



Teresa Pirollo

Date of birth: 26/02/1994 | **Place of birth:** Italy | **Nationality:** Italian | **Phone number:**

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Address: Via san Pietro 23 , 40064, Ozzano dell'Emilia (BO), Italy (Home)

WORK EXPERIENCE

UNIVERSITY OF BOLOGNA – DIMEVET, DEPARTMENT OF MTSPV – BOLOGNA, ITALY – BOLOGNA , ITALY

PHD STUDENT IN VETERINARY SCIENCE – 01/11/2022 – CURRENT

- Development of the research project: *"Development of innovative diagnostic protocols and alternative treatments for sustainable control of parasitic diseases in marine aquaculture."*
- Advanced diagnostics for the detection of parasites, bacteria, and viruses in freshwater, marine, and ornamental fish.

INSTITUTO DE ACUICULTURA TORRE DE LA SAL (IATS, CSIC) – CASTELLÓN, SPAIN

RESEARCH STAY – 01/04/2024 – 21/12/2024

Conducted a 7-month research project as part of the PhD program, focused on in vitro and in vivo evaluation of essential oils against *Sparicotyle chrysophrii*, a gill parasite in gilthead sea bream.

ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELLA LOMBARDIA E DELL'EMILIA ROMAGNA - IZSLER – BRESCIA , ITALY

VETERINARIAN FELLOW – 14/03/2021 – 30/10/2022

- Research project: *"Effects of disturbed habitat on fish welfare using Animal-Based Measures (ABMs)."*
- Diagnostic techniques for parasites, bacteria, and viruses in freshwater, marine, and ornamental fish

VARIOUS – BELLUNO-BOLOGNA, ITALY

BRAND PROMOTER IN THE FOOD SECTOR – 2015 – 2020

EDUCATION AND TRAINING

10/01/2023 – CURRENT Padova , Italy

POSTGRADUATE SCHOOL IN BREEDING, HYGIENE, PATHOLOGY OF AQUATIC SPECIES AND CONTROL OF DERIVED PRODUCTS University of Padua, Italy

Address Agripolis - Viale dell'Università, 16 - Legnaro (PD), 35020, Padova , Italy |

Website <https://www.unipd.it/allevamento-igiene-patologia-specie-acquatiche> | **Level in EQF** EQF level 8

01/2020 – 07/2021 Napoli, Italy

ADVANCED COURSE IN CONTROL OF THE FISHERIES PRODUCT CHAIN Università degli Studi di Napoli Federico II, Italy

Address Corso Umberto I 40 , 80138, Napoli, Italy | **Website** <https://www.unina.it>

08/2014 – 26/03/2020 Bologna, Italy

DEGREE IN VETERINARY MEDICINE University of Bologna – Alma Mater Studiorum, Italy

Website <https://www.unibo.it> | **Level in EQF** EQF level 7

07/2018 – 01/2019 Jelgava, Latvia

ERASMUS+STUDY PROGRAM Latvia University of Life Science and Technologies

Address 8 K. Helmaņa Street, 3004, Jelgava, Latvia | **Website** <https://www.ltu.lv/en>

03/2017 – 12/2018 Ozzano dell'Emilia (Bo), Italy

INTERNAL TRAINEE IN OBSTETRICS AND NEONATOLOGY OF COMPANION ANIMALS Veterinary Teaching Hospital, University of Bologna

Address via Tolara di Sopra, 50, 40064, Ozzano dell'Emilia (Bo), Italy

2013 Belluno, Italy

HIGH SCHOOL DIPLOMA IN SCIENCE Liceo scientifico "Galileo Galilei"

Address Via Gregorio XVI, 33, 32100, Belluno, Italy

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	B2
SPAGNOLO	B2	B2	B2	B2	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | manage email hosting service | Knowledge of library catalogues and scientific search tools | Reference Management Software Mendeley | Basic knowledge of R and RStudio | Statistical analysis and data processing | Proficient in GraphPad for statistical analysis and data visualization

CONFERENCES AND SEMINARS

06/06/2025 Napoli

Certificate of participation at the conference "I teleostei nella ricerca: dallo stabulario all'acquacoltura"

organized by SIPI and University of Naples Federico II

Link <https://www.sipi-online.it/incontro-tecnico-scientifico-sipi-2025/>

10/03/2025 Roma

Certificate of participation of the Workshop: "Sanità e acquacoltura: sfide e opportunità" Istituto Zooprofilattico delle Venezie

Link <https://www.izsvenezie.it/>

06/02/2025 Padova

Certificate of Participation in the AQUA-STRENGTH Project: "Application of GIS Technologies to Support Biosecurity and Epidemiological Analysis in Aquatic Animal Health Domain"

Link <https://www.izsvenezie.it/>

2021 – 2022 FAD course, Istituto zooprofilattico sperimentale della Lombardia e dell'Emilia Romagna

I PRODOTTI DELLA PESCA A 360°

28/04/2022 – 28/04/2022 Online Istituto zooprofilattico sperimentale del Piemonte, Liguria e Valle d'Aosta

ACQUACOLTURA E ITTIOPATOLOGIA NEL TERZO MILLENNIO. 1° AGGIORNAMENTO FORMATIVO IN ACQUACOLTURA

27/10/2021 – 27/10/2021 Webinar, Istituto zooprofilattico sperimentale delle Venezie

Benessere in allevamento ittico, dove stiamo andando?

Including oral presentation of the study *"Isolamento di Streptococcus iniae in un caso di mortalità in anguilla europea (Anguilla anguilla) d'allevamento"*

● CONFERENCES POSTER / ORAL PRESENTATIONS

20/01/2025 – 24/01/2025

Going all natural: in vitro evaluation of phytochemicals and essential oils for polyopisthocotylean control in gilthead sea bream aquaculture

Pirollo T., León A., Caffara M., Caneschi A., Gu, J., Estensoro I., Scozzoli M., Sitjà Bobadilla A., Palenzuela O.

XI International Symposium on Fish Parasites (ISFP)

27/06/2024 – 28/06/2024

Natural innovation: preliminary results of the in vitro evaluation of essential oils for controlling Sparicotylosis in gilthead sea bream

Pirollo T., Leon Jordan A.M., Scozzoli M., Caffara M., Gustinelli A., Fioravanti M.L., Palenzuela O.

XXVIII Congress S.I.P.I., Cesenatico

27/06/2024 – 28/06/2024

Indagine sugli agenti patogeni riscontrati in situazioni di disturbed habitat. considerazione sulla loro diffusione e rilevanza

Pirollo T., Alborali G.L., Salogni C.

XXVIII Convegno S.I.P.I., Cesenatico

27/06/2024 – 28/06/2024

Episodio di setticemia da Photobacterium damsela subsp. damsela in pesci violino (Rhinobatos rhinobatos) mantenuti in ambiente controllato

Bignami G., Pirollo T., Tedesco P., Quaglio F., Fioravanti M.L., Campesi E., Da Rugna C., Gridelli S., Gustinelli A.

XXVIII Congress S.I.P.I., Cesenatico

11/09/2023 – 14/09/2023

First report of Philometroides sanguineus (nematoda: Philometridae) in farmed goldfish (Carassius auratus) in Italy

Pirollo T., Tedesco P., Cantori A., Caffara M., Tentoni E., Tarocchi L., Fioravanti M.L., Gustinelli A.

21st International conference on Diseases of Fish and Shellfish, EAAP, Aberdeen, UK

22/06/2023 – 24/06/2023

Prima segnalazione di Philometroides sanguineus (nematoda: philometridae) in pesci rossi (Carassius auratus) allevati in pianura padana

Pirollo T., Tedesco P., Cantori A., Caffara M., Tentoni E., Tarocchi L., Fioravanti M.L., Gustinelli A.

XXVII Congress S.I.P.I., Genova

23/06/2022 – 25/06/2022

Grave episodio di branchiomicosi in tinche (Tinca tinca) allevate in coltura idroponica a ricircolo

Pirollo T., Pigoli C., Alborali G.L., Salogni C. (2022)

XXVI Congress S.I.P.I., Messina

23/06/2022 – 25/06/2022

Utilizzo delle lesioni cutanee come parametro per la valutazione di situazioni di disturbed habitat nei pesci: dati preliminari

Pirollo T., Capucchio M.T., Perotti M., Pastorino P., Alborali G.L., Salogni C.

XXVI Congress S.I.P.I., Messina

23/06/2022 – 25/06/2022

Seminoma bilaterale in una carpa koi (*Cyprinus carpio*): rilievi citologici e istopatologici

Pirollo T., Ghisleni G., Ghidelli A., Federico A., Brambilla E., Gibelli L.R., Salogni C., Pigoli C.

XXVI Congress S.I.P.I., Messina

23/06/2022 – 25/06/2022

Infezione da cocchi gram positivi in anguille (*Anguilla anguilla*) di allevamento

Pirollo T., Salogni C., Perolo A., Mantegari S., Barbieri I., Alborali G. L.

XXVI Congress S.I.P.I., Messina

15/06/2022 – 18/06/2022

Skin lesions as useful parameter for evaluation of disturbed habitat in fish: preliminary data

Pirollo T., Capucchio M.T., Perotti M., Pastorino P., Alborali G.L., Salogni C.

75° Congress S.I.S.Vet 2022, Lodi

PUBLICATIONS

2025

Caffara, M., Tedesco, P., Pirollo, T., Abdelfadel, A., Forzano, R., Fioravanti, M. L., Gustinelli, A. Nematode Infections in Commercially Important Squid Species: Distribution Patterns and Food Safety Issues

Zoonoses and Public Health, 0:1-8. <https://doi.org/10.1111/zph.13221>

2025

Pirollo, T., Tedesco, P., Fioravanti, M. L., Quaglio, F., Tarocchi, L., Tentoni, E., Gustinelli, A. First Report of *Philometroides sanguineus* (Nematoda: Philometridae) in Farmed Goldfish (*Carassius auratus*) in Italy

Journal of Fish Diseases, e14138. <https://doi.org/10.1111/jfd.14138>

2023

Pirollo, T., Perolo, A., Mantegari, S., Barbieri, I., Scali, F., Alborali, G.L., Salogni, C. Mortality in farmed European eel (*Anguilla anguilla*) in Italy due to *Streptococcus iniae*

Acta veterinaria Scandinavica, 65:5. <https://doi.org/10.1186/s13028-023-00669-y>

LECTURES AND TRAINING DELIVERED

25/02/2024 – 28/02/2024

Speaker at the training "Fish aquaculture and pathology", Soddo, Ethiopia

University of Bologna – Alma Mater Studiorum, Global South Project

- Lecturer on fish aquaculture and pathology, focusing on parasitic disease management and zoonoses.
- Practical training in necropsy techniques, parasitological examination, and parasite identification.

21/04/2023

Speaker at the seminar 'Il futuro e l'innovazione nella moderna acquacoltura', Cuneo, Italia

Presentation titled: 'Il benessere nell'allevamento ittico: come valutare il "disturbed habitat"

01/07/2025

Teresa Pirollo

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EAFP2025-A-7283

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Submission Info

Presentation Type: Oral Presentation
Session: Antimicrobial resistance and alternative treatments
Submitted on: Friday, 16 May 2025, 15:48
Status: Awaiting for review

Abstract

In vivo evaluation of a diet enriched with plant-based essential oils against Sparicotyle chrysophrii

Introduction

Sparicotyle chrysophrii poses a significant economic burden in net pen-based farming of gilthead sea bream (GSB) across the Mediterranean. Current c
This study evaluated three EO: *Salvia rosmarinus*, *Cinnamomum zeylanicum*, and *Origanum vulgare* -as in-feed antiparasitic agents during an experiment

Methodology

The in vivo trial was conducted in closed recirculation aquaculture systems (RAS), with four challenged groups fed EOs-enriched or control diets, ar
Results and Conclusions

Biometric and hematological parameters showed no significant differences among the four challenged groups, indicating good dietary acceptance. Howev
Survival analysis showed significant differences between diets, with *Origanum vulgare*-enriched diet significantly reducing mortality risk compared t
Regarding parasite variables, most fish were heavily infected; however, many individuals exhibited signs of severe anaemia despite having a low para
In conclusion, this study contributes valuable data on the biology and impact of *S. chrysophrii* while providing promising preliminary evidence supp

Authors

1. [PIROLLO, TERESA](#), UNIVERSITY OF BOLOGNA, **Presenter**
2. [LEON, ANA MARIA](#), Instituto de Acuicultura Torre de la Sal (IATS, CSIC), **Author**
3. [CAFFARA, MONICA](#), UNIVERSITY OF BOLOGNA, **Author**
4. [CANESCHI, ALICE](#), Società Italiana per la Ricerca sugli Oli Essenziali (SIROE), **Author**
5. [GU, JINNI](#), BioMar AS, Trondheim, Norway, **Author**
6. [ESTENSORO, ITZIAR](#), Instituto de Acuicultura Torre de la Sal (IATS, CSIC), **Author**
7. [SCOZZOLI, MAURIZIO](#), APA-CT srl, Forli, Italy, **Author**
8. [SITJA'-BOBADILLA, ARIADNA](#), Instituto de Acuicultura Torre de la Sal (IATS, CSIC), **Author**
9. [PALENZUELA, OSWALDO](#), Instituto de Acuicultura Torre de la Sal (IATS, CSIC), **Author**

EAFP2025-A-7315

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Submission Info

Presentation Type: Poster Presentation

Session: Other

Submitted on: Friday, 16 May 2025, 15:46

Status: Awaiting for review

Abstract

Integrated study on the biology and distribution of Red-mark syndrome-Midichloria-like organism in a Rainbow trout farm

Introduction

Red mark syndrome (RMS) is a disease that affects the Rainbow trout (*Oncorhynchus mykiss*), characterized by vivid red skin lesions, particularly after stress. The causative agent for RMS is still unproven albeit increasing evidence points to an uncultured bacterium belonging to the Midichloriaceae family (Molteni et al., 2024).

Methodology

A single trout farm selected for the study was sampled monthly over a year (ongoing), thus for the first time not focusing only on outbreak periods. With the aim of identifying other possible vectors/reservoirs in the micro- or meiofauna resident in the fish tanks, single organisms were isolated and characterized.

Results and Conclusions

Molecular analyses revealed that, in some fish tanks, RMS-MLO was present throughout the year, with a particularly high frequency during the spring months.

Authors

1. [Siviglia, Ylenia](#), Department of Veterinary Medical Sciences, University of Bologna, **Author**
2. [Vecchio, Davide](#), Department of Biology and Biotechnology, University of Pavia, **Author**
3. [Tedesco, Perla](#), Department of Veterinary Medical Sciences, University of Bologna, **Author**
4. [Allievi, Alessandro](#), Department of Biology, University of Pisa, **Author**
5. [Fesce, Elisa](#), Department of Veterinary Medicine and Animal Sciences, University of Milan, **Author**
6. [Losi, Paolo](#), Department of Biology and Biotechnology, University of Pavia, **Author**
7. [Gammuto, Leandro](#), Department of Biology and Biotechnology, University of Pavia, **Author**
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13. [Gustinelli, Andrea](#), Department of Veterinary Medical Sciences, University of Bologna, **Author**
14. [Quaglio, Francesco](#), Department Of Comparative Biomedicine and Food Science, University of Padova, **Author**
15. [Castelli, Michele](#), Department of Biology and Biotechnology, University of Pavia, **Author**



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

DIPARTIMENTO
DI SCIENZE MEDICHE
VETERINARIE

Ozzano Emilia (BO), 01/07/2025

To whom it may concern

The undersigned, Prof. Monica Caffara, in her capacity as supervisor of Dr. Teresa Pirollo, hereby certifies that Dr. Pirollo is a third-year Ph.D. student (38th cycle) at the University of Bologna.

Dr. Pirollo is conducting research within the project entitled "Development of innovative diagnostic protocols and alternative treatments for sustainable control of parasitic diseases in aquaculture" at the Department of Veterinary Medical Sciences (UNIBO).

Best regards

Monica Caffara DVM Ph.D

Dept. Veterinary Medical Sciences
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