

**FORMATO EUROPEO
PER IL CURRICULUM VITAE**



**Personal
Informations**

First name(s) / Surname(s)	Francesco Defilippo
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Nationality	Italiana
Date of birth	██████████
Gender	M

Occupational field

**Medical & Veterinary Entomology, Vector Ecology
and Taxonomy, Mass rearing of insects of public
health importance**

**Professional
experience**

Date	2008-to present
position	Entomologist technician
Employer	Istituto Zooprofilattico Sperimentale della Lombardia ed Emilia- Romagna
Activity	Medical entomology and vectors of pathogens for animals and humans
Date	2007-2008
position	Temporary contract worker
	Study of Forensic Entomology
Employer	Legal Medicine Institute of University of Parma, Via Gramsci - 43100 Parma
Activity	Forensic entomology

Date 2007

Position Consultant

Forensic entomologist in the judicial process

Activity Forensic entomology

Date 2005

position Stage

Forensic entomology, Estimation of Post-mortem interval, necrophagus insects rearing,

Employer Natural History Museum of Lausanne (Switzerland)

Activity Forensic entomology

Others Resp. Prof. Daniel Cherix; daniel.cherix@unil.ch and Isp. Claude Wyss; cwyss@worldcom.ch

2010 – Training in Quality Assurance at the Forensic Entomology Laboratory of the French Gendarmerie in Rosny-Sous-Bois, Paris

Education 2014 - Training to the maintenance of insect stable colonies in laboratory for biotechnological use at Great Lakes Forestry Center in Sault Ste. Marie, Ontario (CA)

Date

Education 2004-2005

Master Forensic Science
Forensic Entomology , Antropology and Botany

Date University of Parma

Education 1997-2003

Natural Science Degree

Study and management of natural systems

Personal skills and competences University of Calabria

Mother longue(s) Italian

Other longue (s) English

English

Understanding				Speaking		Writing	
listening		Reading		Spoken interaction	Spoken production		
B1	Indipendent User	B2	Indipendent User	B1	Indipendent User	B1	Indipendent User

(*) Common European Framework of Reference for Languages

Association	Regular Member of European Association for Forensic Entomology (www.eafe.org) Regular Member of Society invertebrate Pathology (www.sipweb.org)
Organizational skills	Good organizational skills and good ability to work in a team
Technical skills and competences	Vector ecology and taxonomy, entomological lab and field investigations, vector diseases epidemiology, mass rearing of insects, formulation of artificial and semi-artificial diets for rearing insects
Computer skills and competences	Good knowledge of Microsoft Windows, Office software (Word, Excel ect. all version) and internet surfing

Publications

- Rovida, Francesca et al. "The 2023 Dengue Outbreak in Lombardy, Italy: A One-Health Perspective." *Travel medicine and infectious disease*, 102795. 2 Jan. 2025, doi:10.1016/j.tmaid.2025.102795
- Branda, Francesco et al. "Wolbachia-Based Approaches to Controlling Mosquito-Borne Viral Threats: Innovations, AI Integration, and Future Directions in the Context of Climate Change." *Viruses* vol. 16,12 1868. 30 Nov. 2024, doi:10.3390/v16121868
- Gilioli G, **Defilippo F**, Simonetto A, Heinzl A, Migliorati M, Calzolari M, Canziani S, Lelli D, Lavazza A. Characterization of environmental drivers influencing the abundance of *Anopheles maculipennis* complex in Northern Italy. *Parasit Vectors*. 2024 Mar 6;17(1):109. doi: 10.1186/s13071-024-06208-6
- Mikel A. González, Alexandra Chaskopoulou, Loukas Georgiou, Eva Frontera, Francisco Cáceres, Montse Masia, Raquel Gutiérrez-Climente, Gregory L' Ambert, Hugo Osório, Gonçalo Seixas, **Francesco Defilippo**, Mattia Calzolari, Fabrizio Montarsi, Andrea Mosca, Jordi Figuerola, Mosquito management strategies in European rice fields: Environmental and public health perspectives, *Journal of Environmental Management*, Volume 370, 2024, 122534, ISSN 0301-4797, <https://doi.org/10.1016/j.jenvman.2024.122534>
- Branda, F.; Cella, E.; Scarpa, F.; Slavov, S.N.; Bevivino, A.; Moretti, R.; Degafu, A.L.; Pecchia, L.; Rizzo, A.; **Defilippo, F.**; et al. Wolbachia-Based Approaches to Controlling Mosquito-Borne Viral Threats: Innovations, AI Integration, and Future Directions in the Context of Climate Change. *Viruses* **2024**, *16*, 1868. <https://doi.org/10.3390/v16121868>
- Calzolari, M., Mosca, A., Montarsi, F. et al. Distribution and abundance of *Aedes caspius* (Pallas, 1771) and *Aedes vexans* (Meigen, 1830) in the Po Plain (northern Italy). *Parasites Vectors* **17**, 452 (2024). <https://doi.org/10.1186/s13071-024-06527-8>
- Bisaglia, B., Castelli, M., Soresinetti, L. et al. Barcoding of Italian mosquitoes (BITMO): generation and validation of DNA barcoding reference libraries for native and alien species of Culicidae. *Parasites Vectors* **17**, 407 (2024). <https://doi.org/10.1186/s13071-024-06478-0>

- Ottoboni, M., Ferrari, L., Bonilauri, P., Defilippo, F., Grisendi, A., Della Porta, M., Cazzola, R., & Pinotti, L. (2024). Multigenerational effect of seaweed or selenium enriched substrates on nutritional composition of black soldier fly (*Hermetia illucens*). *Journal of Insects as Food and Feed* (published online ahead of print 2024). <https://doi.org/10.1163/23524588-20230119>
- Cassaniti Irene, Ferrari Guglielmo, Senatore Sabrina, Rossetti Eva, Defilippo Francesco, Maffeo Manuel, Vezzosi Luigi, Campanini Giulia, Sarasini Antonella, Paolucci Stefania, Piralla Antonio, Lelli Davide, Moreno Ana, Bonini Maira, Tirani Marcello, Cerutti Lorenzo, Paglia Stefano, Regazzetti Angelo, Farioli Marco, Lavazza Antonio, Faccini Marino, Rovida Francesca, Cereda Danilo, Baldanti Fausto, Lombardy Dengue network. Preliminary results on an autochthonous dengue outbreak in Lombardy Region, Italy, August 2023. *Euro Surveill.* 2023;28(37):pii=2300471. <https://doi.org/10.2807/1560-7917.ES.2023.28.37.2300471>
- Defilippo F, Munari M, Grisendi A, Gaudio RM, D'Incau M, Lavazza A, Rubini S. Insect Colonisation and the Decomposition Process in Aerated versus Watertight Burial Systems. *Insects.* 2023; 14(6):566. <https://doi.org/10.3390/insects14060566>
- Grisendi A, Defilippo F, Lucchetti C, Listorti V, Ottoboni M, Dottori M, Serraino A, Pinotti L, Bonilauri P. Fate of *Salmonella enterica* Typhimurium and *Listeria monocytogenes* in Black Soldier Fly (*Hermetia illucens*) Larvae Reared on Two Artificial Diets. *Foods.* 2022; 11(15):2208. <https://doi.org/10.3390/foods11152208>
- Defilippo F, Carrera M, Lelli D, Canziani S, Moreno A, Sozzi E, Manarolla G, Chiari M, Marco F, Cerioli MP, et al. Distribution of Phlebotomine Sand Flies (Diptera: Psychodidae) in the Lombardy Region, Northern Italy. *Insects.* 2022; 13(5):463. <https://doi.org/10.3390/insects13050463>
- Defilippo F, Dottori M, Lelli D, Chiari M, Cereda D, Farioli M, Chianese R, Cerioli MP, Faccin F, Canziani S, et al. Assessment of the Costs Related to West Nile Virus Monitoring in Lombardy Region (Italy) between 2014 and 2018. *International Journal of Environmental Research and Public Health.* 2022; 19(9):5541. <https://doi.org/10.3390/ijerph19095541>

- Ferrari, L., Sele, V., Silva, M., Bonilauri, P., De Filippo, F., Selmin, F., Ørnsrud, R., Pinotti, L. and Ottoboni, M., 2022. Biofortification of selenium in black soldier fly (*Hermetia illucens*) prepupae reared on seaweed or selenium enriched substrates. *Journal of Insects as Food and Feed* 8: 887-899.. <https://doi.org/10.3920/JIFF2021.0153>
- Arnone S, De Mei M, Petrazzuolo F, Musmeci S, Tonelli L, Salvicchi A, Defilippo F, Curatolo M, Bonilauri P. Black soldier fly (*Hermetia illucens* L.) as a high-potential agent for bioconversion of municipal primary sewage sludge. *Environ Sci Pollut Res Int.* 2022 Sep;29(43):64886-64901. doi: [10.1007/s11356-022-20250-w](https://doi.org/10.1007/s11356-022-20250-w)
- Defilippo, F., Grisendi, A., Savoldelli, S., Torri, D., Dottori, M., & Bonilauri, P. (2019). Effect of temperature and diet on *Plodia interpunctella* (Lepidoptera: Pyralidae) development with special reference to Isomegalen diagram and accumulated degree days. *Journal of Entomological and Acarological Research*, 51(2). <https://doi.org/10.4081/jeur.2019.7855>
- Defilippo F, Bonilauri P, Dottori M. Effect of temperature on six different developmental landmarks within the pupal stage of the forensically important blowfly *Calliphora vicina* (Robineau-Desvoidy) (Diptera: Calliphoridae). *J Forensic Sci.* 2013 Nov;58(6):1554-7. <https://doi.org/10.1111/1556-4029.12199>
- Francesco Defilippo, Monica Cerioli, Mario Chiari, Marco Farioli, Francesca Faccin, Sabrina Canziani, Tiziana Trogu, Marco Tironi, Enrica Sozzi, Ana Moreno, Antonio Lavazza, Davide Lelli. Sorveglianza dei vettori dei virus West Nile e Usutu in Lombardia. ISSN: 1123-3117 (cartaceo) • 2384-8936 (online) [Rapporti ISTISAN 22/22](#)
- Francesco Defilippo, Sabrina Canziani, Cristina Malucelli, Tiziana Trogu, Mattia Calzolari, Giovanni Sala, Irene Bertoletti, Enrica Sozzi, Ana Moreno, Davide Lelli, Antonio Lavazza Prevenzione dell'introduzione e diffusione di specie esotiche invasive in Lombardia. ISSN: 1123-3117 (cartaceo) 2384-8936 (online) [Rapporti ISTISAN 22/22](#)

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Si autorizza al trattamento dei propri dati personali in conformità a quanto disposto dal D. Lgs. n. 196/2003.

Brescia 20/03/2026

NOME E COGNOME (FIRMA)

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