

Michele Castelli - *Curriculum vitae*

Education

-2010: Bachelor's degree in Molecular Biological Sciences at the University of Pisa, graded 110/110 *cum laude* (Supervisor Prof. Robert Vignali)

-2012: Master's degree in Molecular and Cell Biology at the University of Pisa, graded 110/110 *cum laude* (Supervisor Prof. Robert Vignali)

-2016: PhD in Biology at the University of Pisa (Supervisor Prof. Giulio Petroni). Dissertation title: "Bacterial symbionts of ciliates, from biodiversity to comparative genomics"

Professional experience

-April 2016– March 2017: Post-Doc researcher ("Assegnista di ricerca") at the University of Milan on the project "Biology, genomics and potential infectivity of bacteria of family *Midichloriaceae (Rickettsiales)*" (Principal investigator: Prof.ssa Chiara Bazzocchi)

-April 2017– March 2020: Post-Doc researcher ("Assegnista di ricerca") at the University of Milan on the project "Genomic evolutionary and metabolic analyses on host/intracellular symbiont systems" (Principal investigator: Prof. Claudio Bandi)

-May 2020– April 2021: Post-Doc researcher ("Assegnista di ricerca") at the University of Pavia on the project "Genome evolutionary analyses on intracellular bacterial symbionts" (Principal investigator: Prof. Davide Sasserà)

-May 2021– July 2021: Granted fellow ("Borsista di ricerca") at the University of Pavia on the project "Bioinformatic analyses for the setting of novel diagnostic methods for echinococcosis" (Principal investigator: Prof. Davide Sasserà)

-August 2021-present: Researcher ("Ricercatore a tempo determinato: contratto RTD –tipo A, SSD VET/06") at the Department of Biology Biotechnology, University of Pavia

Teaching activity

Didactic support activities, including seminars held during frontal lectures as well as practicals, for the following courses:

2013-2015: "Applied Protozoology and Parasitology" at the University of Pisa (Responsible: Prof. Sergey Fokin)

2013-2015: "Molecular Phylogeny and Systematic" at the University of Pisa (Responsible: Prof. Giulio Petroni)

2017-2020: "Biodiversity and Evolution" at the University of Milan (Responsible: Prof. Claudio Bandi)

2020-present: "Biomedical Parasitology" at the University of Pavia (Responsible: Prof. Davide Sasserà)

Starting from the academic year 2021-2022, Responsible of module 2 of the course “Micologia e Parassitologia con Tecniche di Laboratorio” (“Mycology and Parasitology with Laboratory Techniques”; 3 CFU- university credits), Master’s degree in “Biologia sperimentale ed applicata” (“Experimental and Applied Biology”) University of Pavia.

Scientific research activity

Starting from his PhD, the research activity of Michele Castelli were developed along the central topic of symbiosis *sensu lato*, focused on the study of the interactions between different organisms, spanning from parasitism to mutualism, from an evolutionary and functional perspective.

These subject were developed along several research lines pertaining numerous systems of study, such as in particular unicellular eukaryotes, arthropods (including vector organisms) and bacteria, and involved multiple approaches, including experimental activity with live organisms, molecular biology, bioinformatics and -omic sciences, optical and electron microscopy.

Scientific production

Author of **27** publications on international peer-reviewed journals (**6** as first author and **1** as corresponding author), **2** book chapters, and **14** presentations at national and international congresses (**1** as invited speaker)

Bibliometric indices (updated on 27th July 2021):

H-index: **12** (Scopus); **13** (Google Scholar)

Total citations: **345** (Scopus); **441** (Google Scholar)