

Germán Alfredo Gutiérrez Liberato

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

2022 – Now Nature Research Centre, Vilnius, Lithuania. Ph.D. Student
Thesis topic: Insights into the biology of neglected apicomplexan non-pigmented bird blood parasites of the families Lankesterellidae and Leucocytozoidae

2018 – 2022 National University of Colombia, Bogotá, Colombia. Master's degree, M.Sc. in Infections and health in the tropics.
Thesis topic: Analysis of biological relationships in the hemoparasite-chelonian model in Colombia.

2010 – 2016 National University of Colombia, Bogotá, Colombia. Bachelor's degree, Biologist.
Thesis topic: Blood parasites in some reptiles from the locality of Yondó, Antioquia, Colombia.

PROFESSIONAL EXPERIENCE

2022 08 – 2022 12 **Professor**
Professor at Universidad Internacional del Trópico Americano/ Yopal, Colombia

2020 12 – 2022 12 **Researcher**
Researcher at Universidad Internacional del Trópico Americano/ Yopal, Colombia

2020 05 – 2020 11 **Researcher**
Researcher associated to the SARS-CoV-2 diagnostic laboratory/ Max Planck/ National University of Colombia / Bogota, Colombia

2018 06 – 2020 04 **Researcher**
Researcher associated to “Grupo de Estudio Relación Parásito-Hospedero (GERPH)”/ National University of Colombia / Bogota, Colombia

RESEARCH INTERESTS

During my undergraduate and master studies, I have been interested in the knowledge about the morphological and molecular diagnosis of haemoparasites mainly in reptiles, amphibians, and birds. Additionally, phylogenetic relationships of distinct groups of haemoparasites in these hosts and, the development of methodological approaches for molecular diagnosis.

Parasitology, Molecular biology, Ornithology, Herpetology

PUBLICATIONS

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science“ database (with citation index):

1. **Gutiérrez-Liberato, Germán A.**, Lotta-Arévalo, I.A., Rodríguez-Almonacid, C.C., Vargas-Ramírez, M., Matta, N.E., 2021. Molecular and morphological description of the first *Hepatozoon* (Apicomplexa: Hepatozoidae) species infecting a neotropical turtle, with an approach to its phylogenetic relationships. *Parasitology*. 148. 747 - 759 DOI: 10.1017/S0031182021000184
2. **Gutiérrez-Liberato, Germán A.**, Lotta-Arévalo, I.A., González, L.P., Vargas-Ramírez, M., Rodríguez-Fandiño, O., Cepeda, A.S., Ortiz-Moreno, M.L., Matta, N.E., 2021. The genetic and morphological diversity of *Haemogregarina* infecting turtles in Colombia: Are mitochondrial markers useful as barcodes for these parasites? *Infect. Genet. Evol.* 95, 105040. DOI: 10.1016/j.meegid.2021.105040

Scientific articles published in conference proceedings, indexed in „Clarivate Analytics Web of Science“ database:

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science“ database (without citation index):

Other reviewed scientific publications (books, books' chapters, collections of articles, articles, textbooks and etc.):

1. Román Jitdutjaño, Ó.R., Jiménez Maldonado, A.D., Román Tiquidimas, J.D., Román Sánchez, I., Suárez Mayorga, Á.M., **Gutiérrez-Liberato, G.A.**, Jiménez Ramírez, J.S., Briceño Zea, J.S., Valdivieso Beltrán, N.E., González Galindo, A.D., Gutiérrez Delgado, H.R., Vargas-Ramírez, M., Calderón Espinosa, M.L., Matta Camacho, N.E., Montenegro Díaz, O.L., 2019. Guías etnobiológicas de Colombia: ARA KUARA UA, 1st ed. Universidad Nacional de Colombia, Bogotá.

Reviewed scientific articles, published in Lithuania:

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

July 2022- Now.	Research for the advancement of knowledge and development of regional capacities in the surveillance of potentially pathogenic agents of risk for the population of Casanare.
2020 – 2022.	Biodiversity of haemoparasites in the flooded savannas of Casanare: morphological and molecular characterisation of parasites of herps, birds and mammals.
2020 – 2021.	Strengthening the installed capacities of Science and Technology of the Unitrónico and UNAL universities to address problems associated with biological agents of high risk to human health in the department of Casanare.
2019 – 2020.	Haematological and biochemical changes in turtles of the species <i>Podocnemis vogli</i> infected with blood parasites.
2018 – 2019.	Hemoparasites associated with Colombian herpetofauna: Relevant aspects for their conservation.

2016. Assessment of the secondary immune response of campus birds: Determination of IgY immunoglobulin titre by Elisa assay. / Development of techniques for experimental infection and maintenance of insects in captivity under semi-field conditions.
2015. Trial study for the assessment of the immune response in some species of birds present on the campus of the National University of Colombia.

INTERNSHIP AND TRAINING

2019 - An introduction to statistical data processing using R and Excel

2018 - Principles of basic immunology and their clinical application

2017 - Biodiversity: Education, research and outreach for tomorrow.

2014 - Science Writing Workshop

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. 2022. 5th International Conference for Malaria and Related Haemosporidian Parasites of Wildlife, Bielefeld, Germany.
2. 2021. SEMINARIO APICOMPLEXOS (Virtual), Brasilia, Brazil.
3. 2019. 5th Bogota Microbial Meeting BoMM, Bogotá, Colombia.
4. 2018. 4th International Conference on Malaria and Related Haemosporidian Parasites of Wildlife, Beijing, China/ 5th Colombian Zoology Congress, Bogotá, Colombia.
5. 2017. First International Congress of Science, Technology and Innovation of the Americas, Bogotá, Colombia.
6. 2016. Biology Degree Projects Symposium 2016-II, Bogotá, Colombia/ Molecular data as a tool for increasing knowledge and conservation of biological diversity, Bogotá, Colombia.
7. 2015. Neotropical Ornithological Congress, Manaus, Brazil.
8. 2014. 4th Colombian Zoology Congress, Cartagena, Colombia.

PARTICIPATION IN THE STUDY PROCESS

Supervision of PhD students:

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Scientific consultant:

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Supervision of bachelor and master students:

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OTHERS

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