

PERSONAL INFORMATION

Claudia Damiani

WORK EXPERIENCE

April 2016–present

Co-Founder, President and CTO of Biovecblok SRL, spin-off of UNICAM Camerino (MC), Italy. Biovecblok is a spin-off company of the University of Camerino, which aims at developing innovative strategies able to control mosquitoes. Biovecblok proposes itself as a research society whose purpose is to develop different methods in mosquito vector population control employing natural, non toxic compounds. Our goal is to overcome all the limitations of chemical insecticides currently employed, by developing innovative, ecological biotechnologies harmless to humans and which are economically sustainable, able to lessen the number of vector mosquitoes and, consequently, to reduce their ability to transmit diseases.

In 2017 we were the first Italian start-up to get on the podium of the Global Social Venture Competition (GSVC), World Final, in Berkeley, competition for start-ups of relevant social impact network, in which more than 1000 projects took part from all over the world, having proved that our solutions received not only scientific appreciations, but also acknowledgements for a considerable Social Impact.

In collaboration with ENEA we are organizing, in some Italian areas, a campaign of release of male *Aedes albopictus* transfected with different strain of *Wolbachia* in order to sterilize wild type female of tiger mosquitoes (caused by mating with transfected males) and consequently reducing dramatically the wild type *Ae. albopictus* population.

FACILITIES

Biovecblok SRL is investing in development of a unique research centre, only one of its kind in Italy, able to offer a number of specialized services including product monitoring and testing within these structures called semi-field cages.

The semi-field cages are large cages (160 m²) in which the conditions of light, temperature and humidity in which the mosquitoes, object of our research, live in the tropical and sub-tropical regions will be reproduced. In particular, within these cages certain products' effects on the physiology of mosquitoes can be assessed, in controlled field conditions. The parameters which can be measured are: flight, sting, coupling, oviposition and others. Our research centre will also include a molecular biology laboratory and we are planning to set up a BSL-3 certified laboratory to conduct experiments involving the use of human pathogens such as *Plasmodium falciparum* and viruses.

We are building this research centre in the municipality of Muccia (MC). These facilities will be used by our company not only for completing researches related to our projects but also providing us with income. In fact, we will exploit the scarce availability of semi-field cages in the world (there are very few structures around the world with such characteristics and wait times are incredibly long) to attract national and international customers, satisfying their needs and multiple technical-experimental requests.

HONOURS AND AWARDS

- 3rd place in the Global Social Venture Competition, World Final 2017 (Berkeley Haas), award conferred on the Atlas project, a possible alternative to the use of *Bacillus thuringiensis* against disease carrying mosquitoes (prize: 10.000 dollars).
- Winner of the E-Capital 2017 competition (prize: 20.000 euro).
- BioinItaly, Start-up Finalist 2017, awarded to Atlas project.
- 1st place at the Global Social Venture Competition, Italian Round & Romano Rancilio Award 2017, conferred on the Atlas project (prize: 10.000 euro).
- Finalist at the PNI 2016, with the Atlas project and winner of the mention in Social Innovation.
- Awarded the honourable mention at the 2016 Marzotto Award (prize: 25.000 euro).
- 1st place at Start Cup Marche 2016, awarded to the Atlas project (prize: 10.000 euro)
- 1st place at Industry 4.0, Marketplace Ancona 2017.
- Finalist at E-Capital 2016.
- 2nd place at the Start Cup Marche 2015, awarded to the Biovecblok project, innovative insecticides (prize 8.000 euro).

PATENTS:

(US10264787) Natural mosquito larvicide. **Damiani Claudia**, Aurelio Serrao, Matteo Valzano, Vincenzo Cuteri, Riccardo Arigoni (2019)

(US20190159466) Natural mosquito repellent. Matteo Valzano, Aurelio Serrao, **Claudia Damiani** (2019) Temporary Research Fellow

June 2018-present

Postdoctoral Fellowship (Assegno di ricerca)

Research title: "Interactions on the effect of *Asaia* symbiont on some immune-related genes of *Anopheles gambiae* and *An. stephensi* mosquitoes". Research Project BBI25002 INFRAVEc. Supervisor Prof. Guido Favia, Laboratory of Parasitology, University of Camerino. Employed in the study of immune gene modulation in *Anopheles* mosquito changelled with *Asaia*

March 2017-March 2018

Postdoctoral Fellowship (Assegno di ricerca)

Research project FUTURO IN RICERCA 2013 "Lieviti e peptide killer come modelli sperimentali per il controllo e la terapia di malattie trasmesse da artropodi vettori". Coordinator (Responsabile Unità di Camerino) PhD Claudia Damiani, Laboratory of Parasitology, University of Camerino. RBFR136GFF_002.

March 2014 – March 2017

Postdoctoral Fellowship (RTD/A)

Research project **FUTURO IN RICERCA 2013** "Lieviti e peptide killer come modelli sperimentali per il controllo e la terapia di malattie trasmesse da artropodi vettori". **Coordinator** (Responsabile Unità di Camerino) PhD **Claudia Damiani**, Laboratory of Parasitology, University of Camerino. RBFR136GFF_002.

June 2013-March 2014

Post Doc Fellowship (Assegno di ricerca)

Project titled: "Studio delle relazioni simbiotiche e delle modalità di trasmissione del simbiote *Wickerhamomyces* in zanzare". Supervisor Prof. Irene Ricci, Laboratory of Parasitology, University of Camerino (irene.ricci@unicam.it) Research project IDEAS Programme ERC Starting Grant "Yeasts symbionts of malaria vectors: from basic research to the management of malaria control" Employed in the study of isolation of symbiotic yeasts *Wickerhamomyces anomalus* isolated from vector of malaria *Anopheles stephensi* mosquitoes and assessment of the transmission route in the mosquito malaria vector population.. I designed the experimental plan and performed the experiments.

May 2012-April 2013

Post Doc Fellowship (CoCoCo)

Project titled: "Modificazione di batteri acetici del genere *Asaia* per l'espressione di molecole ad attività antimalarica". Supervisor Prof. Guido Favia, Laboratory of Parasitology, University of Camerino. Research Project PRIN 2009 "Controllo paratransgenico di zanzare vettrici tramite batteri del genere *Asaia*"

Employed in the study of manipulation of *Asaia* symbiont using plasmid expressing anti-*Plasmodium* molecules (SM1, PLA2).

I designed the experimental plan and performed the experiments.

March 2010-September 2011

Post Doc Fellowship (Borsa di studio)

Project titled: "Controllo simbiotico dei vettori di malaria" Supervisor Prof. Guido Favia, Laboratory of Parasitology, University of Camerino. Research Project EU-FP7 Infrastructure.

**PROJECT
COLLABORATION**

AND

Biovecblok SRL is a partner of **Horizon 2020 ERC-2018-PoCCOST**. Grant Agreement Number: 842429. Launch Test of Natural Biocides for the Control of Insect Borne Diseases. Acronym: LaunTeNaBio. (PI: prof. Irene Ricci. University of Camerino) (2018)

Secondary proposer: Dr Claudia Damiani (BIOVECBLOK s.r.l.). Aedes Invasive Mosquitoes (AIM) COST ACTION OC-2017-1-22105. (PI: prof Alessandra della Torre. Università di Roma Sapienza) (2017)

Collaboration with italian research groups

Prof. C Bandi, Department of Biosciences and Pediatric Clinical Research Center, University of Milan, Milan.

Prof. Daffonchio, Dipartimento di Scienze e Tecnologie Alimentari e Microbiologiche, Università di Milano

Prof. L. Sacchi, Dipartimento di Biologia Animale, Università di Pavia

Prof. A Alma, Dipartimento di Valorizzazione e Protezione delle Risorse Agroforestali, Università di Torino

Collaborations with international groups

Prof. M Jacobs Lorena, Johns Hopkins University, Baltimore, USA,

Prof. CJM Koenraadt, Wageningen University and Research, the Netherlands.

Prof. S O'Neill, Monash University, Melbourne, Australia.

Prof. DJ Lampe, Duquesne University, Pittsburgh, Usa

Prof. PEM Ribolla, Biotechnology Institute (IBTEC) & Biosciences Institute at Botucatu (IBB), Sao Paulo State University (UNESP), Sao Paulo, Brazil

Dr. A Diabaté, IRSS, Bobo Dioulasso, Burkina Faso

EDUCATION AND TRAINING

2019

I obtained the Italian Professional qualification as Professorship of Parasitology "**Abilitazione Scientifica Nazionale 2018/2020** alle funzioni di Professore di seconda fascia, di cui all'art. 16 della Legge 30 dicembre 2010 n. 240, nel settore concorsuale 07/H3 "Malattie infettive e parassitarie degli animali" e per il settore scientifico-disciplinare VET/06 n.1731"

2007 – 2010

Ph.D in Environmental Sciences and Public Health XXII cycle - Development of Biotechnology for Environmental Sciences and Public Health

Title of thesis: “Symbiotic relationship between acetic acid bacteria and malaria vectors: implications in malaria control” (Supervisor Prof. Guido Favia). University of Camerino, Italy

During my PhD I worked at the **Centre National de Recherche et de Formation sur le Paludisme, Ouagadougou (Burkina Faso)**, on the isolation and identification of the bacterium *Asaia* from wild mosquitoes and at **Duquesne University (Pittsburgh, USA)** (Tutor: Prof. David Lampe), on the manipulation of the bacterium *Asaia* with recombinant plasmids.

7 September 2007

Conference in “Microarray Technology – Advances, Applications, Future Prospects” University of Camerino

18-21 September 2006

Summer School in “Statistics for the design and analysis of research studies” University of Camerino

3-4 May 2006

Course in Real-Time PCR in collaboration with Eppendorf Italia. University of Camerino

2006

Fellowship in Monitoring of dirofilariasis vectors in Central Italy

My work was focused on the development of molecular analysis in order to assess the parasitology risk on the vector of filariasis. (Supervisor: Prof. Guido Favia) University of Camerino, Italy

2003 - 2005

Master Degree in “Molecular Biology”

Title of thesis: “Analisi della diversità microbica associata a differenti specie di zanzare”.

Rank: 110 cum laude - University of Camerino, Italy

2000 - 2003

Bachelor Degree in “Biology” (3 years)

The thesis activity was focused on monitoring of freshwater quality (chemistry analysis, Biotic Index for freshwater macroinvertebrates, Fluvial Functionality Index) (Supervisor: Prof. Mario Cocchioni).

Rank: 110 cum laude - University of Camerino, Italy

July 2000

Maturità scientifica

Rank: 100/100- Liceo socio-psico-pedagogico “E. Trebbiani”, Ascoli Piceno, Italy

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

English

French

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	C1	B1	B1	C1
B1	C1	B1	B1	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Ability to work with colleagues from different countries

Organisational / managerial skills I am able to independently organize my work and coordinate the work of my colleagues and students. I have followed the laboratory activity of undergraduate, graduate and PhD students.

Job-related skills Molecular Biology: acid nucleic extraction, qualitative and quantitative PCR, acid nucleic and protein electrophoresis; DGGE; Western Blot; cloning with traditional and expression vectors, IFA, FISH, ISH.

Microbiology: cultivation of bacteria and yeasts in universal and selective medium, isolation and manipulation of bacteria and yeasts from insects and environmental samples.

Insectary competences: maintenance of several strain of mosquito (*Anopheles stephensi*, *An.gambiae*, *An. arabiensis*, *Aedes albopictus*, *Ae. aegypti*, *Ae. koreicus*, *Ae. japonicus*, *Culex pipiens*, *Cx. quinquefasciatus*, *Culiseta*), several strains of *Ceratitis capitata* and *Drosophila melanogaster*. Colonization of insects using wild type and genetically modified bacteria and yeasts. Ability to maintain the life cycle of *Plasmodium berghei* in the murine model.

Insect manipulation: Dissection of organs (gut, gonads, salivary glands) of several insects; intratoracical insect injection

Excellent use of the Instruments: Fluorescence microscopy, Electrophoresis, Spectrophotometer, PCR, qPCR, Optical and stereo microscopy. Good use of Confocal Microscopy.

Digital competence

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem solving
Independent User	Proficients	Proficients	Independent User	Independent User

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Operating Systems: Windows

Word Processing: Office (Word, Excel, Power Point)

Databases and softwares for sequence analysis: Sequence analysis software, Chromas, NCBI, Ensembl, VectorBase)

Scientific Graphing: GraphPad Prism

Basic Knowledge of Bioinformatics (Blast, ClustalW, MEGA-X.)

Driving licence

B

ADDITIONAL INFORMATION

Brief track-record

Research interests

General and molecular parasitology, genetics, microbiology, cellular biology, molecular biology, study of symbiosis in insects, malaria, tropical diseases.

Publications

28 scientific papers, 15 abstract in congress, 1 poster in congress, 2 chapters book.

Bibliometric indices

Scopus: h index: 14; 807 total citations; Google Scholar: h index: 14; 1183 total citations (Author ID: 18036688000: <http://orcid.org/0000-0001-5022-0675>).

Teaching activity

Supervisor e co-supervisor of students of the bachelor in Biology and Biosciences, Biologia della nutrizione and Biotechnology, students of the Master degree in Biology and PhD students.

Lecturer (in italian: titolare del corso) in:

“Parassitologia e microbiologia degli alimenti”, bachelor course in Biologia della Nutrizione San Benedetto del Tronto, School of Biosciences and Medical Veterinary-UNICAM **2014-present**;

“Laboratory II”, bachelor course in Biology and Biotechnology Camerino School of Biosciences and Medical Veterinary-UNICAM **2015-present**;

“Parassitosi di interesse ittico”, Scuola di specializzazione in Igiene e controllo dei prodotti della pesca e dell’acquacoltura, Matelica School of Biosciences and Medical Veterinary-UNICAM **2014-2015**

“Microbiologia generale ed applicata alle produzioni alimentari”, bachelor course in Sicurezza delle Produzioni Zootecniche e Valorizzazione delle Tipicità Alimentari di Origine Animale (CdS-SiVal), Matelica School of Biosciences and Medical Veterinary-UNICAM **2016-2017**.

Review activity:

I have been serving as referee for the journals: Plos One, Parasites & Vectors.

ANNEXES

Publications

- 1) Cappelli A, **Damiani C**, Mancini MV, Valzano M, Rossi P, Serrao A, Ricci I, Favia G. (2019) Interactions between *Asaia* and mosquito immune system: implications in malaria control. Accepted in Front. Genet. doi:10.3389/fgene.2019.00836
- 2) Alonso DP, Mancini MV, **Damiani C**, Cappelli A, Ricci I, Alvarez MVN, Bandi C, Ribolla PEM, Favia G. (2019) Genome Reduction in the Mosquito Symbiont *Asaia*. Genome Biol Evol. 11:1-10.
- 3) Mancini MV*, **Damiani C***, Accoti A, Tallarita M, Nunzi E, Cappelli A, Bozic J, Catanzani R, Rossi P, Valzano M, Serrao A, Ricci I, Spaccapelo R, Favia G. (2018) Estimating bacteria diversity in different organs of nine species of mosquito by next generation sequencing. BMC Microbiology 18:126. (*equally contributed)
- 4) Möhlmann TWR, Wennergren U, Tälle M, Favia G, **Damiani C**, Bracchetti L, Takken W, Koenraadt CJM. (2018) Community analysis of the abundance and diversity of biting midge species (Diptera: Ceratopogonidae) in three European countries at different latitudes. Parasit Vectors. 11(1):217.
- 5) Cappelli A, **Damiani C**, Valzano M, Mancini MV, Rossi P, Ricci I, Chiodera A, Favia G. (2017) Molecular Diagnosis of Malaria Infection: A Survey in a Hospital in Central Italy. Adv Biotech & Micro. 5: 555670.
- 6) Möhlmann TWR, Wennergren U, Tälle M, Favia G, **Damiani C**, Bracchetti L, Koenraadt CJM. (2017) Community analysis of the abundance and diversity of mosquito species (Diptera: Culicidae) in three European countries at different latitudes. Parasit Vectors. 10(1):510.
- 7) Mancini MV, Spaccapelo R, **Damiani C**, Accoti A, Tallarita M, Petraglia E, Rossi P, Cappelli A, Capone A, Valzano M, Picciolini M, Diabaté A, Facchinelli L, Ricci I, Favia G. (2016) Paratransgenesis to control malaria vectors: a semi-field pilot control. Parasit Vectors. 9:1427.
- 8) Martin E, Bongiorno G, Giovati L, Montagna M, Crotti E, **Damiani C**, Gradoni L, Polonelli L, Ricci I, Favia G, Epis S. (2016) Isolation of a *Wickerhamomyces anomalus* yeast strain from the sandfly *Phlebotomus perniciosus*, displaying the killer phenotype. Med Vet Entomol. Mar;30(1):101-6.
- 9) Rossi P, Ricci I, Cappelli A, **Damiani C**, Ulissi U, Mancini MV, Valzano M, Capone A, Epis S, Crotti E, Chouaia B, Scuppa P, Joshi D, Xi Z, Mandrioli M, Sacchi L, O'Neill SL, Favia G. (2015) Mutual exclusion of *Asaia* and *Wolbachia* in the reproductive organs of mosquito vectors. Parasit Vectors. 8:278
- 10) Cappelli A, Ulissi U, Valzano M, **Damiani C**, Epis S, Gabbrielli MG, Conti S, Polonelli L, Bandi C, Favia G, Ricci I. (2014) A *Wickerhamomyces anomalus* Killer Strain in the Malaria Vector *Anopheles stephensi*. PLoS One, 9:e95988.

- 11) DeFrecece C, **Damiani C**, Valzano M, D'Amelio S, Cappelli A, Ricci I, Favia G. (2014) Detection and isolation of the α -proteobacterium *Asaia* in *Culex* mosquitoes. Medical and Veterinary Entomology, 28:438-442
- 12) Capone A, Ricci, **Damiani C**, Mosca M, Rossi P, Scuppa P, Crotti E, Epis S, Angeletti M, Valzano M, Sacchi L, Bandi C, Daffonchio D, Mandrioli M, Favia G. (2013) Interactions between *Asaia*, *Plasmodium* and *Anopheles*: new insights into mosquito symbiosis and implications in malaria symbiotic control. Parasit Vectors. 6(1):182.
- 13) Ricci I, **Damiani C**, Capone A, DeFreece C, Rossi P, Favia G. (2012) Mosquito/microbiota interactions: from complex relationships to biotechnological perspectives. Curr Opin Microbiol. 15(3):278-84.
- 14) Chouaia B, Rossi P, Epis S, Mosca M, Ricci I, **Damiani C**, Ulissi U, Crotti E, Daffonchio D, Bandi C, Favia G. (2012) Delayed larval development in *Anopheles* mosquitoes deprived of *Asaia* bacterial symbionts. BMC Microbiol. 12 (Suppl 1):S2.
- 15) Epis S, Montagna M, Comandatore F, **Damiani C**, Diabaté A, Daffonchio D, Chouaia B, Favia G. (2012) Molecular typing of bacteria of the genus *Asaia* in malaria vector *Anopheles arabiensis* Patton, 1905. JEAR. 44:e7
- 16) Epis S, Gaibani P, Ulissi U, Chouaia B, Ricci I, **Damiani C**, Sambri V, Castelli F, Buelli F, Daffonchio D, Bandi C, Favia G. (2012) Do mosquito-associated bacteria of the genus *Asaia* circulate in humans? Eur J Clin Microbiol Infect Dis. 31(6):1137-40.
- 17) Ricci I, **Damiani C**, Capone A, DeFreece C, Rossi P, Favia G. (2012) Mosquito/microbiota interactions: from complex relationships to biotechnological perspectives. Curr Opin Microbiol. 15(3):278-84.
- 18) Chouaia B, Rossi P, Epis S, Mosca M, Ricci I, **Damiani C**, Ulissi U, Crotti E, Daffonchio D, Bandi C, Favia G. (2012) Delayed larval development in *Anopheles* mosquitoes deprived of *Asaia* bacterial symbionts. BMC Microbiol. 12 (Suppl 1):S2.
- 19) Valzano M, Achille G, Burzacca F, Ricci I, **Damiani C**, Scuppa P, Favia G. (2012) Deciphering microbiota associated to *Rhynchophorus ferrugineus* in Italian samples: a preliminary study. JEAR. 44:e16.
- 20) Ricci I, Mosca M, Valzano M, **Damiani C**, Scuppa P, Rossi P, Crotti E, Cappelli A, Ulissi U, Capone A, Esposito F, Alma A, Mandrioli M, Sacchi L, Bandi C, Daffonchio D, Favia G. (2011). Different mosquito species host *Wickerhamomyces anomalus* (*Pichia anomala*): perspectives on vector-borne diseases symbiotic control. Antonie Van Leeuwenhoek, 99: 43-50.
- 21) Epis S, Gaibani P, Ulissi U, Chouaia B, Ricci I, **Damiani C**, Sambri V, Castelli F, Buelli F, Daffonchio D, Bandi C, Favia G. (2011) Do mosquito-associated bacteria of the genus *Asaia* circulate in humans? Eur J Clin Microbiol Infect Dis. 31(6):1137-40.
- 22) Ricci I, **Damiani C**, Rossi P, Capone A, Scuppa P, Cappelli A, Ulissi U, Mosca M, Valzano M, Epis S, Crotti E, Daffonchio D, Alma A, Sacchi L, Mandrioli M, Bandi C, Favia G. (2011) Mosquito symbioses: From basic research to the paratransgenic control of mosquito-borne diseases. J Appl Entomol 135(7): 487-93

- 23) **Damiani C**, Ricci I, Crotti E, Rossi P, Rizzi A, Scuppa P, Capone A, Ulissi U, Epis S, Genchi M, Sagnon N, Faye I, Kang A, Chouaia B, Whitehorn C, Moussa GW, Mandrioli M, Esposito F, Sacchi L, Bandi C, Daffonchio D, Favia G. (2010) Mosquito-bacteria symbiosis: the case of *Anopheles gambiae* and *Asaia*. *Microb Ecol.* 60(3):644-54.
- 24) Chouaia B, Rossi P, Montagna M, Ricci I, Crotti E, **Damiani C**, Epis S, Faye I, Sagnon N, Alma A, Favia G, Daffonchio D, Bandi C. (2010) Molecular evidence for multiple infections as revealed by typing of *Asaia* bacterial symbionts of four mosquito species. *Appl Environ Microbiol.* 76(22):7444-50.
- 25) Crotti E*, **Damiani C***, Pajoro M, Gonella E, Rizzi A, Ricci I, Negri I, Scuppa P, Rossi P, Ballarini P, Raddadi N, Marzorati M, Sacchi L, Clementi E, Genchi M, Mandrioli M, Bandi C, Favia G, Alma A, Daffonchio D. (2009) *Asaia*, a versatile acetic acid bacterial symbiont, capable of cross-colonizing insects of phylogenetically distant genera and orders. *Environ Microbiol.* 11(12):3252-64. (*equally contributed)
- 26) **Damiani C**, Ricci I, Crotti E, Rossi P, Rizzi A, Scuppa P, Esposito F, Bandi C, Daffonchio D, Favia G. (2008) Paternal transmission of symbiotic bacteria in malaria vectors. *Curr Biol.* 18(23):R1087-8.
- 27) Crotti E, Pajoro M, **Damiani C**, Ricci I, Negri I, Rizzi A, Clementi E, Raddadi N, Scuppa P, Marzorati M, Pasqualini L, Bandi C, Sacchi L, Favia G, Alma A, Daffonchio D. (2008) *Asaia*, a transformable bacterium, associated with *Scaphoideus titanus*, the vector of “flavescence dorée”. *Bull Insectology* 61 (1): 219-20
- 28) Favia G, Ricci I, **Damiani C**, Raddadi N, Crotti E, Marzorati M, Rizzi A, Urso R, Brusetti L, Borin S, Mora D, Scuppa P, Pasqualini L, Clementi E, Genchi M, Corona S, Negri I, Grandi G, Alma A, Kramer L, Esposito F, Bandi C, Sacchi L, Daffonchio D. (2007) Bacteria of the genus *Asaia* stably associate with *Anopheles stephensi*, an Asian malarial mosquito vector. *Proc Natl Acad Sci U S A.* 104(21):9047-51.

Chapter book

- Alma A, Daffonchio D, Balloi A, Bandi C, Crotti E, Damiani C; Favia G, Gonella E, Mandrioli M, Montagna M, Ricci I, Sacchi L. (2014) I microrganismi simbiotici degli insetti. GLI INSETTI E IL LORO CONTROLLO a cura di Pennacchio F. ISBN 978-88-207-5351-1 by Liguore Editore, Naples, Italy.
- Ricci I, Scuppa P, **Damiani C**, Rossi P, Capone A, De Freece C, Valzano M, Cappelli A, Mosca M, Ulissi U, Favia G. (2012). Facing malaria parasite with mosquito symbionts. In *Malaria Parasites*. Ed. Intech Open access publisher ISBN 979-953-307-072-7 by Omolade Okwa Lagos State University, Nigeria.

Abstract of journal

Mancini MV, Spaccapelo R, **Damiani C**, Cappelli A, Capone A, Rossi P, Valzano M, Accoti A, Facchinelli L, Serrao A, Ricci I, Favia G. Paratransgenesis to control mosquito borne disease: from beach to field. XXIX Congresso SOIPA, Bari, 21-24 giugno 2016.

Ricci I, **Damiani C**, Rossi P, Capone A, Valzano M, Cappelli A, Bozic J, Mancini MV, Favia G. Symbionts and mosquito vectors: work in progress at UNICAM. XXVIII Congresso SOIPA (p. 61). Roma, Italia, 24-27 giugno 2014.

Mancini MV, Bozic J, Capone A, Cappelli A, **Damiani C**, Epis S, Rossi P, Valzano M, Bandi C, Ricci I, Favia G. Bacterial symbiotic control of mosquito vectors: from bench to field. XXVIII Congresso SOIPA (p. 183). Roma, Italia, 24-27 giugno 2014.

Bozic J, Capone A, Valzano M, Cappelli A, **Damiani C**, Rossi P, Mancini MV, Favia G, Ricci I. Using symbiotic yeasts associated to mosquitoes to prevent plasmodial infection in malaria vectors: current status and future strategies for symbiotic control of mosquito borne disease. XXVIII Congresso SOIPA (p. 184). Roma, Italia, 24-27 giugno 2014.

Capone A, Bozic J, Cappelli A, **Damiani C**, Rossi P, Valzano M, Epis S, Favia G, Ricci I. Engineering of the yeast *Wickerhamomyces anomalus*, symbiont of mosquito species relevant to public health, for paratransgenic control strategies. XXVIII Congresso SOIPA (p. 185). Roma, Italia, 24-27 giugno 2014.

Valzano M, Cappelli A, Ulissi U, **Damiani C**, Capone A, Bozic J, Cecarini V, Favia G, Ricci I. A killer yeast strain is harbored in malaria vectors: new insights in the mosquito biology and possible implications in the malaria transmission blocking. XXVIII Congresso SOIPA (p. 213). Roma, Italia, 24-27 giugno 2014.

Capone A, Ricci I, **Damiani C**, Rossi P, Scuppa P, Valzano M, Cappelli A, DeFreece C, Ulissi U, Favia G. Mosquito/microbiota interactions: from basic research to biotechnological perspectives in mosquito borne disease control. XXVII Congresso Nazionale della Società Italiana di Parassitologia. 26-29 June 2012 Alghero, Italy.

Damiani C, Ricci I, Cappelli A, Ulissi U, Rossi P, Capone A, Scuppa P, Mosca M, Valzano M, Crotti E, Epis S, Esposito F, Sacchi L, Mandrioli M, Bandi C, Daffonchio D, Favia G. *Acetic acid bacteria in malaria vectors: a possible strategy for malaria control?* XXVI Congresso Nazionale della Società Italiana di Parassitologia. 22-25 June 2010 Perugia, Italy (Speaker)

Rossi P, **Damiani C**, Ricci I, Cappelli A, Ulissi U, Capone A, Scuppa P, Mosca M, Valzano M, Esposito F, Sacchi L, Bandi C, Daffonchio D, Favia G. *Bacterial symbionts in Aedes aegypti and Aedes albopictus*. XXVI Congresso Nazionale della Società Italiana di Parassitologia. 22-25 June 2010 Perugia, Italy.

Favia G, Ricci I, **Damiani C**, Rossi P, Sacchi L, Daffonchio D, Bandi C. Relazioni simbiotiche tra batteri acetici e zanzare. 69° Congresso UZI. 22-25 September 2008, Senigallia, Italy.

Favia G, Ricci I, **Damiani C**, Rossi P, Scuppa P, Esposito F, Alma A, Kramer L, Bandi C, Sacchi L, Daffonchio D. Microorganism and mosquito vectors: perspectives for the control of mosquito borne diseases. Xth European Multicolloquium of Parasitology. 24-28 August 2008 Paris, France.

Daffonchio D, Pajoro M, Gonella E, Crotti E, Rizzi A, Clementi E, Negri I, **Damiani C**, Raddadi N, Ricci I, Marzorati M, Cherif A, Genchi M, Ferri E, G, Sacchi L, Bandi C, Alma A. Antagonism and symbiotic control. ICIBI 2007, Daegu, Republic of Korea

Favia G, Ricci I, **Damiani C**, Scuppa P, Rossi P, Crotti E, Pajoro M, Negri I, Alma A, Sacchi L, Kramer L, Bandi C, Daffonchio D. Acetic acid bacteria, *Plasmodium* and *Anopheles*: a possible future menage a trois? ICIBI 2007, Daegu, Republic of Korea

Alma A, Pajoro M, Crotti E, Clementi E, **Damiani C**, Negri I, Tedeschi R, Rizzi A, Raddadi N, Ricci I, Marzorati M, Genchi M, Ferri E, Favia G, Sacchi L, Bandi C, Daffonchio D. The microbiota associated to grape yellows leafhopper vectors: which potential for symbiotic control? ICIBI 2007, Daegu, Republic of Korea

Favia G, Ricci I, **Damiani C**, Raddadi N, Scuppa P, Pasqualini L, Clementi E, Genchi M, Corona S, Esposito F, Sacchi L, Bandi C, Daffonchio D. *Asaia*: possibly a symbiotic bacterium *Anopheles* and a tool for genetic manipulation of malaria vectors. ICOPA XI 6-11 August 2006, Glasgow, Scotland.

Posters in Congress

Crotti E, Chouaia B, Sasserà D, Rizzi A, Raddadi N, Epis S, **Damiani C**, Gonella E, Rossi P, Negri I, Ricci I, Sacchi L, Mandrioli M, Alma A, Favia G, Bandi D, Daffonchio D. Cost Action FA0701-ARTHROPOD SYMBIOSES: FROM FUNDAMENTAL STUDIES TO PEST AND DISEASE MANAGEMENT. Workshop GENOMICS AND METAGENOMICS. Funchal, Madeira Island (portugal) 20-23 January 2010.

Camerino, 06/09/2019