



**Csilla Zambori**  
**Biomedical research  
scientist/PhD**

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Date of birth: 14.03.1982

### Skills

#### **Technical skills**

- Project management
- Research laboratory experience
- Writing scientific papers and EU projects
- Experience in national and international workshops and presentations
- Experience in innovative technological processes
- Microsoft Office™

#### **Soft skills**

- Good ability to adapt to multicultural environments
- Good communication skills
- Strategic Planning
- Analytical Decision-Making
- Teamwork

### LANGUAGES

Romanian (native), English (C2), French (B2), Hungarian (B2), German (A2)

### CERTIFICATES

#### **Animaform, Paris, France 2022 -2023**

Certificate in Laboratory Animal Sciences: training individuals in the application of experimental procedures – rodents and lagomorphs, 3Rs;

**Other certificates:** Influence of environmental parameters on laboratory animals; management of rodent breeding; communication regarding animal experimentation; assessment of biological risks in animal facilities A2/A3; biological risk for aquatic species;

Immunology, Microbiology certificates

### PROFILE

Biomedical research scientist with a multidisciplinary background (immunology, microbiology), experience in both research and teaching, and expertise in the fields of human and animal health. Experienced in managing EU-funded projects at the European Institute of Innovation and Technology (EIT) on topics such as Health, Food, Environment, Innovation, and Sustainability.

### EMPLOYMENT HISTORY

**Center for Gene and Cellular Therapies in the Treatment of Cancer (OncoGen), Department of Cellular Biology/ Immunology, Emergency Clinical County Hospital "Pius Branzeu", Timișoara, Romania**

- **Research scientist (February 2017 —)**

Design and execution of preclinical studies. Coordination of preclinical studies: data review and interpretation, communication and follow-up of results, report writing. Cross-functional work and collaboration with external partners (Experimental Transfusion Medicine, Dr. Torsten Tonn, Dresden, Germany). Responsible veterinary experimental unit.

#### **Projects**

##### **Bioeconomic Approach to Antimicrobial Agents – Use and Resistance (BIO-AMR)™**

- A study on the presence, characteristics, and substrate molecules involved in biofilm resistance to antimicrobial agents, and the testing of several strategies to combat it; analysis of new antimicrobial strategies to prevent biofilm formation.

**“Chimeric Antigen Receptor–Targeted Onco-Immunotherapy with Natural Killer Cells (CAR-NK)”,** in collaboration with the Institute of Experimental Transfusion Medicine, Dresden, Germany

- Sorting of T cells, B cells, and NK-92 cells; cell culture; analysis of cytotoxic agents on different tumor cell lines; microscopic evaluation; cellular analysis.

#### **Animalliance, Paris, France**

- **Consultant - pioneer – study (November 2022 — April 2023)**

Laboratory animal care program and ensuring animal welfare within preclinical studies. Participation in the ethical evaluation of experimental projects. Assistance with the drafting of projects and scientific procedures, and support in the ethical implementation of experimental procedures.

**University of Medicine and Pharmacy “Victor Babes” Department III of Functional Sciences (Immunology), Timișoara, Romania**

- **Immunology Assistant Professor (July 2014 —)**

**“Victor Babes” National Institute of Research and Development in Pathology domain and Biomedical Sciences, Bucharest, Romania**

- **Postdoctoral researcher in Microbiology/Immunology (May 2014 — December 2015)**

**Banat’s University of Agricultural Sciences and Veterinary Medicine, Timișoara, Romania**

- **Coordinator for Animal Experimental Unit (September 2010 — September 2013)**

**Veterinary clinic Dr. Szoke Emeric and Veterinary clinic Dr. Wili Glaser, Arad, Romania**

- **Veterinarian (September 2007 — January 2011)**

### EDUCATION

**University of Hull, Kingston, UK**

- **PG certificate - Healthcare leadership (January 2023 — May 2024)**

**Banat’s University of Agricultural Sciences and Veterinary Medicine, Department of Immunology and Microbiology, Timișoara, Romania**

- **PhD in Biomedical Sciences/ Microbiology (October 2010 — September 2013)**
- **Master in Epidemiology and Hygiene (September 2007 — July 2009)**
- **Bachelor’s degree (DVM) – Doctor in veterinary medicine (September 2001 - July 2007)**

## LEADERSHIP AND EUROPEAN PROJECTS

- **Member Pioneer** of the program "Climate KIC Pioneer into practice" - European Institute of Innovation and Technology – EIT (April 2015 - December 2015)
- **Member** of EIT Climate-KIC Accelerator (April 2016 – December 2017)
- **Coach** for the program "Climate KIC Pioneer into practice" – European Institute of Innovation and Technology – EIT (April 2016 – December 2019)

## SCIENTIFIC PUBLICATIONS

- **Zambori, C.,** Tîrziu, E., Nichita, I., Cumpănășoiu, C., Gros, R.V., Sereș, M., Mladin, B., Moț, D. 2012. Biofilm implication in oral diseases of dogs and cats. *Anim Sci Biotechnol.* 45(2):208–212.
- Cumpănășoiu, B., Tîrziu, E., Cumpănășoiu, C., Sereș, M., **Zambori, C.** 2012. Tumours of the avian immune system. *Lucr Șt Med. Vet.* XLV (2):55–61.
- Lazăr, R., Tîrziu, E., Nichita, I., Cumpănășoiu, C., Gros, R.V., **Zambori, C.** 2012. Salmonella genus monographic study. *Lucr Șt Med. Vet.* XLV (2):20–29.
- Mladin, B.D., Tîrziu, E., **Zambori, C.,** Bicheru, S., Ionescu, L., Popescu, D., Dumitrescu, G., Caplan, I., Ordeanu, V., Neçulescu, M. 2013. Modern method - Microflex LT 20 equipment – used for the identification and characterization of bacteria and fungi. *Lucr Șt Med. Vet.* XLVI (2):80–87.
- **Zambori, C.,** Cumpănășoiu, C., Mladin, B., Tîrziu, E. 2013. Biofilms in oral cavity of dogs and implication in zoonotic infections. *Anim Sci Biotechnol.* 46(1):155–158.
- **Zambori, C.,** Fodor, L., Sárközi, R., Sala, C., Mladin, B., Nichita, I., Tîrziu, E. 2013. Antimicrobial susceptibility of biofilm forming bacteria from oral cavity in dogs. *Lucr Șt Med Vet.* XLVI (2):144–150.
- **Zambori, C.,** Fodor, L., Morar, A., Nichita, I., Gros, R.V., Tîrziu, E. 2013. Identification and characterization of biofilm forming bacteria in oral cavity of dogs. *Lucr Șt Med Vet.* XLVI (2):151–155.
- **Zambori, C.,** Cumpănășoiu, C., Moț, D., Huțu, I., Gurban, C., Tîrziu, E. 2014. The antimicrobial role of probiotics in the oral cavity in humans and dogs. *Anim Sci Biotechnol.* 47(1):126–130.
- **Zambori, C.,** Cumpănășoiu, C., Huțu, I., Liker, M., Gurban, C., Tîrziu, E. 2014. The pathogenic microflora and microbial interactions in oral cavity in dogs. *Anim Sci Biotechnol.* 47(1):131–134.
- **Zambori, C.,** Morvay, A.A., Gurban, C., Liker, M., Tanasie, G., Colibar, O., Cumpănășoiu, C., Șonea, C.G., Șonea, A.C., Tîrziu, E. 2015. Biofilm formation of *Staphylococcus*, *Streptococcus*, *Pasteurella* and *Neisseria* strains. *Rom Biotechnol Lett.* 20(4):10718–10726.
- **Zambori, C.,** Morvay, A.A., Paunescu, V. 2015. Different culturing methods for cardiomyocytes proliferation and differentiation and for other cell lines used in cardiac repair and recellularization. First Euroregional Conference for PhD students and young researchers in biomedicine. Abstract, p.12.
- **Zambori, C.,** Morvay, A.A., Cristea, M., Tîrziu, E., Păunescu, V. 2015. Pluripotent stem cells for cardiac repair and recellularization. *Lucr St Med Vet.* Vol. XLVIII (1): 203 – 218.
- Citu, I.M., Borcan, F., **Zambori, C.,** Tita, B., Păunescu, V., Ardelean, S. 2015. Influence of crosslinking agent-chain extender ratio on the properties of hyperbranched polyurethane structures used as dendritic drug carrier. *Rev Chim.* 66(1):119–123.
- Citu, I.M., Toma, C., Trandafirescu, C., Antal, D., **Zambori, C.,** Oprean, C., Bojin, F., Borcan, F., Păunescu, V., Lazureanu, V. 2015. Preparation and characterization of a polyurethane nanocarrier used for mixtures of betulin and fatty acids. *Rev Chim.* 66(3):431–437.
- Morvay, A.A., **Zambori, C.,** Păunescu, V. 2015. Whole organ decellularization: methods, achievements and challenges. First Euroregional Conference for PhD students and young researchers in biomedicine. Abstract.

- Morvay, A.A., **Zambori, C.**, Ordodi, V., Tîrziu, E., Păunescu, V. 2015. Methods and procedures for heart decellularization. *Lucr. Șt. Med. Vet.* Vol. XLVIII (1).
- Sereș, M., Nichita, I., Cumpănășoiu, C., Moț, D., Gros, R.V., Hotea, I., **Zambori, C.**, Tîrziu, E. 2015. Attempt to induce immunological tolerance in chicken embryos using inoculation of allogeneic cells into chorioallantoic vessels. *Lucr Șt Med Vet.* XLVIII:205–212.
- Tîrziu, E., Liker, M., Nichita, I., Sala, C., Colibar, O., Cumpănășoiu, C., Moț, D., Gros, R.V., **Zambori, C.**, Sereș, M. 2015. Research regarding immunosuppression induced by T-2 toxin. *Lucr Șt Med Vet.* XLVIII:223–230.
- Liker, M., **Zambori, C.** 2016. Microbial biofilms – a challenge for modern medicine. *Romanian Journal of Laboratory Medicine.* Vol. 24 (Suppl 1).
- Oprean, C., **Zambori, C.**, Borcan, F., Soica, C., Zupko, I., Minorics, R., Bojin, F., Ambrus, R., Muntean, D., Danciu, C., Pinzaru, I.A., Dehelean, C., Păunescu, V., Tanasie, G. 2016. Anti-proliferative and antibacterial in vitro evaluation of polyurethane nanostructures incorporating pentacyclic triterpenes. *Pharm Biol.* 54 (11): 2714-2722.
- Gurban, C.V., Suciuc, O., Vlaia, L., Gotia, L.S., Cornianu, M., **Zambori, C.**, Motoc, M., Vlaia, V., Velea, I., Pricop, M. 2016. Inflammatory markers from crevicular fluid in periodontal disease. *Rev Chim.* 67(10):1952–1956.
- **Zambori, C.**, Morvay, A.A., Sala, C., Licker, M., Gurban, C., Tanasie, G., Tîrziu, E. 2016. Antimicrobial effect of probiotics on bacterial species from dental plaque. *Journal of infection in developing countries.*10(3):214–221.
- Licker, M., Moldovan, R., Hogeia, E., Muntean, D., Horhat, F., Baditoiu, L., Rogobete, A.F., Tîrziu, E., **Zambori, C.** 2017. Microbial biofilm in human health – an updated theoretical and practical insight. *Rom J Lab Med.* 25(1):9–26.
- Tîrziu, E., Nichita, I., Liker, M., Horhat, G.F., **Zambori, C.**, Gros, R.V., Morar, A., Cucerzan, A., Imre, K. 2017. Molecular characterization of some Salmonella strains isolated from meat and meat products using PCR. *Lucr Șt Med Vet.* 50(4):153–160.
- **Zambori, C.**, Tatu, C., Tanasie, G., Kiss, B., Panaitescu, C. 2019. Identification and characterization of planktonic microorganisms isolated from intrahospital infections. *Physiology.* Suppl 1:50.
- **Zambori, C.**, Tatu, C., Tanasie, G., Kiss, B., Panaitescu, C. 2019. Mono and dual-biofilm formation of *Staphylococcus aureus* and *Escherichia coli* species from different human biological samples. *Physiology.* Suppl 1:49.
- Kis, B., **Zambori, C.**, Tanasie, G., Panaitescu, C., Păunescu, V., Danciu, C. 2019. The antibiotics war: combating mono- and polymicrobial biofilm formation. *Sesiunea Științifică a Școlii Doctorale, UMFT.*
- Drăghia, L.P., Lukinich-Gruia, A.T., **Zambori, C.**, Tatu, C., Tănăsie, G., Tatu, C.A., Păunescu, V., Campíns-Falcó, P., Moliner-Martínez, Y. 2020. Development of a miniaturized method for estimating aristolochic acid I (AAI) in environmental samples. *Physiology.* 30(2):92–101.
- Olteanu, G.E., Crisnic, D., Grijincu, M., Zbarcea, L.E., Cristea, M., **Zambori, C.**, Ivan, A., Bojin, F., Gavriliuc, O., Nedea, E., Păunescu, V. 2020. Assessment of cell culture media variation inducing cytokine secretion in PBMCs, CD3+, and CD8+ immune cells. *Physiology.* 30.2(100):50–58.
- Gașpar, C.M., Kis, B., Tatu, C., Panaitescu, C., **Zambori, C.**, Simina, A.G., Tulcan, C., Huțu, I., Vlad, D.C., Păunescu, V., Tănăsie, G. 2021. Evaluation of the ability of some multidrug resistant bacterial strains to form biofilms. *Physiology.* 31(2):11–17.