

## PERSONAL INFORMATION

**Marta Giovanetti**✉ [m.giovanetti@unicampus.it](mailto:m.giovanetti@unicampus.it)

Sex Female | Date of birth 27/07/1988 | Nationality Italian

## WORK EXPERIENCE

- Associate Professor 05/BIOS-15 - Microbiology**  
(2025 - to today) **Università Campus Bio-Medico di Roma, Rome, Italy**  
Microbiology, Virology, Genomic surveillance, metagenomics
- Visiting Researcher**  
(2021 to today) **Oswaldo Cruz Foundation Rio de Janeiro, Brazil**  
Genomic Surveillance; Next-Generation-Sequencing. Metagenomics
- Researcher RTD-A 05/BIOS-15 - Microbiology**  
(2021-2025) **Università Campus Bio-Medico di Roma, Rome, Italy**  
Microbiology, Virology, Genomic surveillance, metagenomics
- International consultant professional (ICP)**  
(2020 - 2020) **Pan-American Health Organization / World Health Organization (PAHO/WHO)**  
Genomic Surveillance
- Visiting Research Fellow**  
(2020-2020) **Bioinformatics Centre of the KwaZulu-Natal Research Innovation and Sequencing Platform (KRISP), at University of KwaZulu-Natal, South Africa**  
Viral discovery by Metagenomics, Bioinformatics
- Visiting Research Fellow**  
(2019-2019) **Katholieke Universiteit Leuven, Belgium**  
Viral discovery by Metagenomics, Bioinformatics
- Visiting Research Fellow**  
(2018 -2018) **Department of Zoology, University of Oxford, United Kingdom**  
Phylogenetic, Phylodynamic and Phylogeographic Inference
- Post-Doctoral Fellow**  
(2017-2021) **Oswaldo Cruz Foundation Rio de Janeiro, Brazil**  
Genomic Surveillance; Next-Generation-Sequencing. Metagenomics
- Research Fellow**  
(2012-2013) **Spallanzani Hospital, Rome**

Development of a rapid test for the timely diagnosis of HIV

#### Research Fellow

(2011-2012) National Institute of Health (ISS), Rome, Italy, Infectious Diseases Department  
Sequencing; Viral evolution

## EDUCATION AND TRAINING

2021 National Qualification as Associate Professor Sector 05/B1-BIOS-15 - Microbiology

2020 Professional Certification for Practicing as a Biologist  
National Order of Biologists

#### Post-Doc

(2017-2021) Oswaldo Cruz Foundation Rio de Janeiro, Brazil  
Phylogenetic, Phylodynamic and Phylogeographic Inference

#### PhD

(2014 - 2017) University of Rome "Tor Vergata", Faculty of Medicine, Italy  
Immunology and Applied Biotechnology

#### Master's Degree (MSc)

(2011 - 2013) University of Rome "Tor Vergata", Italy  
Cellular and Molecular Biology

#### Bachelor's Degree (BSc)

(2007-2011) University of Rome "Tor Vergata", Italy  
Human Biology

## TEACHING ACTIVITIES

#### Associate Professor 05/BIOS-15 - Microbiology

(2025 - to today) Teaching and exams for academic credit  
Department of Sciences and Technologies for Sustainable Development and One Health, Università Campus Bio-Medico di Roma, Italy

(2024 - to today) Professor in molecular epidemiology and Viral Evolution  
Teaching and exams for academic credit

Université de N'Djaména, Chad

Permanent Professor in Microbiology and Viral Evolution

(2023 - to today) Teaching for post-graduation students  
Federal University of Mato Grosso do Sul, Campo Grande, Mato Grosso do Sul, Brazil

Assistant Professor RTD-A 05/BIOS-15 - Microbiology

(2021 - to 2025) Teaching and exams for academic credit  
Department of Sciences and Technologies for Sustainable Development and One Health, Università Campus Bio-Medico di Roma, Italy

Permanent Professor at the International Bioinformatics & Virus Evolution & Molecular Epidemiology (VEME)

(2020 - to today) Viral Evolution  
Oswaldo Cruz Foundation, Brazil and University of Stellenbosch South Africa

Permanent Professor in Microbiology and Viral Evolution

(2018 - to today) Teaching for post-graduation students  
Federal University of Minas Gerais, Belo Horizonte, Minas Gerais, Brazil

Teaching activities in Bioinformatics and Viral Evolution

2018 Teaching for post-graduation students  
Goncalo Moniz Institute, FIOCRUZ-BA

Teaching activities in Bioinformatics and Viral Evolution

2018 Teaching for post-graduation students  
CBAB Centro Brasileiro-Argentino de Biotecnologia

Teaching activities in Bioinformatics and Viral Evolution

2017 Teaching for post-graduation students  
Federal University of Bahia, Salvador, Bahia, Brazil

2017 Teaching activities in Bioinformatics and Viral Evolution

Teaching for post-graduation students

XVII International Course in Molecular Epidemiology (EPIMOL),  
Salvador, Bahia, Brazil

#### Teaching activities in Bioinformatics and Viral Evolution

2017 Teaching for post-graduation students

Federal University of Minas Gerais, Belo Horizonte, Minas Gerais,  
Brazil

#### Teaching activities in Bioinformatics and Viral Evolution

2016 Teaching for post-graduation students

Federal University of Bahia, Salvador, Bahia, Brazil

#### Teaching activities in Bioinformatics and Viral Evolution

2017 Teaching for post-graduation students

XVII International Course in Molecular Epidemiology (EPIMOL),  
Salvador, Bahia, Brazil

#### Teaching activities in Bioinformatics and Viral Evolution

2016 Teaching for post-graduation students

Federal University of Bahia, Salvador, Bahia, Brazil

#### Teaching activities as part of the "III Workshop

internacional de bioinformática em biologia/epidemiologia  
molecular e evolução viral"

2015 Teaching for post-graduation students

Federal University of Minas Gerais, Belo Horizonte, Minas Gerais,  
Brazil

#### Teaching activities as part of the "Master in Nursing Science: "Management for coordination functions for nursing and the health professions".

(2015, 2016)

Teacher in the Epidemiology and Phylogenetic analysis of the Infectious  
Diseases (theory and practice).

University of Rome "Tor Vergata", Rome, Italy

(2014, 2024) Teaching activities as part of the "PhD course of Infectious  
Diseases" at the university of Makeni, Sierra Leone

Teacher in the Epidemiology and Phylogenetic analysis of the Infectious Diseases (theory and practice).

University of Makeni (UNIMAK), Sierra Leone

Teaching activities as part of the “Postgraduate Course in Bioinformatics applied to molecular evolution and phylogeny of infectious agent”

(2014, 2024) Teacher in the Epidemiology and Phylogenetic analysis of the Infectious Diseases (theory and practice).

University of Milan - Department of Biomedical Sciences and Clinics "L. Sacco", Milan, Italy.

Teaching activities as part of the Master “Techniques in Bioinformatics and molecular epidemiology applied to Infectious Diseases

2014 Teacher in the Epidemiology and Phylogenetic analysis of the Infectious Diseases (theory and practice).

A.b.a.p. (Biologists, environmentalists Association of Puglia, Italy), Bari, Italy.

Teaching activities as part of the "Master in Bioinformatics and Viral Evolution"

2013 Teacher in the Phylogenetic analysis of the Infectious Diseases (theory and practice).

University La Sapienza Rome Italy

Teaching activities as part of the course “Molecular Epidemiology and phylogenesis of infectious diseases”

2012 Teacher in the Phylogenetic analysis of the Infectious Diseases (theory and practice).

“Medical Technology Centre, Medical Research Institute”- University of Alexandria, Alexandria, Egypt.

**PERSONAL SKILLS**

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Replace with name of language certificate. Enter level if known.					
Portuguese	C2	C2	C2	C2	C2
Replace with name of language certificate. Enter level if known.					

Spanish                      B2                                      B2                                      B2                                      B2                                      B2

Replace with name of language certificate. Enter level if known.

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

Common European Framework of Reference for Languages

Communication skills    ▪ Good communication skills gained through my experience as researcher

Organisational / managerial skills    ▪ Leadership (currently managing a team of 3 members and supervising 2 graduate students and 2 master's students)

Job-related skills    ▪ Proven expertise in quality control processes, including the development and implementation of protocols for high-precision viral screening

Computer skills    ▪ Aliview, MAFFT, ViralMSA, Blast, Hyphy, TreePuzzle, TempEST, Beast, Beast2, Phyml, FastTree, iqTree/iqTree2, minimap2, KRONA, KRAKEN, tools for Next-Generation-Sequencing analysis (genomics/metagenomics). Excellent experience in the search for sequences in databases. Skills in programming: RStudio, Python.

Driving licence    ▪ B

**Additional Information**

My research focuses on investigating the patterns of gene flow in pathogen populations, with an emphasis on phylogenetics and phylogeography as tools to reconstruct and understand the determinants of viral outbreaks and translate this information into public policy recommendations. Specifically, my research centers on recent arboviral outbreaks in Latin America (such as Zika, Chikungunya, Dengue, and Yellow Fever viruses) and, more recently, SARS-CoV-2 in Brazil, Italy, and South Africa. This work combines genetic, spatial, and ecological data to gain insights into the epidemiology and ecology of viruses in natural populations. I am particularly interested in developing and applying techniques that integrate viral genetic data with traditional clinical and demographic information. After completing my Ph.D. in the molecular evolution of RNA viruses at the University of Rome Tor Vergata, Italy, and conducting fieldwork in Sierra Leone on the Ebola virus, I began a postdoctoral position at the Fundação Oswaldo Cruz (FIOCRUZ) in Rio de Janeiro, Brazil, where I investigated the evolution of arthropod-borne viruses. Currently, I am a Researcher (RTD-A - 05/BIOS-15 – Microbiology) in the Department of Sciences and Technologies for Sustainable Development and One Health at Università Campus Bio-Medico di Roma, Italy. In this role, I lead the Microbiology course and conduct research on microbiome and virome composition. My work actively incorporates One Health principles, particularly in genomic surveillance of emerging and re-emerging viral pathogens in Latin America, in collaboration with the Pan American Health Organization (PAHO/WHO). My research seeks to understand the drivers behind the introduction of these pathogens into new regions, including Italy and Europe, with a focus on how climate change, land use, and animal-human interactions amplify disease transmission. Leveraging recent advances in nanopore sequencing (e.g., Giovanetti et al., *Cell Reports* 2020; Giovanetti et al., *Nature Microbiology* 2022), our team has generated over 100,000 complete viral genomes from diverse regions in Brazil and Latin America. Additionally, as part of CLIMADE (<https://climade.health/>), a global consortium we helped establish, our focus is on developing knowledge, surveillance tools, and interventions to mitigate the impact of climate-amplified diseases and epidemics under the One Health framework. My research combines real-time genome generation through nanopore sequencing with large-scale genetic data analysis to uncover the origins and transmission dynamics of viral pathogens across human, animal, and environmental interfaces, addressing critical public health challenges and underscoring the interconnectedness of health systems.

**Scientific Appointments and Honors**

1. **Reviewer for multiple journals:** American journal of infectious diseases (Am J Infect Dis), Journal of Medical Virology, Infection Genetics and Evolution, Virus Evolution, Microbial Pathogenesis, Nature Microbiology, Emerging Infectious Diseases, BMC Infectious Diseases, Lancet Infectious Diseases, Lancet Microbe, Nature mICROBIOLOGY, Nature Medicine, Science Advances.
2. **Editor in peer-review journals:** American Journal of Infectious Diseases, Plos Neglected, Viruses, Emerging Infectious Diseases, BMC Infectious Diseases.

3. L'Oréal-UNESCO For Women in Science prize, 2021.
4. Pavoncella Award for Female Creativity, 2021
5. Pathogens Award, Young Research, 2022.
6. Virus Award, Young Research, 2023.
7. Amicosante M, Montesano C., Ciccozzi M., Grifoni A., Minutolo A., Potestà A., **Cella E.**, Giovanetti M., Lo Presti A., d'Agostino F. Use of amino acid sequences of Ebola virus and their antisense peptides for the immunological diagnosis of and viremia determination of Ebola virus infection. Bulgarian Patent, N° 111877. Applicant ProxAgen Ltd.
8. Highly Cited Researchers, Clarivate, 2023.
9. Nature Research Highlights. "Genomes reveal yellow fever's deadly route through Brazil".
10. Luria Award, SIV ISV, Societa Italiana di Virologia, Brescia, Italia, 2023.
11. World's Top 2% Scientists 2023 - Stanford University, 2023.

#### Research Support (Approved funds):

1. 2015–2017. Research Project as Principal Investigator: Identification and Influence of Different Subtypes and/or Recombinant HIV Forms and Viro-immunological Determinants in Viral Persistence and Determination of Clinical Severity. Founded by Gilead Italy  
Role: PI
2. 2018-2023. Research Project as Principal Investigator: Genomic monitoring of Zika, Chikungunya, Dengue and Yellow Fever viruses and early detection of potential emerging viruses in Brazil. Founded by CNPq, Conselho Nacional de Desenvolvimento Científico e Tecnológico, Brazil.  
Role: PI
3. 2020-Present. Research Project as Principal Investigator: One Health International Network for SARS-CoV-2 real time genomic monitoring. Founded by CRP - ICGEB Research Grants Programme 2020 (Special call on COVID-19).  
Role: PI
4. 2021-2022. L'Oréal-UNESCO For Women in Science 2021 Programme.  
Role: PI
5. 2022-2023. National Institute of Health (NIH). Genomic and epidemiological monitoring of YFV in Brazil and in Nigeria: unveiling the corridor of spread and the geographic hot spots for predicting and preventing other possible spillover events.  
Role: PI
6. 2022-Present. United World Antiviral Research Network (UWARN). NIH/NIAID.  
Role: Co-PI
7. 2019-2022. Genomic monitoring of Zika, Chikungunya, Dengue and Yellow Fever viruses and early detection of potential emerging viruses in Brazil. PAHO/WHO.  
Role: Co-PI
8. 2018-2022. Diagnosis of human arboviruses based on the NGS differential. INOVA-FIOCRUZ.  
Role: Co-PI

- 2020-2022. Establishment of a new FIOCRUZ platform for genomic and metagenomic sequencing based on nanopores. INOVA-FIOCRUZ.  
Role: Co-PI

### Interested topics

- Molecular epidemiology and evolution of human viruses
- Clinical-epidemiological correlations in human viruses
- Development of new bioinformatics tools for the study of human/host-virus genes
- Development of novel genomic-based approaches for the study of RNA viruses
- Microbiome composition and functional analysis, with a focus on its role in immune modulation and viral infections
- Virome profiling and its implications for viral disease dynamics
- Next-generation sequencing
- Metagenomics and pathogen discovery in complex microbial communities
- Phylodynamics and transmission mapping
- Molecular epidemiology
- Genomic monitoring of emerging and re-emerging viral pathogens, with applications in surveillance and outbreak response

### MENTORSHIP

I have had the privilege of guiding and co-advising a diverse group of talented students, contributing to their growth as scientists and researchers. Over the years, I have co-advised 5 Ph.D. students, advised 3 Ph.D. students independently, mentored 3 MSc students, and supervised over 10 graduate students. My approach to mentorship emphasizes fostering critical thinking, promoting independence, and encouraging innovative approaches to problem-solving. I take pride in supporting each student's unique journey, helping them build the skills and confidence necessary to succeed in their fields.

### SCIENTIFIC COLLABORATIONS

- Prof. Luiz Carlos Junior Alcantara, Oswaldo Cruz Foundation, Rio de Janeiro, Brazil
- Prof. Tulio de Oliveira, CERI, University Stellenbosch & KRISP, University of KwaZulu-Natal South Africa
- Prof. Edward C. Holmes, University of Sydney, Australia
- Prof. Ana Maria Bispo de Filippis, Oswaldo Cruz Foundation, Rio de Janeiro, Brazil
- Prof. Claudia Nunes, Oswaldo Cruz Foundation, Parana, Brazil
- Prof. Vittorio Colizzi, Università di Roma Tor Vergata, Rome, Italy
- Prof. Alessandro Marcello, international centre for genetic engineering and biotechnology (ICGEB-Trieste, Italy)
- Prof. José Lourenço, Biomedical Research Centre (CBR)
- Prof. Wesley C Van Voorhis, Director of the Center for Emerging and Re-emerging Infectious Diseases, University of Washington, USA
- Prof. Peter Rabinowitz, University of Washington, USA
- Dr. Eleonora Cella, University of Central Florida, Orlando, USA
- Dr. Svetoslav Slavov, Butantan Institute, Sao Paulo, Brazil
- Dr. Elias, Maria Carolina, Butantan Institute, Sao Paulo, Brazil
- Dr. Simone Kashima, Hemocentro de Ribeirao Preto, Sao Paulo, Brazil
- Dr. Sandra Coccuzzo Sampaio Vessoni, Butantan Institute, Sao Paulo, Brazil
- Prof. Anne Mieke Vandamme, KU Leuven, Institute for the Future, Rega Institute, Belgium
- Prof. Darren Martin, University of Cape Town, South Africa
- Dr. Eduan Wilkinson, CERI, University Stellenbosch & KRISP, University of KwaZulu-Natal South Africa
- Dr. Francesco Pinotti, University of Oxford, UK
- Prof. Heiko Schmidt, University of Vienna, Austria
- Dr. Houriiyah Tegally, CERI, University Stellenbosch & KRISP, University of KwaZulu-Natal South Africa
- Prof. Julio Croda, Oswaldo Cruz Foundation (FIOCRUZ), Brazil
- Prof. Luciane Amorim Santos, Escola Bahiana de Medicina e Saúde Pública, Brazil
- Dr. Nidia Trovão, National Institutes of Health, USA

- Dr. Richard Lessells, CERI, University Stellenbosch & KRISP, University of KwaZulu-Natal South Africa
- Dr. Vagner Fonseca, Bahia State University
- Dr. Verity Hill, Yale School of Public Health, USA
- Prof. Nathan Grubaugh, Yale School of Public Health, USA
- Prof. Carla Montesano, Università di Roma Tor Vergata
- Prof. Tommy Lam, University of Hongkong
- Dr. Talita Adelino, Fundacao Ezequeil Dias, Minas Gerais, Brazil
- Dr. Alvaro Gil, Rene Rachou Institute, Belo Horizonte, Minas Gerais, Brazil
- Dr. Ana Maria Moreno, Istituto Zooprofilattico Sperimentale Della Lombardia E Dell'emilia Romagna "Bruno Ubertini", Italy
- Dr. Francesco Defilippo, Istituto Zooprofilattico Sperimentale Della Lombardia E Dell'emilia Romagna "Bruno Ubertini", Italy
- Prof. Simon Dellicour, Université libre de Bruxelles, Belgium
- Dr. Leticia Franco, Pan-American Health Organization, World Health Organization (PAHO/WHO), USA
- Dr. Jairo Rico Mendez, Pan-American Health Organization, World Health Organization (PAHO/WHO), USA
- Prof. Arnaldo Caruso, University of Brescia, Italy
- Prof. Francesca Caccuri, University of Brescia, Italy
- Prof. Laura de Gara, Università Campus Bio-Medico di Roma, Rome, Italy
- Prof. Massimo Ciccozzi, Università Campus Bio-Medico di Roma, Rome, Italy

## COURSES AND WORKSHOP

- Taller de secuenciación genómica y análisis bioinformático para virus Dengue (PAHO/WHO), Santiago de Chile Chile, 2024. (Invited).
- Reunión para la armonización de protocolos de vigilancia genómica de dengue en Colombia PAHO/WHO), Bogota, Colombia, 2024. (Invited).
- International Bioinformatics & Virus Evolution & Molecular Epidemiology (VEME), Brasilia, Federal District, Brazil, 2024. (Invited).
- Workshop Internacional de Intercambio de experiencias y formación Italia, Argentina, Brasil, Paraguay, Uruguay, Buenos Aires, Argentina, 2023. (Invited).
- 1.ª Reunión de las Redes de Vigilancia Genómica Regional de la OPS (PAHOGen), Brasilia, Federal District, Brazil, 2023. (Invited).
- 8º Congresso da Região Centro-Oeste sobre Doenças Infecciosas Emergentes, Reemergentes e Negligenciadas – DIERN, Campo Grande, Mato Grosso do Sul, Brazil, 2023. (Invited).
- International Bioinformatics & Virus Evolution & Molecular Epidemiology (VEME), Stellenbosch, South Africa, 2023. (Invited).
- International Bioinformatics & Virus Evolution & Molecular Epidemiology (VEME), Panama, 2022. (Invited).
- Protagonismo da UFMG na Pesquisa Sobre Covid-19, Belo Horizonte, Minas Gerais, Brazil, 2022. (Invited).
- 67th Brazilian Congress of Genetics, Natal, Rio Grande do Norte, Brazil, 2022. (Invited).
- 1º Curso de Bioinformática em Vigilância Viral, Sao Paulo, Brazil, 2022. (Invited).
- 23rd International Bioinformatics Workshop on Virus Evolution and Molecular Epidemiology National Institute for Infectious Diseases, Robert Koch Institute Berlin Germany, 2018.
- Seminario interinstitucional dengue, chikungunya zika e febre amarela., 2017, Feira de Santana, Bahia. Brazil.
- Feira de Soluções para a Saúde ZIKA, Salvador, Bahia, Brazil, 2017
- I Mostra Baiana de Prevenção e Testagem do HIV e ISTs (MOBAH), Salvador Bahia, Brazil, 2017.
- Feira Nacional de especialistas em Zika e doenças correlatas – RENEZIKA, Brasilia, Federal District, Brazil, 2017.
- X Congresso Brasileiro de Epidemiologia, Florianopolis, Santa Catarina, Brazil, 2017.
- Seminario Dengue, Zika e Chikungunya, Feira de Santana, Bahia, Brazil, 2015.
- WHO Meeting on Survivors on Ebola Virus Disease Related Research: Freetown Sierra Leone, 2015.
- FOCUS ON dalla precocità della diagnosi al governo clinico, Rome, Italy 2014.
- Congresso nazionale, Società Italiana di Virologia SIVIM, Rome, Italy, 2014.
- 19th International Bioinformatics Workshop on Virus Evolution and Molecular Epidemiology National Institute for Infectious Diseases "L. Spallanzani". Rome, 2014.

- Corso sulla malattia da Virus Ebola per gli specialist dei reparti di Malattie Infettive della Regione Lazio, "L. Spallanzani". Rome, 2014.
- Sperimentazione di un intervento per favorire la diagnosi tempestive dell'infezione da HIV attraverso l'offerta attiva di test rapido salivare, "L. Spallanzani". Rome, 2013.
- Indagine sulle MST nelle scuole secondarie superiori della provincia di Bari, Italia 2013.
- Epidemiology course, National Institute of Health (ISS) Rome October 8-12, 2012.
- L'informazione sull'infezione da HIV/AIDS/IST in ambito scolastico. Istituto Superior di Sanita, ISS, Italy

## INTERNATIONAL CONFERENCES

- American Society of Tropical Medicine and Hygiene, New Orleans, LA, USA, 2024. Oral Presentation. (Invited).
- PAHO-CDC DENGUE Genomic Surveillance Workplan San Juan, Puerto Rico, 2024. Oral Presentation. (Invited).
- 18th International Course on Dengue and other emerging Arboviruses. August 19-30, 2024, IPK, Havana, Cuba, 2024. Oral Presentation. (Invited).
- International Cooperation under Article X of the Biological Weapons Convention Course on 'Virus Detection and Biosecurity', Trieste, Italy, UNODA, 2024. Oral Presentation. (Invited).
- International Union of Microbiological Societies (IUMS), Florence, Italy, 2024. Oral Presentation. (Invited).
- Infection biology week, Católica Biomedical Research Centre, Portugal, Lisbon, Portugal, November 2024. Oral Presentation. (Invited).
- International Conference Pandemic Preparedness Achievements, current challenges, and new frontiers, Trieste, Italy, 2024. Oral Presentation. (Invited).
- SIMISV. 8th National Congress of the Italian Society for Virology One Virology One Health, Bologna, Italy, 2024. Oral Presentation. (Invited).
- International Conference as part of the Centers for Research in Emerging Infectious Diseases (CRID/NIH), Rockville, MD, USA, 2024. Oral Presentation. (Invited).
- Trieste Next, 2023. Oral Presentation. (Invited).
- Tropical Medicine Congress (MEDTROP), Salvador, Bahia, Brazil, 2023. Oral Presentation. (Invited).
- 7th National Congress of the Italian Society for Virology, Brescia, Italy, 2023. Oral Presentation. (Invited).
- Entrenamiento en Genómica de Arbovirus utilizando MinION, Havana, Cuba, 2023. Oral Presentation. (Invited).
- Frontiers in Emerging, Reemerging, and Zoonotic Diseases & Diversity (FrERZD2), Ponce, PR, USA, 2023. Oral Presentation. (Invited).
- International Conference as part of the Centers for Research in Emerging Infectious Diseases (CRID/NIH), North Carolina, USA, 2022. Oral Presentation. (Invited).
- General Information for Facilitators Bioinformatics Workshop, Iressef Diamniadio, Dakar, Senegal, 2022. Oral Presentation. (Invited).
- International Conference as part of the Centers for Research in Emerging Infectious Diseases (CRID/NIH), Maryland, USA, 2022. Oral Presentation. (Invited).
- International Infectious Diseases Conference, Yaoundé, Cameroon, 2022. Oral Presentation. (Invited).
- International Workshop in Emerging Infectious Diseases: Biology, Prevention and Treatment, Sao Paulo, Brazil, 2022. Oral Presentation. (Invited).
- NGS-BRICS Workshop for phylogenetic and molecular epidemiology of human viral pathogens, Virtual, 2022. Oral Presentation. (Invited).
- International Viral Genomics and Bioinformatics Latin America and the Caribbean LAC (COG-Train), Virtual, 2022. Oral Presentation. (Invited).
- Tropical Medicine Congress (MEDTROP), Belem, Para, Brazil, 2022. Oral Presentation. (Invited).
- International Reunión anual de la Red de Laboratorios de Diagnósticos de Arbovirus (RELDA), Lima, Peru, 2022. Oral Presentation. (Invited).
- International Conference on Zika virus and Aedes related infections, Tallin Estonia, 2018. Poster Presentation.
- International Conference on Zika virus and Aedes related infections, Tallin Estonia, 2018. Oral Presentation.
- First International Conference of Zika virus, Washington DC, USA, 2017. Oral Presentation.
- First International Conference of Zika virus, Washington DC, USA, 2017. Poster Presentation.
- Tropical Medicine Congress (MEDTROP), Cuiaba, Mato Grosso, Brazil, 2017. Oral Presentation. (Invited).
- 1er Taller Internacional para la Secuenciación del Virus de Dengue, Ciudad del Mexico, Mexico, 2016. (Invited).

- 12<sup>th</sup> Internacional Conference of the AB3C - X Meeting, 2016.

## CAPACITY BUILDING TRAINING ACTIVITIES AND CAPACITY BUILDING COURSES

I actively participated in capacity-building training courses focused on genomic surveillance of emerging and re-emerging viral pathogens, both as a trainee and as a trainer. I was directly involved in training PhD students and public health authorities, equipping them with essential skills in sequencing technologies, bioinformatics, and data interpretation. These activities aimed to strengthen their capacity to implement genomic tools for monitoring viral evolution, understanding transmission dynamics, and supporting public health decision-making, ultimately enhancing outbreak preparedness and response strategies.

### Brazil

- 1.1 Central Public Health Laboratory (LACEN-AC), of the Acre State, North Brazil
- 1.2 Fiocruz Manaus, Amazonas State, North Brazil
- 1.3 Central Public Health Laboratory (LACEN-MA), of the Maranhão State, Northeast Brazil
- 1.4 Central Public Health Laboratory (LACEN-PI), of the Piauí State, Northeast Brazil
- 1.5 Central Public Health Laboratory (LACEN-CE), of the Ceará State, Northeast Brazil
- 1.6 Central Public Health Laboratory (LACEN-RN), of the Rio Grande do Norte State, Northeast Brazil
- 1.7 Central Public Health Laboratory (LACEN-PB), of the Paraíba State, Northeast Brazil
- 1.8 Central Public Health Laboratory (LACEN-AL), of the Alagoas State, Northeast Brazil
- 1.9 Central Public Health Laboratory (LACEN-PE), of the Pernambuco State, Northeast Brazil
- 1.10 Central Public Health Laboratory (LACEN-SE), of the Sergipe State, Northeast Brazil
- 1.11 Central Public Health Laboratory (LACEN-BA), Bahia State, Northeast Brazil
- 1.12 Central Public Health Laboratory (LACEN-MG), of the Minas Gerais State, Southeast Brazil
- 1.13 Fiocruz Rio de Janeiro, Rio de Janeiro State, Southeast Brazil
- 1.14 Central Public Health Laboratory (LACEN-MT), of the Mato Grosso State, Midwest Brazil
- 1.15 Central Public Health Laboratory (LACEN-MS), of the Mato Grosso do Sul State, Midwest Brazil
- 1.16 Central Public Health Laboratory (LACEN-GO), of the Goiás State, Midwest Brazil
- 1.17 Central Public Health Laboratory (LACEN-PR), of the Paraná State, South Brazil
- 1.18 Fiocruz Paraná, Paraná State, South Brazil

### Latin America and Africa

Training activities and capacity-building initiatives conducted in collaboration with:

African countries: Cameroon, Chad, Senegal, and South Africa, in partnership with the Africa CDC.

Central and South American countries: Dominican Republic, Chile, Panama, Peru, Colombia, Costa Rica, Cuba, Uruguay, and Paraguay, in collaboration with the Pan-American Health Organization (PAHO).

### Publications

Full List of 353 Published Work in My Bibliography available at:

1. Pubmed: <https://pubmed.ncbi.nlm.nih.gov/?term=Giovanetti+Marta&sort=date&size=200>
2. Google Scholar: <https://scholar.google.com/citations?hl=it&user=MzuTTewAAAAJ>
3. Scopus: 55486066500.

H index - Scopus: 42 (as of February 2<sup>nd</sup>, 2026)

Total number of citations Scopus: 13,058 (as of February 2<sup>nd</sup>, 2026)



Rome, January 13<sup>th</sup>, 2026