

Maria Vittoria Mancini, PhD

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ORCID: 0000-0002-5831-2379

EDUCATION

2013 – 2017

PhD in Life and Health Sciences - One Health

Evaluation: Excellent

School of Biological Science and Veterinary Medicine, University of Camerino, Italy

Doctoral thesis: “Bacterial symbiosis in mosquitoes: contribution to host biology and vector control”

Supervisor: Prof. Guido Favia

2015 – 2017

Subject Expert (Cultore della Materia)

School of Biological Science and Veterinary Medicine, University of Camerino, Italy for teaching Food Microbiology and Parasitology (LBN)

2011 - 2013

MSc in Molecular Diagnostic and Biotechnology

110/110 with honours

School of Biological Science and Veterinary Medicine, University of Camerino, Italy

Master thesis in Molecular Parasitology: “Regulation of *Asaia* homeostasis in the gut of *Anopheles* mosquitoes”

2008 - 2011

BSc in Biotechnology

110/110 with honours

School of Biological Science and Veterinary Medicine, University of Camerino, Italy

Report in Molecular and Cellular Biology “Master Cell Bank and Working Cell Bank: characterization and regulatory perspectives”

EMPLOYMENT

October 2022- Present

Tenure-track Researcher (RTD-B) | University of Pavia| Pavia, Italy

November 2020 – June 2022

Senior Researcher | Polo d’Innovazione Genomica Genetica e Biologia | Terni (Italy)

Bill and Melinda Gates Foundation: Target Malaria Consortium

November 2020 – Present

Affiliated Research Associate | MRC- University of Glasgow- Centre for Virus Research | Glasgow (UK)

April 2018 - November 2020

Research Associate | MRC- University of Glasgow- Centre for Virus Research | Glasgow (UK)
Wellcome Trust

February 2017 – April 2018

Research Assistant | MRC- University of Glasgow- Centre for Virus Research | Glasgow (UK)
Wellcome Trust

VISITING PERIODS AND INTERNSHIPS

August 2018 | **Visiting researcher at the Institute of Medical Research, Kuala Lumpur, Malaysia**

February- December 2016 | **Visiting researcher at University of Sao Paulo State (UNESP) Botucatu, Brazil**

April 2014- July 2015 | **Visiting student at University of Perugia, Italy**

May-October 2013 | **Internship at Imperial College of London, UK**

AWARDS/GRANTS

2023 | Unit Principal Investigator (PI) and Partner of the project “PesTwin”, part of the Research and Innovation Programme of the innovation ecosystem “NODES - Digital and Sustainable North-West”, in collaboration with Biocentis S.R.L (1 year - 420,174€)

2023 | Coordinator and PI of the PRIN 2022 -PNRR “*Wolbachia* to control the invasive mosquito species *Aedes koreicus*” (W-KORE), (2years- 223,938€)

2021 | PI of the ANTI-VeC African Anopheles Symbiont Survey “Establishment of stable MB-carrying *Anopheles* lines and population studies in large cages” (1 year- 46,000£)

2021 | PI of the Infravec2 Grant “Vector competence of *Wolbachia*-carrying mosquitoes in a novel genetic background (No. 7911)

2019 | Travel bursary to attend the ANTI-VeC Network Annual UK meeting, London 21- 22 June 2019

2019 | PI of the Infravec2 Grant “The effect of different *Wolbachia* strains on the natural microbiota of *Ae. aegypti* and *Ae. albopictus*” (No. 5057)

2018 | Co-Investigator of the Project (AV/PP0025/1) Effects of co-infection of *Wolbachia* and the entomopathogenic fungus *Metarhizium pingshaense* in *Aedes aegypti* for the scheme ANTI-VeC Pump-Priming (4 years- 66000£)

2018 | PI of the Infravec2 Grant No.4387 “Evaluation of the natural bacterial diversity of field caught *Ae. aegypti* infected with *Wolbachia*”

2015 | Grant for young scientists “Avvio alla Ricerca” from the Italian National Society of Parasitology (SoIPa) (2 years - 4000€)

2013 | EU Scheme Erasmus+ Placement Scholarship – Imperial College London, UK

EDITORIAL AND REFEREEING ACTIVITIES

- Topic Editor of Insects (MPDI)
- Review Editor on the Editorial Board for Computational Genomics (Frontiers in Genetics)
- Review Editor on the Editorial Board for Vector Biology (Frontiers in Tropical Diseases)
- Reviewer for PLoS group journals, Scientific Reports, Frontiers in Microbiology/ Vector Biology/Bioengineering, International Journal of Insect Science, Insects, Trials

CONTRIBUTIONS TO MEETINGS AND CONFERENCES

Mancini Maria Vittoria, Ant Thomas, Herd Christie, Murdochy Shivan, Steven P. Sinkins; May *Wolbachia* transinfections in *Aedes albopictus*, 5th International Workshop on *Aedes albopictus*: the Asian tiger mosquito, Montpellier, France, 11-13 May 2022

Mancini Maria Vittoria; Usefulness and limitations of a gene drive approach to vector-borne diseases control, Gene Drive Webinar Series ISAAA (International Service for the Acquisition of Agri-biotech Applications) 8 July 2021 (Expert invited speaker)

Mancini Maria Vittoria, Ant Thomas, Herd Christie, Murdochy Shivan, Steven P. Sinkins; *Wolbachia* for vector control and the impact of environmental factors, Annual meeting of the American Entomological Society, 15-18 November 2020 (Invited speaker)

Mancini Maria Vittoria, Herd Christie, Ant Thomas, Sinkins Steven; *Wolbachia* strain wAu efficiently blocks arbovirus transmission in *Aedes albopictus*, AntiVec Annual Meeting, Imperial College London, UK, 20-21 June 2019 (poster)

Mancini Maria Vittoria, Herd Christie, Ant Thomas, Sinkins Steven; *Wolbachia* strain wAu efficiently blocks arbovirus transmission in *Aedes albopictus*, Mosquito Kolymbari Meeting, Crete, Greece, 22-26 July 2019 (poster)

Maria Vittoria, Mancini, Herd Christie, Ant Thomas, Sinkins Steven; Natural temperature effects on different *Wolbachia* infections in *Ae. aegypti*, European Conference of Entomology, Naples, Italy, 2-6 July 2018 (Invited speaker)

Maria Vittoria Mancini, Herd Christie; Ant Thomas, Sinkins, Steven; Effects of natural temperature regimes on different *Wolbachia* infections in *Ae. aegypti*, “Insect Endosymbiont” and “Insect Infection and Immunity” symposia, Royal Entomological Society meeting, Liverpool, 21-22 March 2018 (Invited speaker)

Maria Vittoria Mancini; The mosquito microbiota: -OMICS insights and field applications. Italian Malaria Network Meeting, Istituto Superiore di Sanità, Rome, Italy; 19-21 January 2017

Maria Vittoria Mancini, Claudia Damiani, Guido Favia; Insights into the Bacterial Microbiota Components of Vectors Circulating in Marche Region, Italy; International Conference "Facing the Invasion of alien arthropod species: ecology, modelling and control of their economic impact and public health implications", Trento, Italy; 7-9 November 2016.

Maria Vittoria Mancini, Roberta Spaccapelo, Claudia Damiani, Alessia Cappelli, Aida Capone, Paolo Rossi, Matteo Valzano, Anastasia Accoti, Luca Facchinelli, Aurelio Serrao, Irene Ricci, Guido Favia; Paratransgenesis to control mosquito-borne diseases: from bench to field, XXIX SolPa Conference, 21-24 June 2016, Bari, Italy

MEMBERSHIPS AND INTERNATIONAL CONSORTIA

Ordine Nazionale dei Biologi
ISARIC 4C (Coronavirus Clinical Characterization Consortium)
SOIPA, Italian Society of Parasitology
Italian Malaria Network
American Entomological Society

Ai sensi dell'art. 46 e 47 del DPR 445/2000, dichiaro che le informazioni inserite nel mio CV corrispondono a verità, essendo consapevole dell'eventuale applicazione dell'art. 76 dello stesso articolo in caso di dichiarazione mendace
Autorizzo il trattamento dei miei dati personali presenti nel curriculum vitae ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 e del GDPR (Regolamento UE 2016/679).