

Curriculum Vitae Serena Cavallero

PERSONAL INFORMATION

Name Serena Cavallero
Address Via Domodossola 11, 00183 Roma
Phone +393404025926
Mail serena.cavallero@uniroma1.it; serena.cavallero@gmail.com
Nationality Italian
Date of birth 23/08/1982
CF CVLSRN82M63L117U

EDUCATION

PhD in Public Health Sciences and Microbiology in 2012 (Parasitology)

Thesis title: "Molecular systematics of Anisakid nematodes (*Anisakis* spp., *Pseudoterranova* spp., *Contracaecum* spp.)"

Master of Science in Applied Cellular Biology in 2008

Thesis title: "Sibling species in *Anisakis* (Nematoda: Anisakidae): hybrid zone hypothesis around Gibraltar Strait)"

Bachelor degree in Biological Sciences in 2007

Thesis title: "Genetic characterization of *Ascaris* spp. from different geographical regions"

WORK EXPERIENCES

Actual position: fixed term researcher in Parasitology at the Department of Public Health and Infectious Diseases of Sapienza University of Rome (RTDA VET/06)

2020-2029 Associate Professor qualification (Scientific sector Infective and Parasitic diseases of animals and humans - according to Italian national criteria)

Expert on Parasitology)for Microbiology course and Laboratory medicine examination committees (Pharmacy and Medicine Faculty Sapienza University of Rome).

Teaching activity for Microbiology course (elective teaching activity in parasitology, Pharmacy and Medicine Faculty Sapienza University of Rome), Food safety laboratory course for Science, culture and gastronomic policies for well-being (Health care professions, Pharmacy and Medicine Faculty Sapienza University of Rome); Parasitology course for Food and Science Technology (Sapienza-Tuscia graduation course).

Expert consultant

- National Project of Czech Republic "Czech Science Foundation" (2020)
- MSCA European Projects (2021, 2019)
- National Project of Poland (2021, 2019)
- ANGQ (Associazione Nazionale Garanzia della Qualità) for a training course on Molecular Phylogeny and Population Genetics at the UNIRELAB srl (MIPAAFT) (2018)
- Generon srl for development and validation of the commercial patented kit ANIKIT (qPCR based method to detect Anisakids DNA using qPCR) and training on validation processes (2016)
- FP7 European Projects (2015)

Post-doctoral research activities:

- Comparative transcriptomic analyses on Anisakid pathogenic species (2017-2018 Department of Public Health and Infectious Diseases of Sapienza University of Rome)
- One-Health approach: genetic variability in chamois subspecies in relation to epidemics (2013-2016 Department of Public Health and Infectious Diseases of Sapienza University of Rome)

- Microbiological safety in thermal bath facilities (2012 – Department of Clinical Science and Translational Medicine University of Rome Tor Vergata)

FELLOWSHIPS

- Comparative analyses in transcriptomes from zoonotic parasitic nematodes (*Anisakis* and *Hysterothylacium*) - **EMBO short term fellowship** (6876 application number ASTF 632-2016) (Department of veterinary medicine University of Cambridge January-March 2017)
- Characterization and risk mapping of zoonotic agents of helminthiasis in the Mediterranean Basin (**FILAS project – Regione Lazio** august 2016-january 2017)
- Molecular, biochemical and immunological characterization of helminths of public health concern – **Sapienza fellows to the Slovak Academy of Science** in Kosice (December 2012 – May 2013)
- Evolutionary processes in anisakid nematodes: from gene sequences to the hypotheses of speciation mechanisms, host-parasite co-phylogeny and morphological and life history evolution” – **Foreign Ministry, Technical and Scientific Cooperation fellow between Italy and U.S.A, University of California, Davis** - Department of Nematology (March 2010)

Training courses attended

Emergenza sanitaria da nuovo coronavirus SARS CoV-2: preparazione e contrasto (Corso FAD ISS Marzo 2020)

Basic Extracellular Vesicles (Coursera – ISEV 2019)

Rfam and RNACentral bioinformatic platforms course. European Institute of Bioinformatics EBI (Hinxton Cambridge UK 2019)

Extracellular vesicles in Helminths (Hydra, Greece 2019)

Echinococcosis: epidemiological, clinical, diagnostic and therapeutical aspects (Istituto Nazionale per le Malattie Infettive “Lazzaro Spallanzani” I.R.C.C.S. 2017)

Chikungunya: data, actions and criticisms (Sapienza 2017)

National Reference Laboratories meeting for food-borne parasites (Ministry of Health 2017)

Comparative methods in evolutionary biology (Stazione Zoologica Anton Dohrn, 2016)

Summer school “Fish Parasitology” (ECIP European centre of IchtyoParasitology e Masarik University, Faculty of Science- Brno, Czech Republic 2016)

RNA-SEQ Data analysis (University of Naples 2016)

HACCP course (Bio Invent snc Rome 2014)

Biosafety in laboratories (VWR International PBI S.r.l. Rome 2014)

Preventive and quality controls in Biobanks (PB - International Rome 2011)

Cystic Echinococcosis: Burden of Disease in the EU and Clinical Management” (ESCMID and WHO

Echinococcus group University of Pavia 2011)

Computational Molecular Evolution (EMBO, Greece 2010)

Comparative Genomics (Ecole Normal Superior, Lyon 2009)

HONORS AND AWARDS

Abilitation to Biology profession at Sapienza University of Rome (2011)

Member of the following scientific societies: International Society of Extracellular Vesicles (ISEV);

European society of Clinical Microbiology and Infectious Diseases (ESCMID); Società Italiana di Parassitologia (SOIPA); Società Italiana di Biologia Evoluzionistica (SIBE); Società Scientifica Veterinaria per l’Apicoltura (SVETAP).

Best young researcher for SOIPA in 2018, 2016, 2012.

Member of the organizing commission of SOIPA congress in 2014, Rome.

Invited chairperson at the X SEMINAR PhD Day Infectious Diseases, Microbiology and Public Health at the ISS Rome 2019 for the moderation of the session Infectious Diseases, Microbiology and Parasitology.

Invited chairperson at the “Fish parasitology” session at the European Multicolloquium of Parasitology

European Federation of Parasitologist (2021 Belgrade, Serbia October 12-16).

REVIEWER AND EDITORIAL ACTIVITIES

Guest Associate Editor for Frontiers in Veterinary Science (sections: Parasitology; Infectious Diseases – Surveillance, Prevention and Treatment, Parasitology Omics)

Editor for the Special Issue entitled “Women in parasitology” for Frontiers in Veterinary Science (Parasitology Section)

Guest Editor for the Special Issue entitled “Novel Omics Studies on Anisakid Nematodes” for Genes journal

Guest Editor for the Collection entitled “Zoonotic parasitic diseases in a changing world” for Frontiers in Veterinary Science (Parasitology Section)

Reviewer for: Scientific Reports, Plos Neglected Tropical Diseases, Plos One, Parasites and Vectors, Foodborne Pathogens and Disease, BMC Genomics, Veterinary Parasitology, Infection Genetic and Evolution, Helminthologia, Parasitology Research, Mediterranean Marine Science, Parasitology International, African Journal of Biotechnology.

PROJECTS funded to SC

- Istituto Pasteur Italia call 2020-2021 “EXPLORING PATHOGENICITY AND TUMORIGENIC POTENTIAL OF ANISAKIS PEGREFFII USING INTESTINAL ORGANOIDS”
- ESCMID Research Grant 2021 “Intestinal Organoids as a new model to unravel the role of exosomes in host-nematode interactions”
- Sapienza project 2019 “Deciphering host-parasite interactions using an *in-vitro* system with Caco-2 cells and *Anisakis* exosomal microRNA”
- Dissemination project on bees protection - “Eureka”-Roma 2018” project title “Roma ti apiamo”
- Sapienza project 2016 “Cryptic species in whipworms from humans and non-human primates: zoonotic risk in wildlife and captivity”
- ESCMID Research Grant 2015 “Comparative analyses on transcriptomes of anisakid pathogenic species”
- Sapienza project 2015 “Molecular characterization of *Trichuris* spp. from captive and domestic rodents”
- SOIPA project 2015 “Molecular characterization of *Trichuris* spp. from captive and domestic rodents, zoonotic implication”
- Sapienza project 2014 “Genotyping *Ascaris* spp. (Nematoda: Ascaridida) with High Resolution Melting approach”

COLLABORATIVE PROJECTES

- The genome of the zoonotic parasite *Anisakis pegreffii* as a framework for deepen the knowledge on host-parasite interaction (Sapienza 2020 Prof D’Amelio S)
- The host-parasite interface: characterization of non-coding RNAs in exosomes from anisakid nematodes of human health concern (Sapienza 2018 Prof D’Amelio S, Prof Lombardo F, Dr. Arcà B., Dr. Cavallero S)
- Echinococcosi cistica...al lavoro: azioni in-formative per la prevenzione e gestione del rischio zoonosico nella regione Sardegna - Progetto di azione prevezionale, Dir. Regionale INAIL (2018)
- Identification, genetic diversity and phylogeny of intestinal nematodes from Galápagos land iguanas *Conolophus subcristatus* and *Conolophus marthae*. SOIPA 2018 (Università di Roma Tor Vergata Dr. Berrilli F, Dr. Montalbano Di Filippo M, Dr. Cavallero S).

- Causative relation among MHC heterozygosity, fertility and parasites in deer populations of Parco Nazionale dello Stelvio – Dr. Corlatti L, Prof D’Amelio S, Dr Cavallero S.
- Non-invasive sampling methods in wild and captive primates – Units of Primatology CNR (Dr Visalberghi, Dr Truppa).
- Interactions between *Escherichia coli* and nematodes in free living and parasitic models. Sapienza 2015 (Prof Longhi C, Prof D’Amelio, Dr Cavallero S).
- Genomics and host-pathogen interaction: a study model in the One-Health perspective–PRIN 2011-2014 Prof D’Amelio
- Molecular epidemiology of ascariasis: A perspective on the transmission dynamics of *Ascaris* in people and pigs in endemic and non-endemic countries Sapienza 2015 (Prof D’Amelio).
- Study on the presence and distribution of nematode larvae of the family Anisakidae in anchovies (*Engraulis encrasicolus*) fished on the Lazio coast and in euryhaline fish species farmed in sea cages – Progetto di ricerca corrente 2010-2013 Istituto Zooprofilattico sperimentale del Lazio e della Toscana
- Surveillance of priority and emerging diseases in wildlife in the Alpine Central and Eastern Europe – Progetto Ricerca corrente 2009 dell’Istituto Zooprofilattico Sperimentale delle Venezie
- Molecular, biochemical and immunological characterization of helminths of public health concern. Slovak Academy of Science (Dr. Snabel V).
- Host-pathogen interaction in pyrenean chamois populations exposed to pestivirus - (Universidad Autonoma de Barcelona, Prof. Ignasi, Lavín, Prof López-Olvera)

PERSONAL SKILLS

Language	Italian
Other languages	English
Reading	Good
Writing	Good
Speaking	Good

Specific skills

Molecular biology methods (DNA, RNA, PCR, RFLP, Real Time PCR, HRM, CDNA, miRNAs) sequences analyses, phylogeny, population genetics, morphology (Chromas, Trace, MEGA; DnaSP, Arlequin, Beast, MrBayes, PamL, FigTree, Dendroscope, TCS, Network, PopArt). NGS approaches: mapping assembly and annotation RNAseq, DEGs, miRNAs. Microsoft Office, Adobe Photoshop cs3 and Linux (Ubuntu system).

Other activities and interests

In 2015 established the non-profit association BUONO, with the aim to disseminate science and nature protection by the bees’ world (www.ilmielebuono.it). Project manager and research activity manager. National Habilitation to sensory analyses of honeys (CRA-API Bologna).

Relational skills

Good experience in team work, in multicultural environment and good experience in leadership e time-planning

Practical skill

Good ability in coordination, planning and time organization. Good problem - solving and elaboration of contingency plan.

Drive license

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Publications in peer-reviewed journals

1. **Cavallero, S.**, Bellini, I., Pizzarelli, A., Arcà, B., D'Amelio, S. (2022) A miRNAs catalogue from third-stage larvae and extracellular vesicles of *Anisakis pegreffii* provides new clues for host-parasite interplay Scientific Reports, 12 (1), 9667.
2. **Cavallero, S.**, Bellini, I., Pizzarelli, A., D'Amelio, S. (2022) What Do In Vitro and In Vivo Models Tell Us about Anisakiasis? New Tools Still to Be Explored Pathogens, 11 (3), 285.
3. Šnábel, V., Kuzmina, T.A., Antipov, A.A., Yemets, O.M., **Cavallero, S.**, Miterpáková, M., D'Amelio, S., Antolová, D., Vasilková, Z., Sařamatin, R. (2022) Molecular Study of *Echinococcus granulosus* Cestodes in Ukraine and the First Genetic Identification of *Echinococcus granulosus* Sensu Stricto (G1 Genotype) in the Country. Acta Parasitologica, 67 (1), pp. 244-254.
4. Šmigová, J., Šnábel, V., **Cavallero, S.**, Šmiga, L., Šoltys, J., Papaj, J., Papajová, I. Neglected Diseases—Parasitic Infections among Slovakian Children from Different Populations and Genotypes of *Giardia duodenalis* (2022) Microorganisms, 10 (2), 381.
5. **Cavallero, S.**, Di Filippo, M.M., Mori, E., Viviano, A., De Liberato, C., Sforzi, A., D'Amelio, S., Berrilli, F. (2021) Morphological and molecular characterization of *Trichuris* sp. (nematoda: Trichuridae) in crested porcupines (*Hystrix cristata*; rodentia: Hystricidae) from Italy. Diversity, 13 (12), 628.
6. Rondón, S., **Cavallero, S.**, Renzi, E., Link, A., González, C., D'Amelio, S. (2021) Parasites of free-ranging and captive american primates: A systematic review. Microorganisms, 9 (12), 2546.
7. Romano, G., Pepe, P., **Cavallero, S.**, Cociancic, P., Di Libero, L., Grande, G., Cringoli, G., D'Amelio, S., Rinaldi, L. (2021) Ascariasis in a 75-year-old man with small bowel volvulus: a case report. BMC Infectious Diseases, 21 (1), 1045.
8. **Cavallero, S.**, Rondón, S., Monterrosa, I.A., Šnábel, V., Papajová, I., Goldová, M., Štrkolcová, G., Caraballo, L., Acevedo, N., D'Amelio, S. (2021) Genotyping of *Ascaris* spp. infecting humans and pigs in Italy, Slovakia and Colombia. Infection, Genetics and Evolution, 94, art. no. 104997.
9. **Cavallero, S.**, Lombardo, F., D'Amelio, S. Novel omics studies on anisakid nematodes (2021) Genes, 12 (8), art. 1250.
10. **Cavallero, S.**, Gabrielli, S., Gazzonis, A.L., Pombi, M., Šnábel, V. (2021) Editorial: Zoonotic Parasitic Diseases in a Changing World. Frontiers in Veterinary Science, 8, art. no. 715112.
11. **Cavallero, S.**, Di Filippo, M.M., Rondón, S., De Liberato, C., D'Amelio, S., Friedrich, K.G., Berrilli, F. (2021) Nuclear and mitochondrial data on trichuris from macaca fuscata support evidence of host specificity. Life, 11 (1), art. no. 18, pp. 1-9.
12. **Cavallero S.**, D'Amelio S. (2021) Anisakis: From Molecular Identification to Omic Studies. pp.415-424. In Molecular Food Microbiology - ISBN:9780815359500. (In FOOD MICROBIOLOGY series - book chapter)
13. Peradotto M, Rolle E, Zaccaria T, **Cavallero S**, Bondi A, Bottino P, De Angelis C, D'Amelio S, Saracco GM, Cavallo R. (2021) An unpleasant souvenir: Endoscopic finding of *Trichuris trichiura* (Nematoda: Trichuridae). Parasitol Int. 80:102220.
14. D'Amelio S, **Cavallero S** (2020). Geohelminths. pp.1-10. In Encyclopedia of Infection and Immunity - ISBN:9780128012383 DOI:10.1016/B978-0-12-818731-9.00025-2.
15. **Cavallero S**, Montalbano Di Filippo M, Rondón S, Liberato C, D'Amelio S, Friedrich KG, Berrilli F. (2020) Nuclear and Mitochondrial Data on *Trichuris* from *Macaca fuscata* Support Evidence of Host Specificity. Life (Basel). 31;11(1):18.
16. Martini A, Pietrafesa E, Rondinone B, Iavicoli S, D'Amelio S, **Cavallero S**, Bonafede M. (2020). Toxoplasmosis and knowledge: What do the Italian women know about? Epidemiology and Infection, 148, E256.
17. D'Amelio S, Lombardo F, Pizzarelli A, Bellini I, **Cavallero S**. Advances in Omic Studies Drive Discoveries in the Biology of Anisakid Nematodes. Genes (Basel). 2020;11(7):E801. doi:10.3390/genes11070801
18. **Cavallero S**, Lombardo F, Salvemini M, Pizzarelli A, Cantacessi C, D'Amelio S. Comparative Transcriptomics Reveals Clues for Differences in Pathogenicity between *Hysterothylacium aduncum*, *Anisakis simplex* sensu stricto and *Anisakis pegreffii*. Genes (Basel). 2020;11(3):321. doi:10.3390/genes11030321

19. Turchetto S, Obber F, Rossi L, D'Amelio S, **Cavallero S**, Poli A, Parisi F, Lanfranchi P, Ferrari N, Dellamaria D, Citterio CV. Sarcoptic Mange in Wild Caprinae of the Alps: Could Pathology Help in Filling the Gaps in Knowledge? (2020) *Front. Vet. Sci.* 7:193. doi: 10.3389/fvets.2020.00193
20. Panayotova-Pencheva M, Šnábel V, Dakova V, Čabanová V, **Cavallero S**, Trifonova A, Mirchev R, Hurníková Z, Vasilková Z, Miterpáková M. *Dirofilaria immitis* in Bulgaria: the first genetic baseline data and an overview of the current status. (2020) *Helminthologia* 57, 3: 211 – 218.
21. Šnábel V, Antolová D, **Cavallero S**, D'Amelio S. On the geographic genetic variants of the cestode *Echinococcus multilocularis* with reference to the original descriptions from Bowles et al. (1992) and Bowles and McManus (1993), and their use. (2020) *Parasitol Int.* 75:102039. doi:10.1016/j.parint.2019.102039.
22. Montalbano Di Filippo M, Berrilli F, De Liberato C, Di Giovanni V, D'Amelio S, Friedrich KG, **Cavallero S**. (2020) Molecular characterization of *Trichuris* spp. From captive animals based on mitochondrial markers. *Parasitol Int.* 75:102043. doi: 10.1016/j.parint.2019.102043.
23. Abtahi M, Eslami G, **Cavallero S**, Vakili M, Hosseini SS, Ahmadian S, Boozhmehrani MJ, Khamesipour A. (2020) Relationship of *Leishmania* RNA Virus (LRV) and treatment failure in clinical isolates of *Leishmania major*. *BMC Res Notes.* 4;13(1):126. doi: 10.1186/s13104-020-04973-y.
24. Hammad S. J., **Cavallero S**, Al-Nasiri FS, D'Amelio S. Comparative study among lactophenol blue, lactophenol solution and proteinase-K lytic solution for rostellar hooks morphometry of *Echinococcus granulosus* protoscolices. *Helminthologia*, 57:1. Doi:https://doi.org/10.2478/helm-2020-0010.
25. Jarošová J, Antolová D, Šnábel V, Guimarães N, Štofík J, Urban P, **Cavallero S**, Miterpáková M. The fox tapeworm, *Echinococcus multilocularis*, in grey wolves and dogs in Slovakia: epidemiology and genetic analysis. *J Helminthol.* 2020;94:e168. doi:10.1017/S0022149X20000528
26. Jarošová J, Šnábel V, **Cavallero S**, Chovancová G, Hurníková Z, Antolová D. The Mouse Bile Duct Tapeworm, *Hymenolepis microstoma* in Free-living Small Mammals in Slovakia: Occurrence and Genetic Analysis. (2020) *Helminthologia.* 57(2):120-128. doi:10.2478/helm-2020-0022
27. Jarošová J, Antolová D, Šnábel V, Miklisová D, **Cavallero S** (2020) The dwarf tapeworm *Hymenolepis nana* in pet rodents in Slovakia – epidemiological survey and genetic analysis. *Parasitol Res.*;119(2):519-527. doi: 10.1007/s00436-019-06565-7.
28. **Cavallero S**, El Sherif RA, Pizzarelli A, El Fitri AA, El Showdhi M, Benmosa F, D'Amelio S. (2019) Occurrence of *Anisakis* and *Hysterothylacium* nematodes in Atlantic chub mackerels from Libyan coasts. *Helminthologia*, 56, 4: 347 – 352
29. **Cavallero S**, Nejsum P, Cutillas C, Callejón R, Doležalová J, Modrý D, D'Amelio S. (2019) Insights into the molecular systematics of *Trichuris* infecting captive primates based on mitochondrial DNA analysis. *Vet Parasitol.* 272:23-30. doi: 10.1016/j.vetpar.2019.06.019.
30. **Cavallero S**, Martini A, Migliara G, De Vito C, Iavicoli S, D'Amelio S. (2018) Anisakiasis in Italy: Analysis of hospital discharge records in the years 2005-2015. *PLoS One.* 11; 13 (12): e0208772. doi: 10.1371/journal.pone.0208772.
31. Massolo A, Valli D, Wassermann M, **Cavallero S**, D'Amelio S, Meriggi A, Torretta E, Serafini M, Casulli A, Zambon L, Boni CB, Ori M, Romig T, Macchioni F. (2018) Unexpected *Echinococcus multilocularis* infections in shepherd dogs and wolves in south-western Italian Alps: A new endemic area? *Int J Parasitol Parasites Wildl.* 13;7(3):309-316. doi: 10.1016/j.ijppaw.2018.08.001
32. Montalbano Di Filippo M, Meoli R, **Cavallero S**, Eleni C, De Liberato C, Berrilli F. (2018) Molecular identification of *Mesocestoides* sp. metacestodes in a captive gold-handed tamarin (*Saguinus midas*). *Infect Genet Evol* Aug 12 ;65:399-405. doi: 10.1016/j.meegid.2018.08.008.
33. **Cavallero S**, D'Amelio S (2018) *Anisakis*: from molecular identification to “omics” studies (chapter 29) in “Molecular food microbiology, Boca Raton, Florida:CRC Press Taylor e Francis Group.
34. D'Amelio S, Snabel V, **Cavallero S** (2018) *Ascaris* (chapter 78) in *Handbook of Foodborne Diseases* pp 843-850 (Boca Raton, Florida:CRC Press Taylor e Francis Group, ISBN 9781138036307 - CAT# K31813).
35. **Cavallero S**, Lombardo F, Su X, Salvemini M, Cantacessi C, D'Amelio S (2018) Tissue-specific transcriptomes of *Anisakis simplex* (sensu stricto) and *Anisakis pegreffii* reveal potential molecular mechanisms involved in pathogenicity. *Parasit Vectors*, 11, 31.

36. Hammad SJ, **Cavallero S**, Milardi GL, Gabrielli S, D'Amelio S, Al-Nasiri FS (2018) Molecular genotyping of *Echinococcus granulosus* in the North of Iraq. *Vet Parasitol* 15;249:82-87
37. Šnabel V, Calma C, Georgescu SO, **Cavallero S**, D'Amelio S, Vadilkova Z, Ito A. (2017) Genetic survey of alveolar and cystic echinococcosis in Romania: first molecular evidence of *Echinococcus multilocularis* in humans in the Country. *Helminthologia*, 54, 3: 189-198. DOI 10.1515/helm-2017-0025
38. **Cavallero S**, Bruno A, Arletti E, Caffara M, Fioravanti ML, Costa A, Cammilleri G, Graci S, Ferrantelli V, D'Amelio S. (2017). Validation of a commercial kit aimed to the detection of pathogenic anisakid nematodes in fish products. *Int J Food Microbiol* (257), 75–79.
39. Gazzonis AL, **Cavallero S**, Zanzani SA, Olivieri E, Malandra R, Ranghieri R, D'Amelio S, Manfredi MT. (2017). *Anisakis* sp. and *Hysterothylacium* sp. larvae in anchovies (*Engraulis encrasicolus*) and chub mackerel (*Scomber colias*) in the Mediterranean Sea: Molecular identification and risk factors. *Food Control* 366-373, ISSN: 0956-7135, doi: 10.1016/j.foodcont.2017.05.004
40. **Cavallero S**, Pombi M, Perrone V, Milardi GL, D'Amelio S, Giuliani C, Gabrielli S. (2017) *Gasterophilus intestinalis* (Diptera: Oestridae) in the diaphragmatic muscle: An unusual finding. *Vet Parasitol.* 15;237: 117-121. (IF 2.24)
41. Luzzago C, Ebranati E, Cabezón O, Fernández-Sirera L, Santiago L, Rosell R, Veo C, Rossi L, **Cavallero S**, Lanfranchi P, Marco I, Zehender G. (2016) Spatial and Temporal Phylogeny of Border Disease Virus in Pyrenean Chamois (*Rupicapra p. pyrenaica*) PLOS ONE 11(12):e0168232.
42. Šnabel V, Kuzmina T, **Cavallero S**, D'Amelio S, Georgescu SO, Szénási S, Cielecka D, Sałamatin R, Yemets A, Kucsera I (2016) A molecular survey of *Echinococcus granulosus* sensu lato in central-eastern Europe. *Open Life Sci.* 11: 524–532. DOI 10.1515/biol-2016-0066
43. **Cavallero S**, Scribano D, D'Amelio S. (2016) First case report of invasive pseudoterranoviasis in Italy. *Parasitol Int.* 65(5 Pt A):488-90. doi:10.1016/j.parint.2016.07.003.
44. Visalberghi E, Cavallero S, Fragaszy DM, Izar P, Aguiar RM, Truppa V (2015) Making use of Chapuchins' behavioral propensities to obtain hair samples for DNA analyses. *Neotrop Primates*, vol. 2, p. 89-93, ISSN: 1413-4703
45. **Cavallero S**, De Liberato C, Friedrich KG, Di Cave D, Masella V, D'Amelio S, Berrilli F. (2015). Genetic heterogeneity and phylogeny of *Trichuris* spp. from captive non-human primates based on ribosomal DNA sequence data. *Infect Genet Evol.* 2015 Aug;34:450-6. doi: 10.1016/j.meegid.2015.06.009.
46. **Cavallero S**, Magnabosco C, Civettini M, Boffo L, Mingarelli G, Buratti P, Giovanardi O, Fortuna CM, Arcangeli G. (2015). Survey of *Anisakis* sp. and *Hysterothylacium* sp. in sardines and anchovies from the North Adriatic Sea. *Int J Food Microbiol* DOI: 10.1016/j.ijfoodmicro.2015.01.017.
47. **Cavallero S**, Costa A, Caracappa S, Gambetta B, D'Amelio S. (2014) Putative hybrids between two *Anisakis* cryptic species: molecular genotyping using High Resolution Melting. *Exp Parasitol*, doi: 10.1016/j.exppara.2014.08.017.
48. **Cavallero S**. (2014) Letter to the Editor, *Journal of Food Quality and Hazard Control*, 1 (66): eISSN: 2345-6825.
49. Costa G, Chada T, Melo-Moreira E, **Cavallero S**, D'Amelio S. (2014) Endohelminth parasites of the leafscale gulper shark, *Centrophorus squamosus* (Bonnaterre, 1788) (Squaliformes: Centrophoridae) off Madeira Archipelago. *Acta Parasitol* 59: 316-22.
50. De Liberato C, Bossù T, Scaramozzino P, Nicolini G, Ceddia P, Mallozzi S, **Cavallero S**, D'Amelio S. (2013) Presence of Anisakid Larvae in the European Anchovy, *Engraulis encrasicolus*, Fished Off the Tyrrhenian Coast of Central Italy. *J Food Protection* 76 (9): 1643-1648.
51. **Cavallero S**, Šnabel V, Pacella F, Perrone V, D'Amelio S. (2013) Phylogeographical studies of *Ascaris* spp. based on ribosomal and mitochondrial DNA sequences. *PLOS NTD* 7: e2170 doi: 10.1371/journal.pntd.0002170.
52. Berrilli F, Di Cave D, **Cavallero S**, D'Amelio S. (2012) Interactions between parasites and microbial communities in the human gut. *Front Cell Infect Microbiol*, doi: 10.3389/fcimb.2012.00141.
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