romania”, from 23rd- 24th of September 2021

* **Workshop on “AIMSurv data 2020-21 and activities for 2022”**

Participant, Virtual Workshop (Organizers: Miguel A. Miranda & Carlos Barceló (UIB)), from14th and 15th of March 2022

* **"Communication and outreach approaches for Citizen Science community engagement in AIM monitoring, surveillance and control"**

Participant, Virtual Workshop (Organizers: Jolyon Medlock, Willy Wint, Filiz Gunay, Alex Vaux) 5th of April 2022

* **“Biology Days in Cluj-Napoca”, 22st edition, Cluj-Napoca (Romania),**

Oral presentation: “Molecular phylogeny and fragment analysis of kdr mutations V1016G/ F1534C of the invasive *Aedes albopictus* from Romania”, from 8th- 9th of April 2022

* **5th International Workshop on *Aedes albopictus*: the Asian tiger mosquito Montpellier, France,**

Poster: “Molecular survey of the F1534C knockdown mutation in *Aedes albopictus* from Europe” (Valadas V, Pichler V, Horvath C, Akiner M, Castro A, Capinha C, Caputo B, della Torre A, Schaffner F and Pinto J), from 11th-13th of May 2022

* **Role of entomology in the fight against vector-borne diseases (VECTORNET, EFSA), Cluj-Napoca (Romania)**

Trainer, 21th-23rd of September 2022, University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca

**Scholarships and Grants Abroad**

* Scholarship at the “Balassi Institute”, 2013-2014 academic year;
* Trainee in STSM (Short Term Scientific Mission, WG1), COST Action TD17108, from 28th of January to 8th of February 2019, „Basic taxonomy for species identification of mosquitoes and maintenance of laboratory breeding mosquito colonies”, University of Novi Sad, Novi Sad, Serbia;
* Trainee, Infravec2 action, from 4th of November to 22nd of November 2019, “Laboratory maintenance of *Aedes albopictus* colonies for Sterile Insect Technique”, C.A.A. “Giorgio Nicoli”, Crevalcore, Italy;
* Trainee, AIM COST Action CA17108, from 13th of January to 17th of January 2020, “Harmonizing *Aedes* Invasive Mosquito (AIM) surveillance across Europe”, Akrotiri, Cyprus;
* Scholarship at the Eötvös Loránd University, “For foreign higher education students”, 2019-2020 academic year;
* Scholarship at the Sapientia Hungariae Foundation’s “Collegium Talentum programme”, 2020-2021 academic year;
* Erasmus+ Placement at "Institute of Hygiene and Tropical Medicine" Lisbon, Portugal, from 1st of November to 30th of December, 2020;
* Trainee in STSM (Short Term Scientific Mission, WG1), COST Action TD17108, from 03rd of May to 21th of May 2021, „Microsatellite-based population analysis of Aedes albopictus (Diptera: Culicidae) from Romania”, at "Institute of Hygiene and Tropical Medicine" Lisbon, Portugal;
* Fellowship at International Atomic Energy Agency (IAEA) (TC RER5026), from 13th of September to 24th of September, “Quality Assessment of Sterile Insect Technique (SIT) and Conventional Control Measures in the Field Conditions”, Valencia, Spain;
* Scholarship at the Sapientia Hungariae Foundation’s “Collegium Talentum programme”, 2021-2022 academic year;

# Studies Abroad

* Eötvös Loránd University, Faculty of Natural Sciences in Budapest, from 4th of March 2014- to 4th of April 2014;

# Team member in research projects

* January 2020 PCCDI-2017-0005: "One Health" multidisciplinary platform for the study of neglected and re-emergent vectorial transmitted diseases (2017-2020) financed by UEFISCDI, Programme 1 – Developing CD; Subprogram 1.2 Institutional Performance (Research Assistant).

# Field Practice

July 2013, 7 days of field practice at the Danube Delta, organized by the Department of Biology and Ecology, Cluj-Napoca (Romania)

July 2013, 7 days of field practice at Senetea, Harghita County, organized by the Department of Biology and Ecology, Cluj-Napoca (Romania)

August 2013, 14 days of field practice in the Rodna Mountains, Hăşmaşul Mare, Rarău Mountains, Ceahlău Mountains (Romania)

March 2013, field practice at the Hungarian Natural History Museum, Budapest
April 2014, 4 days of field practice at Bobald, Satu Mare County (Bird Ringing)

June 2014, 7 days of field practice at Doda Pilii, organized by the Department of Biology and Ecology, Cluj-Napoca (Romania)

April- May 2015, 10 days of field practice in Albania, and Serbia, organized by the Department of Biology and Ecology, Cluj-Napoca (Romania)

August 2015, 7 of days field practice / volunteering in Chituc, Constanta County (Bird Ringing, organized by Milvus Group)

October 2016, 7 of days field practice / volunteering in Chituc, Constanta County (Bird Ringing, organized by Milvus Group)

November- December 2016, 15 days of practice at the Infectious Diseases Hospital in Cluj Napoca

January- March 2017, 20 days of practice at the Recovery Hospital in Cluj Napoca

August 2017, 7 days of field practice / volunteering in Chituc, Constanta County (Bird Ringing, organized by Milvus Group)

April 2019, 14 days sampling at Agigea, Constanța county (Bird Ringing, organized by Romanian Ornithological Society -SOR)

June 2019, 3 weeks of fieldwork in Zambelici and Radovici (Montenegro). Testing flight capacity and longevity at SIT treated Aedes albopictus males

July 2019, 4 days collecting samples in Dobrogea (Romania)

August 2019, 7 days of collecting samples and volunteering in Chituc, Constanta County (Bird Ringing, organized by Milvus Group)

September 2019, 14 days of sampling at Agigea, Constanța county (Bird Ringing, organized by Romanian Ornithological Society -SOR)

May 2020, 4 days collecting samples in Dobrogea (Romania)

July-September 2020, three months of sampling invasive mosquito species under the AIM COST action “Harmonised surveillance of Aedes Invasive Mosquitoes throughout season 2020” at a local international airport in Cluj-Napoca, Romania

August 2020, 4 days collecting samples in Arad, Timișoara, Satu Mare and Baia Mare

September 2020, 7 days of field practice / volunteering in Chituc, Constanta County (Bird Ringing, organized by Milvus Group)

September 2020, 2 weeks collecting samples in Dobrogea (Romania)

June 2021, 2 days of collecting samples (bovine tissue, blood, eye filaria) at a slaughterhouse in Botosani, Romania

July- September 2021 three months of sampling invasive mosquito species under the AIM COST action “Harmonised surveillance of Aedes Invasive Mosquitoes throughout season 2020” at a local international airport in Cluj-Napoca, and at the USAMV campus Cluj-Napoca, Romania

September 2021, 2 weeks of sampling invasive mosquito species and implementing control methods at “Quality Assessment of Sterile Insect Technique (SIT) and Conventional Control Measures in the Field Conditions”, Valencia, Spain;

# Publications:

* Török, E., Tomazatos, A., Cadar, D., Horváth, C., Keresztes, L., Jansen, S., ... & Jöst, H. (2016). *Pilot longitudinal mosquito surveillance study in the Danube Delta Biosphere Reserve and the first reports of Anopheles algeriensis Theobald, 1903 and Aedes hungaricus Mihályi, 1955 for Romania.* Parasites & vectors, 9(1), 196.
* Tomazatos, A., Cadar, D., Török, E., Maranda, I., Horváth, C., Keresztes, L., ... & Tannich, E. (2018). *Circulation of Dirofilaria immitis and Dirofilaria repens in the Danube Delta Biosphere Reserve, Romania.* Parasites & vectors, 11(1), 392.
* Tomazatos, A., Jansen, S., Pfister, S., Török, E., Maranda, I., Horváth, C., ... & Schmidt-Chanasit, J. (2019). *Ecology of West Nile Virus in the Danube Delta, Romania: Phylogeography, Xenosurveillance and Mosquito Host-Feeding Patterns*. Viruses, 11(12), 1159.
* Fălcuţă, E., Prioteasa, F., L., Horváth, C., Păstrav, I., R., Schaffner, F., Mihalca, A., D. (2020). *The invasive Asian tiger mosquito Aedes albopictus in Romania: towards a country-wide colonization?* Parasitology Research, 119, 841-845 <https://doi.org/10.1007/s00436-020-06620-8>
* Cazan, C., D., Păstrav, I., R., Horváth, C. (2020). *Seasonal dynamics of mosquitoes in a large urban area of Transylvania, Romania*. Sci Parasitol 21(3):86-93, ISSN 1582-1366
* Horváth, C., Cazan, C., D., and Mihalca, A., D. (2021)*. Emergence of the invasive Asian bush mosquito, Aedes (Finlaya) japonicus japonicus, in an urban area, Romania*. Parasites & vectors, 14, 192.
* Cazan, C., D., Horváth, C., Panait, L., C., Porea, D., Marinov, M., Alexe, V., Mihalca, A., D. (2021). *Seasonality of sand flies (Diptera: Psychodidae) in cave microhabitats and the rediscovery of Sergentomyia minuta (Rondani, 1843) after fifty years.* Parasites & Vectors, 14, 476.
* Miranda, M. Á., Barceló, C., Arnoldi, D., Augsten, X., Bakran-Lebl, K., Balatsos, G., ... & Yildirim, B. (2022). *AIMSurv: First pan-European harmonized surveillance of Aedes invasive mosquito species of relevance for human vector-borne diseases*. Gigabyte, 2022, 1-11.
* Južnič-Zonta, Ž., Sanpera-Calbet, I., Eritja, R., Palmer, J. R., Escobar, A., Garriga, J., ... & Zittra, C. (2022). *Mosquito alert: leveraging citizen science to create a GBIF mosquito occurrence dataset*. Gigabyte, 2022, 1-11.
* *Pichler, V., Caputo, B., Valadas, V., Micocci, M., Horváth, C., Virgillito, C., Aim-Cost Network Members, Arbomonitor Project Members, Schaffner, F., Pinto, J., della Torre, A. (2022). Geographic distribution of the V1016G knockdown resistance mutation in Aedes albopictus: a warning bell for Europe*
* *\*In prep:*

*Valadas, V., Pichler, V., Horvath, C., Akiner, M., Castro, A., Capinha, C., Caputo, B., della Torre, A., Schaffner, F. and Pinto, J. (2022). Molecular survey of the F1534C knockdown mutation in Aedes albopictus from Europe*

* *\*In prep:*

*Horváth, C., Valadas, V., Mihalca, A.,D., Pinto, J. (2022). Microsatellite typing of the invasive Aedes albopictus (Diptera: Culicidae) populations from Romania*

* *\*In prep:*

*Balmoș, O., M., Supeanu, A., Tamba, P., Horváth, C., Panait, L., C., Cazan, C., D., Ungur, A., Motiu, M., Manita, F., A., Ancuceanu, B., C., Bărbuceanu, F., Dhollander, S., Mihalca, A., D. 2022. African Swine Fever Virus load in hematophagous dipterans collected in outbreaks from Romania: risk factors and implications. Transboundary and Emerging Diseases*

# Personal Skills

**Mother tongue:** Hungarian

**Other languages:** Romanian, English, German

**Computer skills:** Certificate in Computer Sciences (TIC) 2012;

Computer skills and competences: Windows, Linux, Microsoft Office Word, Microsoft Office Excel, Microsoft Office PowerPoint, PhotoShop, Internet Explorer, Google Chrome, Firefox, Adobe, Statistics and bioinformatics software competences: C++, R, R Studio, MEGA-X, Clustal, Mendeley, QGIS, SPSS, BioEdit, Genemapper, Genepop, GeneMarker, F-Stat, GeneClass.