

SOIPA
Società Italiana di Parassitologia

All'attenzione del Comitato Scientifico SolPa

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Oggetto: Informazioni utili per la redazione della relazione annuale 2018 da parte del Comitato Scientifico

1. Congresso Nazionale

Il XXX Congresso della Società si è tenuto a Milano dal 26 al 29 giugno 2018 dal tema "Mutamenti ambientali e parassiti". Hanno partecipato al congresso 133 studiosi e studiosi della parassitologia provenienti da 24 diverse istituzioni.

Il Programma completo è consultabile sul sito <http://www.soipamilano2018.it/>

2. Eventi scientifici e formativi patrocinati dalla Società

- Parasitology Summer Course, giunto alla sesta edizione. Dal 30 giugno al 7 luglio 2018 presso il Parco Regionale di Gallipoli Cognato, Matera.
- Endoparassiti dei ruminanti: realtà sempre attuali. 8 novembre 2018 presso la Facoltà di Medicina Veterinaria di Teramo.
- Microbiota: la medicina clinica e la medicina di laboratorio si parlano. 28-29 novembre 2018 presso l'Ospedale Pediatrico Bambino Gesù, Roma.

Le locandine con i programmi sono consultabili sul sito <https://www.soipa.it/eventi-patrocinati-soipa/>

3. Promozione della ricerca: finanziamenti i e premi per Soci Giovani

- Premi per la partecipazione al XXX Congresso SolPa. La SolPa ha bandito n. 10 premi per Soci Giovani, ciascuno dei quali è consistito nel finanziamento della quota di iscrizione al XXX Congresso SolPa. I premi sono stati assegnati sulla base del Curriculum Vitae e dell'abstract di Comunicazione Orale nella quale il giovane ricercatore candidato al premio risultasse come primo Autore. Ulteriori informazioni sul sito <https://www.soipa.it/2018/02/15/premi-la-partecipazione-al-xxx-congresso-soipa/>
- Borse per l'avvio alla ricerca 2017. La SolPa ha destinato risorse per 4 borse di 3000€ ciascuna rivolte ai Soci Giovani, per favorire l'attività scientifica di giovani ricercatori tramite l'avvio di progetti di ricerca innovativi e di eccellenza nell'ambito della Parassitologia e delle Malattie Parassitarie, da svolgersi nell'anno 2018. Ulteriori informazioni sul sito <https://www.soipa.it/2017/11/10/borse-l-avvio-alla-ricerca-2017/>

- Borsa di studio per la partecipazione al VI Parasitology Summer Course da parte di un Socio Giovane. Ulteriori informazioni sul sito <https://www.soipa.it/2018/01/16/vi-parasitology-summer-course/>

4. Attività scientifica dei Soci

4.1. H index

H index riportato da Scopus per il periodo 2008-2018 per tutti i Soci (n=191, di cui Soci Giovani n=59):

- H index totale: 1858
- H index medio: 9.7

4.2. Pubblicazioni

Pubblicazioni 2018 segnalate dai Soci (massimo 3 per Socio, fornite da n=65 Soci):

1. A Geographical Information System Based Approach for Integrated Strategies of Tick Surveillance and Control in the Peri-Urban Natural Reserve of Monte Pellegrino (Palermo, Southern Italy). Torina A, Blanda V, Blanda M, Auteri M, La Russa F, Scimeca S, D'Agostino R, Disclafani R, Villari S, Currò V, Caracappa S. *Int J Environ Res Public Health*. 2018 Feb 27;15(3).
2. A national survey of Ixodidae ticks on privately owned dogs in Italy. Maurelli M.P., Pepe P., Colombo L., Armstrong R., Battisti E., Morgoglione M.E., Counturis D., Rinaldi L., Cringoli G., Ferroglio E., Zanet S. *Parasit Vectors*. 2018 Jul 16;11(1):420
3. A novel nested polymerase chain reaction assay targeting Plasmodium mitochondrial DNA in field-collected Anopheles mosquitoes. Calzetta M, Perugini E, Seixas G, Sousa CA, Guelbeogo WM, Sagnon N, Della Torre A, Pinto J, Pombi M, Mancini E. *Med Vet Entomol*. 2018 Sep;32(3):372-377.
4. Activity of *Salvia dolomitica* and *Salvia somalensis* Essential Oils against Bacteria, Molds and Yeasts. Ebani VV, Nardoni S, Bertelloni F, Giovanelli S, Ruffoni B, D'Ascenzi C, Pistelli L, Mancianti F. *Molecules*. 2018 Feb 13;23(2). pii: E396.
5. Activity of selected essential oils on spoiling fungi cultured from Marzolino cheese. Nardoni S, D'Ascenzi C, Caracciolo I, Mannaioni G, Papini RA, Pistelli L, Najjar B, Mancianti F. *Ann Agric Environ Med*. 2018 Jun 20; 25(2):280-284.
6. AlistagTM, a new coating agent for aging cheese and hams. Principato MA, Cascone S, Goga BTC, Moretta I, Principato S. *Ital J Food Saf*. 2018 Jul 3;7(2):7043.
7. Analysis of natural female post-mating responses of *Anopheles gambiae* and *Anopheles coluzzii* unravels similarities and differences in their reproductive ecology. Thailayil J, Gabrieli P, Caputo B, Bascuñán P, South A, Diabate A, Dabire R, della Torre A, Catteruccia F. *Sci Rep*. 2018 Apr 26;8(1):6594.
8. *Anisakis pegreffii* impacts differentiation and function of human dendritic cells. Napolitano C, Mattiucci S, Colantoni A, Battisti F, Zizzari IG, Rahimi H, Nuti M, Rughetti A. *Parasite Immunol*. 2018 May;40(5):e12527.
9. *Anisakis* sensitization in different population groups and public health impact: A systematic review. Mazzucco W, Raia DD, Marotta C, Costa A, Ferrantelli V, Vitale F, Casuccio A. *PLoS One*. 2018 Sep 20;13(9):e0203671.
10. *Anisakis* spp. larvae in different kinds of ready to eat products made of anchovies (*Engraulis encrasicolus*) sold in Italian supermarkets. Guardone L, Nucera D, Lodola LB, Tinacci L, Acutis PL, Guidi A, Armani A. *Int J Food Microbiol*. 2018 Mar 2;268:10-18.
11. Antimicrobial Activity of Five Essential Oils against Bacteria and Fungi Responsible for Urinary Tract Infections. Ebani VV, Nardoni S, Bertelloni F, Pistelli L, Mancianti F. *Molecules*. 2018 Jul 9;23(7). pii: E1668.
12. Are Tree Squirrels Involved in the Circulation of Flaviviruses in Italy? Romeo C, Lecollinet S, Caballero J, Isla J, Luzzago C, Ferrari N, García-Bocanegra I. *Transbound. Emerg. Dis*. 2018 Sept;65 (5): 1372–76.
13. Artemisone and Artemiside Are Potent Panreactive Antimalarial Agents That Also Synergize Redox Imbalance in *Plasmodium falciparum* Transmissible Gametocyte Stages. Coertzen D, Reader J, van der Watt M, Nondaba SH, Gibhard L, Wiesner L, Smith P, D'Alessandro S, Taramelli D, Wong

- HN, du Preez JL, Wu RWK, Birkholtz LM, Haynes RK. *Antimicrob Agents Chemother.* 2018 Jul 27;62(8). pii:e02214-17.
14. Arthropod-borne pathogens of dogs and cats: From pathways and times of transmission to disease control. Otranto D. *Vet Parasitol.* 2018 Feb 15; 251:68-77. Review.
 15. Arthropods and associated pathogens from native and introduced rodents in Northeastern Italy. Mori E, Pisanu B, Zozzoli R, Solano E, Olivieri E, Sasseria D, Montagna M., *Parasitol Res.* 2018 Oct
 16. Atypical outbreak of acute coenurosis by *Taenia multiceps* in a sheep flock. Pintus D, Varcasia A, Dessì G, Tamponi C, Manunta ML, Carboni GA, Cancedda MG, Ligios C, Scala A. *Parasitology Research.* 2018 117 (6):1985-1988.
 17. Behavioral asymmetries in ticks - Lateralized questing of *Ixodes ricinus* to a mechatronic apparatus delivering host-borne cues. Benelli G, Romano D, Rocchigiani G, Caselli A, Mancianti F, Canale A, Stefanini C. *Acta Trop.* 2018 Feb; 178:176-181.
 18. Benzimidazole derivatives endowed with potent antileishmanial activity. Tonelli M, Gabriele E, Piazza F, Basilico N, Parapini S, Tasso B, Loddo R, Sparatore F, Sparatore A. *J Enzyme Inhib Med Chem.* 2018 Dec;33(1):210-226.
 19. Biological compatibility between two temperate lineages of brown dog ticks, *Rhipicephalus sanguineus* (sensu lato). Dantas-Torres F, Latrofa MS, Ramos RAN, Lia RP, Capelli G, Parisi A, Porretta D, Urbanelli S, Otranto D. *Parasit Vectors.* 2018 Jul 9;11(1):398.
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 21. Biotic and abiotic factors shape the microbiota of wild-caught populations of the arbovirus vector *Culicoides imicola*. Díaz-Sánchez S, Hernández-Jarguín A, Torina A, Fernández de Mera IG, Estrada-Peña A, Villar M, La Russa F, Blanda V, Vicente J, Caracappa S, Gortazar C, de la Fuente J. *Insect Mol Biol.* 2018 Dec;27(6):847-861.
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 23. Case report: First report of autochthonous human cutaneous myiasis caused by *hypoderma lineatum* in Europe. Rappelli, P., Varcasia, A., Vargiu, A., Scala, A. *American Journal of Tropical Medicine and Hygiene* 2018, 99 (3), pp. 618-619.
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38. Ecological and histopathological aspects of *Didymodictynus* sp. (Trematoda: Didymozoidae) parasite of the dusky grouper, *Epinephelus marginatus* (Osteichthyes: Serranidae), from the western Mediterranean Sea. Polinas M, Mele S, Padrós F, Merella P, Antuofermo E, Gouraguine A, Reñones O. *J Fish Dis.* 2018 Sep;41(9):1385-1393.
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41. Equine gastric ulcer syndrome in adult donkeys: Investigation on prevalence, anatomical distribution, and severity. Sgorbini M, Bonelli F, Papini R, Busechian S, Briganti A, Laus F, Faillace V, Zappulla F, Rizk A, Rueca F. *Equine vet Educ.* 2018 30(4) 206-210
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4.3. Progetti di ricerca

Progetti di ricerca 2018 finanziati da agenzie nazionali e internazionali segnalati dai Soci

Ministero della Salute:

- **Epidemiological analysis aiming to evaluate feasibility of a national surveillance system for Cystic Echinococcosis.** 2017-2019. Principal investigator: Adriano Casulli. Funded by the Italian Ministry of Health (Centro Nazionale per la Prevenzione ed il Controllo delle Malattie – Azione Centrale).
- **Epidemiological analysis and clinic-diagnostic evaluation of trichinellosis in Italy to develop a national system of diagnosis and surveillance through a 'One health' approach.** 2017-2019. Principal investigator: Edoardo Pozio. Funded by the Italian Ministry of Health (Centro Nazionale per la Prevenzione ed il Controllo delle Malattie – Azione Centrale).
- **New diagnostic approaches for cystic echinococcosis through antigen discovery and detection of immune responses.** 2018-2021. Principal investigator: Francesca Tamarozzi; Co-PI: Linda Petrone. Funded by the Italian Ministry of Health (Ricerca Finalizzata, Young Researchers grant, GR-2016-02361497).

- **Emerging blood protozoa in the immunocompromised population: novel strategies for screening, diagnosis, monitoring and clinical management.** 2018-2021: Principal investigator: Stefania Varani. Funded by the Italian Ministry of Health (Ricerca Finalizzata, RF-2016-02361931)
- **Messa a punto di un test biomolecolare per la determinazione simultanea di Tick Borne pathogens equini e applicazione pilota in campo epidemiologico.** 2018-2020. Principal investigator: Santo Caracappa. Funded by the Italian Ministry of Health (IZS SI 2018 Ricerca Corrente)
- **Analisi proteomica della forma larvale di Echinococcus granulosus.** 2017-2020. Principal investigator: Giovanni Garippa. Funded by the Italian Ministry of Health (IZS SA 2017 Ricerca Corrente)

Ministero dell'Istruzione Università e Ricerca:

- **Aspetti ecologici, immunologici ed evolutivi dell'interazione ospite-parassita: il caso dei nematodi anisakidi e dei pesci antartici, loro ospiti.** 2017-2019. Principal investigator: Simonetta Mattiucci. Funded by the Ministry of Education and Research (PNRA - Programma Nazionale di Ricerca in Antartide).

Ministero degli Affari Esteri e Cooperazione Internazionale:

- **Transmission-blocking antimalarial discovery.** 2018-2020. Principal investigator: Pietro Alano; Leader for the University of Milan: Donatella Taramelli. Funded by the Italian Ministry of Foreign Affairs and International Cooperation (PGR00949-2018).

Ministero della Difesa:

- **SENSOR: sistema integrato per la sorveglianza dei patogeni trasmessi da vettori.** 2018-2020. Principal investigator: Marco Pombi. Funded by the Italian Ministry of Defence – Programma Nazionale Ricerca Militare.

Altre agenzie nazionali:

- **Exploitation of novel genomic resources to develop molecular tools for genotyping afro-tropical malaria vectors and study ecological speciation.** 2018-2020. Principal investigator: Alessandra della Torre. Funded by Istituto Pasteur Italia – Fondazione Cenci Bolognetti.
- **What shapes the parasite Anisakis-human host interaction? genetic, molecular, and immunological approaches to investigate the zoonotic disease human anisakiasis.** 2018-2020. Principal investigator: Simonetta Mattiucci. Funded by Istituto Pasteur Italia – Fondazione Cenci Bolognetti.

Comunità Europea:

- **Activities of the European Union Reference Laboratory for Parasites in 2018.** Scientific director: Edoardo Pozio. Funded by the European Commission (Directorate-General for Health and Consumers).
- **Molecular Epidemiology studies on the pathways of transmission and long lasting capacity to prevent cystic echinococcosis infection (EULAC-Health: PERITAS).** 2018-2022. Principal investigator: Adriano Casulli. Funded by the European Commission and MoHs.

- **Development of New Diagnostic and Treatment Options for Helminthic Neglected Diseases (ERANet-LAC 2: NDTND).** 2017-2020. Principal investigator: Adriano Casulli. Funded by the European Commission and MoHs.
- **Aedes Invasive Mosquitoes COST ACTION.** 2018-2022. Principal investigator: Alessandra della Torre. Funded by the European Commission (H2020 grant CA17108).
- **Combatting anthelmintic resistance in ruminants (COMBAR) COST ACTION.** Principal investigator: Johannes Charlier; Leader for Working Group 1: Laura Rinaldi. Funded by the European Commission (H2020 grant CA16230).
- **Educating the next generation of professionals in the agrifood system (NEXTFOOD).** 2018- 20122. Principal investigator: Martin Melin. Leader for University of Bologna: Marialetizia Fioravanti. Funded by the European Commission (H2020 grant 771738).
- **Advanced tools and research strategies for parasite control in European farmed fish (PARAFISHCONTROL).** 2015-2020. Principal investigator: Ariadna Sitjà-Bobadilla, Leader for University of Bologna: Marialetizia Fioravanti. Funded by the European Commission (H2020).
- **Consumer driven production: integrating innovative approaches for competitive and sustainable performance across the Mediterranean aquaculture value chain (PerformFISH).** 2017-20122. Principal investigator: Katerina Moutou, Leader for University of Bologna: Marialetizia Fioravanti. Funded by the European Commission (H2020).

Altre agenzie internazionali:

- **Empowering functional genomics of Anopheles gambiae through inversion genotyping.** 2017-22. Principal investigator: Nora Besansky, Notre Dame University, USA, Co-PI: Alessandra della Torre. Funded by the National Institute of Health (NIH, USA, GRANT R01A125360).
- **Expert assistance on drafting the main EUSR Zoonoses 2017 – Chapters: Trichinella, Echinococcus and Toxoplasma.** Principal investigator: Edoardo Pozio. Funded by the European Food Safety Agency (NP/EFSA/BIOCONTAM/2018/04).
- **Fish stock identification in Alboran Sea and adjacent waters (TRANSBORAN).** 2018-2019. Principal investigator: Manuel Hidalgo, Leader for WP “Parasitological survey and use of parasites as biological markers of target fish species”: Simonetta Mattiucci. Funded by FAO-COPEMED.

4.4. Brevetti


Brevetti 2018 segnalati dai Soci

- PCT/IT2016/000191. SALTS OF COMPOUNDS HAVING A BENZIMIDAZOLIC STRUCTURE, USES AND PROCESS FOR THE PREPARATION THEREOF. Roberto CIRILLI, Simone CARRADORI, Adriano CASULLI, Celeste DE MONTE.
- PCT/IB2017/058291. INHIBITION OF THE HUMAN GTPASE RAC1 AS A NEW MECHANISM OF ACTION FOR DRUGS AGAINST P. FALCIPARUM. Anna OLIVIERI, Silvio PAONE, Valentina TIRELLI, Felicia GRASSO, Sarah D’ALESSANDRO, Silvia PARAPINI

Pisa, 22 gennaio 2019

La Segretaria SOIPA

Valentina Mangano

A handwritten signature in black ink, appearing to read 'Valentina Mangano', with a large, sweeping underline stroke.