

CLAUDIO BANDI - CURRICULUM SINTETICO

Professore Ordinario di Parassitologia e Malattie Parassitarie degli Animali (SSD VET/06)
Dipartimento di Bioscienze e Centro di Ricerca Pediatrica Romeo ed Enrica Invernizzi, Università degli Studi di Milano, Via Celoria 26, 20133 Milano
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POSIZIONE ACCADEMICA

Macrosettore: 07/H3

S.S.D.: VET/06

Anzianità di Ruolo come Professore di Prima Fascia: dal 1 novembre 2010

Sede universitaria e struttura: Dipartimento di Bioscienze e Centro di Ricerca Pediatrica Romeo ed Enrica Invernizzi, Università degli Studi di Milano Posizioni ricoperte e sedi:

1998-2000. Ricercatore per il settore scientifico disciplinare VET/06, Parassitologia e Malattie Parassitarie degli Animali, Università degli Studi di Milano.

2000-2010. Professore Associato per il SSD VET/06, Università degli Studi di Milano.

PUBBLICAZIONI

Vengono qui elencate 10 pubblicazioni ampiamente citate (Google Scholar), l'elenco completo delle pubblicazioni segue l'elenco dei titoli

- Bandi C., Anderson T.J.C., Genchi C., Blaxter M.L. (1998) Phylogeny of *Wolbachia* in filarial nematodes. *Proceedings of the Royal Society of London B* 265: 2407-2413
CITAZIONI: 525
- Bianciotto V., Bandi C., Minerdi D., Sironi M., Tichy H.V., Bonfante P. (1996) An obligately endosymbiotic mycorrhizal fungus itself harbors obligately intracellular bacteria. *Applied and Environmental Microbiology* 62: 3005-3010
CITAZIONI: 304
- Taylor M.J., Bandi C., Hoerauf A. (2005) *Wolbachia* bacterial endosymbionts of filarial nematodes. *Advances in Parasitology* 60: 245-284
CITAZIONI: 271
- Casiraghi M., Anderson T.J.C., Bandi C., Bazzocchi C., Genchi C. (2001) A phylogenetic analysis of filarial nematodes: comparison with the phylogeny of *Wolbachia* endosymbionts. *Parasitology* 122: 93-103
CITAZIONI: 257
- Bandi C., McCall J.W., Genchi C., Corona S., Venco L., Sacchi L. (1999) Effects of tetracycline on the filarial worms *Brugia pahangi* and *Dirofilaria immitis* and their bacterial endosymbionts *Wolbachia*. *International Journal for Parasitology* 29: 357-364
CITAZIONI: 240
- Lo N., Casiraghi M., Salati E., Bazzocchi C., C. Bandi (2002) How many *Wolbachia* supergroups exist? *Molecular Biology and Evolution* 19: 341-346
CITAZIONI: 236

- Sironi M., Bandi C., Sacchi L., Di Sacco B., Damiani G., Genchi C. (1995) A close relative of the arthropod endosymbiont *Wolbachia* in a filarial worm. *Molecular and Biochemical Parasitology* 74: 223-227
CITAZIONI: 226
- Favia G, Ricci I, Damiani C, Raddadi N, Crotti E, Marzorati M, Rizzi A, Urso R, Brusetti L, Borin S, Mora D, Scuppa P, Pasqualini L, Clementi E, Genchi M, Corona S, Negri I, Grandi G, Alma A, Kramer L, Esposito F, Bandi C, Sacchi L, Daffonchio D (2007) Bacteria of the genus *Asaia* stably associate with *Anopheles stephensi*, an Asian malarial mosquito vector. *Proc Natl Acad Sci U S A.* 104: 9047-9051.
CITAZIONI: 217
- Bandi C., Trees A.J., Brattig N. (2001) *Wolbachia* in filarial nematodes: evolutionary aspects and implications for the pathogenesis and treatment of filarial diseases. *Veterinary Parasitology* 98: 215-238
CITAZIONI: 199
- Hoerauf a, Specht S, Büttner M, Pfarr K, Mand s, Fimmers R, Marfo-Debrekyei Y, Konadu P, Debrah Ay, Bandi C., Brattig N, Albers A, Larbi J, Batsa L, Taylor Mj, Adjei O, Büttner Dw (2008). *Wolbachia* endobacteria depletion by doxycycline as antifilarial therapy has macrofilaricidal activity in onchocerciasis: a randomized placebo-controlled study. *Medical Microbiology and Immunology* 197: 295-311 **CITAZIONI: 183**

TITOLI

Indicatori bibliometrici

Oltre 160 pubblicazioni su riviste internazionali *peer review*.

Oltre 30 capitoli di libri/*proceedings*.

Oltre 150 presentazioni a congressi nazionali e internazionali.

Numero di citazioni: >6500 citazioni in Scopus (>9800 in Google Scholar);

H-index: 45 in Scopus (55 in Google Scholar). *i10-index:* 141.

Vedi pubblicazioni in: <https://scholar.google.it/citations?user=MSkje9MAAAAJ&hl=it>

Principali incarichi presso l'Università degli Studi di Milano (ultimi 5 anni)

- 2013-2015. Coordinatore del Dottorato di Ricerca in Biologia Animale.
- 2014-2015. Membro della Giunta del Dipartimento di Scienze Veterinarie e Sanità Pubblica.
- Dal 2014. Membro del Collegio dei Docenti del Dottorato di Ricerca in Scienze Ambientali.
- Dal 2015. Membro del Collegio dei Docenti della Scuola di Specializzazione in Microbiologia e Virologia.
- Dal 2015. Coordinatore della Laurea Magistrale in Biodiversità ed Evoluzione Biologica.
- Dal 2016. Membro del Comitato di Gestione e di Indirizzo del Polo Veterinario Universitario di Lodi, su nomina rettorale.
- Dal 2016. Membro della Commissione Scientifica e della Giunta del Dipartimento di Bioscienze.
- Dal 2016. Membro del Comitato di indirizzo e di gestione del Clinical Pediatric Research Center, Fondazione Romeo ed Enrica Invernizzi e Università degli Studi di Milano.
- Dal 2017. Responsabile della Piattaforma di Epidemiologia Genomica e Microbiologia Molecolare dell'Università degli Studi di Milano - Fondazione Romeo ed Enrica Invernizzi.

Principali riconoscimenti

1998, 1999. Consulente dell'*Organizzazione Mondiale della Sanità*, per lo sviluppo della terapia anti*Wolbachia*, come nuova strategia per il controllo delle filariosi umane.

1999-2004. Articoli di commento sulle ricerche svolte in: *Science*, *New Scientist*, *PNAS*, *Trends in Ecology and Evolution*, *Trends in Parasitology* (per la scoperta di *Wolbachia* nei nematodi filaridi); *Nature Microbiology*, *ASM Microbes*, *New Scientist* (per la descrizione di *Midichloria*, batterio intramitocondriale); *ASM News* (per la descrizione di batteri intracellulari simbiotici in funghi micorrizici).

2000. Vincitore del *Premio e Medaglia Battista Grassi*, per la scoperta di *Wolbachia* nei nematodi filaridi.

Giugno 2008. Invitato a tenere un ciclo di lezioni sulla simbiosi, in occasione delle celebrazioni per il quadricentenario dell'Università di Oviedo, insieme a Lynn Margulis.

Dicembre 2006. Intervista in *Tempo Medico* (*Il verme tradito dal batterio convivente*).

Ottobre 2011. Intervista in *Le Scienze* (*All'origine degli eucarioti*).

2013-2015. Membro del panel per la valutazione di progetti Europei *ERC Consolidator* (LS9: *Applied Biosciences and non-medical Biotechnology*).

Dal 1996. Copertine dedicate da varie riviste internazionali (tra cui: *ASM News*; *Proceedings of the Royal Society*; *International Journal for Parasitology*), in relazione agli studi condotti sulle simbiosi batteriche.

Dal 2000. Interviste e richiami giornalisti in relazione alle indagini svolte, su quotidiani/periodici a diffusione locale e nazionale (tra cui *La Stampa* e *Il Corriere della Sera*).

Incluso nell'elenco *Top Italian Scientists*, per l'area *Microbiology* (www.topitalianscientists.org).

2006. Selezionato dall'Università degli Studi di Milano per l'inclusione tra i relatori dei *Top Science Seminars* della e-LERU; (<http://portalevideo.unimi.it/media?mid=52&cid=152&play=true>); titolo del seminario: *Microbe Hunters 2006*.

In numerose occasioni è stato invitato a coordinare simposi e a tenere letture plenarie sulle simbiosi negli invertebrati, nell'ambito di congressi e workshop internazionali, in vari paesi (tra cui: Brasile, USA, Regno Unito, Germania, Giappone, Grecia, Spagna, Francia, India, Corea, Austria). Ha tenuto corsi e lezioni presso diverse sedi universitarie e istituti di ricerca in Italia e all'estero (tra cui: Rochester; Marsiglia; Oviedo; Sao Paulo; Valencia; Vienna; Athens, Parigi, Kyoto, Tokyo). Viene regolarmente invitato a tenere conferenze sui temi della simbiosi e del controllo delle infezioni a

trasmissione vettoriale, in diversi contesti (Darwin Day; corsi ECM presso enti del Sistema Sanitario Nazionale; manifestazioni scientifiche).

Esperienza nella direzione/valutazione della ricerca

Attualmente. Responsabile della Piattaforma per l'Epidemiologia Genomica e la Microbiologia Molecolare dell'Università degli Studi di Milano – Fondazione Romeo ed Enrica Invernizzi. Il progetto, sostenuto da un finanziamento da 1.700.000 Euro, prevede lo sviluppo di un sistema integrato per lo studio e il controllo dei patogeni multiresistenti, in particolare nell'ambiente nosocomiale, attraverso l'applicazione di metodologie biomolecolari, di *whole genome sequencing* e di *computational epidemiology*.

Precedentemente. Coordinatore nazionale e locale di progetti finanziati da MIUR-FIRB, MIURCOFIN/PRIN, Ministero della Salute, su temi relativi alle simbiosi batteriche e al controllo di infezioni a trasmissione vettoriale. Primo proponente, coordinatore di un work package e membro del management committee del progetto EU-COST FA0701 (Arthropod Symbiosis).

Revisore di progetti di ricerca per: *European Research Council (ERC Advanced, Consolidator e Starting; come panel member per la linea Consolidator); National Science Foundation (USA); National Institute of Health (USA); Medical Research Council (UK); Wellcome Trust (UK); BBSRC (UK); Istituto Superiore di Sanità; MIUR; ministeri e agenzie di diversi paesi europei.*

Le dichiarazioni rese nel presente curriculum corrispondono al vero e sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

Milano, 25 settembre 2017



Prof. Claudio Bandi

Claudio Bandi PUBBLICAZIONI

Elenco completo pubblicazioni in extenso su riviste internazionali (periodo: 1994-2016)

1. Cafiso A, Sasser D, Serra V, Bandi C, McCarthy U, Bazzocchi C. Molecular evidence for a bacterium of the family Midichloriaceae (order Rickettsiales) in skin and organs of the rainbow trout *Oncorhynchus mykiss* (Walbaum) affected by red mark syndrome. *J Fish Dis.* 2016 Apr;39(4):497-501.
2. Gaiarsa S, De Marco L, Comandatore F, Marone P, Bandi C, Sasser D. Bacterial genomic epidemiology, from local outbreak characterization to species-history reconstruction. *Pathog Glob Health.* 2015;109(7):319-27.
3. Comandatore F, Cordaux R, Bandi C, Blaxter M, Darby A, Makepeace BL, Montagna M, Sasser D. Supergroup C Wolbachia, mutualist symbionts of filarial nematodes, have a distinct genome structure. *Open Biol.* 2015 Dec;5(12).
4. Genchi M, Prati P, Vicari N, Manfredini A, Sacchi L, Clementi E, Bandi C, Epis S, Fabbi M. Francisella tularensis: No Evidence for Transovarial Transmission in the Tularemia Tick Vectors *Dermacentor reticulatus* and *Ixodes ricinus*. *PLoS One.* 2015 Aug 5;10(8): e0133593

5. Onori R, Gaiarsa S, Comandatore F, Pongolini S, Brisse S, Colombo A, Cassani G, Marone P, Grossi P, Minoja G, Bandi C, Sassera D, Toniolo A. Tracking Nosocomial *Klebsiella pneumoniae* Infections and Outbreaks by Whole-Genome Analysis: Small-Scale Italian Scenario within a Single Hospital. *J Clin Microbiol.* 2015 Sep;53(9):2861-8.
6. Scaltriti E, Sassera D, Comandatore F, Morganti M, Mandalari C, Gaiarsa S, Bandi C, Zehender G, Bolzoni L, Casadei G, Pongolini S. Differential Single Nucleotide Polymorphism-Based Analysis of an Outbreak Caused by *Salmonella enterica* Serovar Manhattan Reveals Epidemiological Details Missed by Standard Pulsed-Field Gel Electrophoresis. *J Clin Microbiol.* 2015 Apr;53(4):1227-38.
7. Montagna M, Chouaia B, Mazza G, Prosdocimi EM, Crotti E, Mereghetti V, Vacchini V, Giorgi A, De Biase A, Longo S, Cervo R, Lozzia GC, Alma A, Bandi C, Daffonchio D. 2015. Effects of the diet on the microbiota of the red palm weevil (*Coleoptera: Dryophthoridae*). *PLoS One.* 2015 Jan 30;10(1):e0117439.
8. Zanzani S, Epis S, Bandi C, Manfredi MT. What is your diagnosis? Fecal smear stained with Lugol's solution and Giemsa from a cynomolgus macaque (*Macaca fascicularis*) presenting with liquid diarrhea. *Vet Clin Pathol.* 2014 Jun;43(2):293-4..
9. Chouaia B, Gaiarsa S, Crotti E, Comandatore F, Degli Esposti M, Ricci I, Alma A, Favia G, Bandi C, Daffonchio D. Acetic acid bacteria genomes reveal functional traits for adaptation to life in insect guts. *Genome Biol Evol.* 2014 Apr;6(4):912-20.
10. Cappelli A, Ulissi U, Valzano M, Damiani C, Epis S, Gabrielli MG, Conti S, Polonelli L, Bandi C, Favia G, Ricci I. A *Wickerhamomyces anomalus* killer strain in the malaria vector *Anopheles stephensi*. *PLoS One.* 2014 May 1;9(5):e95988.
11. Degli Esposti M, Chouaia B, Comandatore F, Crotti E, Sassera D, Lievens PM, Daffonchio D, Bandi C. Evolution of mitochondria reconstructed from the energy metabolism of living bacteria. *PLoS One.* 2014 May 7;9(5):e96566.
12. Montagna M, Gómez-Zurita J, Giorgi A, Epis S, Lozzia G, Bandi C. Metamicrobiomics in herbivore beetles of the genus *Cryptocephalus* (Chrysomelidae): toward the understanding of ecological determinants in insect symbiosis. *Insect Sci.* 2014 May 28.
13. Epis S, Porretta D, Mastrantonio V, Comandatore F, Sassera D, Rossi P, Cafarchia C, Otranto D, Favia G, Genchi C, Bandi C, Urbanelli S. ABC transporters are involved in defense against permethrin insecticide in the malaria vector *Anopheles stephensi*. *Parasit Vectors.* 2014 Jul 29;7:349.
14. Gaiarsa S, Comandatore F, Gaibani P, Corbella M, Dalla Valle C, Epis S, Scaltriti E, Carretto E, Farina C, Labonia M, Landini MP, Pongolini S, Sambri V, Bandi C, Marone P, Sassera D. Genomic epidemiology of *Klebsiella pneumoniae* in Italy and novel insights into the origin and global evolution of its resistance to carbapenem antibiotics. *Antimicrob Agents Chemother.* 2015 59: 389-96.
15. Pistone D, Bione A, Epis S, Pajoro M, Gaiarsa S, Bandi C, Sassera D. Presence of *Wolbachia* in Three Hymenopteran Species: *Diprion pini* (Hymenoptera: Diprionidae), *Neodiprion sertifer* (Hymenoptera: Diprionidae), and *Dahlbominus fuscipennis* (Hymenoptera: Eulophidae). *J Insect Sci.* 2014 Jan 1;14:147.
16. Epis S, Porretta D, Mastrantonio V, Urbanelli S, Sassera D, De Marco L, Mereghetti V, Montagna M, Ricci I, Favia G, Bandi C. Temporal dynamics of the ABC transporter response to insecticide treatment: insights from the malaria vector *Anopheles stephensi*. *Sci Rep.* 2014 Dec 11;4:7435.
17. Sassera D, Gaiarsa S, Scaltriti E, Morganti M, Bandi C, Casadei G, Pongolini S. (2013) Draft Genome Sequence of *Salmonella enterica* subsp. *enterica* Serovar Manhattan Strain 111113, from an Outbreak of Human Infections in Northern Italy *Genome Announcements*, 1 (4).
18. Comandatore F, Sassera D, Ambretti S, Landini M.P., Daffonchio D, Marone P, Sambri V, Bandi C, Gaibani P. Draft Genome Sequences of Two Multidrug Resistant *Klebsiella pneumoniae* ST258 Isolates Resistant to Colistin (2013) *Genome Announcements*, 1 (1).
19. Prosdocimi E.M., Novati S, Bruno R, Bandi C, Mulatto P, Giannico R, Casiraghi M, Ferri E. (2013) Errors in ribosomal sequence datasets generated using PCR-coupled 'panbacterial' pyrosequencing, and the establishment of an improved approach *Molecular and Cellular Probes*, 27: 65-67.

20. Desirò, A., Naumann, M., Epis, S., Novero, M., Bandi, C., Genre, A., Bonfante, P. (2013) Mollicutes-related endobacteria thrive inside liverwort-associated arbuscular mycorrhizal fungi *Environmental Microbiology*, 15: 822-836.
21. Porretta, D., Mastrantonio, V., Mona, S., Epis, S., Montagna, M., Sassera, D., Bandi, C., Urbanelli, S. (2013) The integration of multiple independent data reveals an unusual response to Pleistocene climatic changes in the hard tick *Ixodes ricinus* *Molecular Ecology* 22: 1666-1682.
22. Brunetti, E., Fabbì, M., Ferraioli, G., Prati, P., Filice, C., Sassera, D., Dalla Valle, C., Bandi, C., Vicari, N., Marone, P. (2013). Cat-scratch disease in Northern Italy: Atypical clinical manifestations in humans and prevalence of *Bartonella* infection in cats *European Journal of Clinical Microbiology and Infectious Diseases*, 32: 531-534.
23. Gaibani, P., Mariconti, M., Bua, G., Bonora, S., Sassera, D., Landini, M.P., Mulatto, P., Novati, S., Bandi, C., Sambri, V. (2013). Development of a broad-range 23S rDNA real-time PCR assay for the detection and quantification of pathogenic bacteria in human whole blood and plasma specimens. *BioMed Research International*, 2013, art. no. 264651.
24. Montagna, M., Sassera, D., Epis, S., Bazzocchi, C., Vannini, C., Lo, N., Sacchi, L., Fukatsu, T., Petroni, G., Bandi, C. (2013). "Candidatus Midichloriaceae" fam. Nov. (Rickettsiales), an ecologically: Widespread clade of intracellular alphaproteobacteria *Applied and Environmental Microbiology*, 79: 3241-3248.
25. Piccoli, L., Bazzocchi, C., Brunetti, E., Mihailescu, P., Bandi, C., Mastalier, B., Cordos, I., Beuran, M., Popa, L.G., Meroni, V., Genco, F., Cretu, C. (2013). Molecular characterization of *Echinococcus granulosus* in south-eastern Romania: Evidence of G1-G3 and G6-G10 complexes in humans. *Clinical Microbiology and Infection*, 19: 578-582.
26. Tokuda, G., Elbourne, L.D.H., Kinjo, Y., Saitoh, S., Sabree, Z., Hojo, M., Yamada, A., Hayashi, Y., Shigenobu, S., Bandi, C., Paulsen, I.T., Watanabe, H., Lo, N. (2013). Maintenance of essential amino acid synthesis pathways in the *Blattabacterium* *cuenoti* symbiont of a wood-feeding cockroach *Biology Letters*, 9, art. 20121153.
27. Porretta, D., Mastrantonio, V., Amendolia, S., Gaiarsa, S., Epis, S., Genchi, C., Bandi, C., Otranto, D., Urbanelli, S. (2013). Effects of global changes on the climatic niche of the tick *Ixodes ricinus* inferred by species distribution modelling *Parasites and Vectors*, 6, art. 271.
28. Sassera, D., Epis, S., Pajoro, M., Bandi, C. (2013) Microbial symbiosis and the control of vectorborne pathogens in tsetse flies, human lice, and triatomine bugs *Pathogens and Global Health*, 107: 285-292.
29. Capone, A., Ricci, I., Damiani, C., Mosca, M., Rossi, P., Scuppa, P., Crotti, E., Epis, S., Angeletti, M., Valzano, M., Sacchi, L., Bandi, C., Daffonchio, D., Mandrioli, M., Favia, G. (2013). Interactions between *Asaia*, *Plasmodium* and *Anopheles*: New insights into mosquito symbiosis and implications in Malaria Symbiotic Control *Parasites and Vectors*, 6 (1), art. 182.
30. Bazzocchi, C., Mariconti, M., Sassera, D., Rinaldi, L., Cringoli, G., Urbanelli, S., Genchi, C., Bandi, C., Epis, S. (2013). Molecular and serological evidence for the circulation of the tick symbiont *Midichloria* (Rickettsiales: Midichloriaceae) in different mammalian species *Parasites and Vectors*, 6, art. 350.
31. Montagna, M., Sassera, D., Griggio, F., Epis, S., Bandi, C., Gissi, C. (2012). Tick-Box for 3'-End Formation of Mitochondrial Transcripts in Ixodida, Basal Chelicerates and *Drosophila* *PLoS ONE*, 7, e47538.
32. Mariconti, M., Epis, S., Gaibani, P., Valle, C.D., Sassera, D., Tomao, P., Fabbì, M., Castelli, F., Marone, P., Sambri, V., Bazzocchi, C., Bandi, C. (2012). Humans parasitized by the hard tick *Ixodes ricinus* are seropositive to *Midichloria* mitochondria: Is *Midichloria* a novel pathogen, or just a marker of tick bite? *Pathogens and Global Health*, 106: 391-396.
33. Godel, C., Kumar, S., Koutsovoulos, G., Ludin, P., Nilsson, D., Comandatore, F., Wrobel, N., Thompson, M., Schmid, C.D., Goto, S., Bringaud, F., Wolstenholme, A., Bandi, C., Epe, C., Kaminsky, R., Blaxter, M., Maser, P. (2012). The genome of the heartworm, *Dirofilaria immitis*, reveals drug and vaccine targets *FASEB Journal*, 26: 4650-4661.

34. Mariconti, M., Epis, S., Sacchi, L., Biggiogera, M., Sassera, D., Genchi, M., Alberti, E., Montagna, M., Bandi, C., Bazzocchi, C (2012). A study on the presence of flagella in the order Rickettsiales: The case of 'Candidatus Midichloria mitochondrii' Microbiology (United Kingdom), 158: 1677-1683.
35. Epis S, Gaibani P, Ulissi U, Chouaia B, Ricci I, Damiani C, Sambri V, Castelli F, Buelli F, Daffonchio D, Bandi C, Favia G. (2012) Do mosquito-associated bacteria of the genus *Asaia* circulate in humans? *Eur J Clin Microbiol Infect Dis.* 6:1137-1140
36. Crotti E, Balloi A, Hamdi C, Sansonno L, Marzorati M, Gonella E, Favia G, Cherif A, Bandi C, Alma A, Daffonchio D. (2012) Microbial symbionts: a resource for the management of insect-related problems. *Microb Biotechnol.* 5:307-317.
37. Galimberti A, Romano DF, Genchi M, Paoloni D, Vercillo F, Bizzarri L, Sassera D, Bandi C, Genchi C, Ragni B, Casiraghi M. (2012) Integrative taxonomy at work: DNA barcoding of taeniids harboured by wild and domestic cats. *Mol Ecol Resour.* 12: 403-413.
38. Genchi C, Kramer LH, Sassera D, Bandi C. (2012). *Wolbachia* and its implications for the immunopathology of filariasis. *Endocr Metab Immune Disord Drug Targets.* 12:53-56.
39. Pistone D, Marone P, Pajoro M, Fabbri M, Vicari N, Daffara S, Dalla Valle C, Gabba S, Sassera D, Verri A, Montagna M, Epis S, Monti C, Strada EG, Grazioli V, Arrigoni N, Giacosa A, Bandi C. (2012) *Mycobacterium avium* paratuberculosis in Italy: commensal or emerging human pathogen? *Dig Liver Dis.* 44: 461-465
40. Pinto SB, Mariconti M, Bazzocchi C, Bandi C, Sinkins SP. (2012) *Wolbachia* surface protein induces innate immune responses in mosquito cells. *BMC Microbiol.* 12, art. S11.
41. Chouaia B, Rossi P, Epis S, Mosca M, Ricci I, Damiani C, Ulissi U, Crotti E, Daffonchio D, Bandi C, Favia G. (2012) Delayed larval development in *Anopheles* mosquitoes deprived of *Asaia* bacterial symbionts. *BMC Microbiol.* 12, art. S2.
42. Hamdi C, Balloi A, Essanaa J, Crotti E, Gonella E, Raddadi N, Ricci I, Budabous A, Borin S, Manino A, Bandi C, Alma A, Daffonchio D, Cherif A (2011) Gut microbiome dysbiosis and honeybee health *Source: J appl entomol.* 7: 524-533
43. Ricci I, Damiani C, Rossi P, Capone A, Scuppa P, Cappelli A, Ulissi U, Mosca M, Valzano M, Epis S, Crotti E, Daffonchio D, Alma A, Sacchi L, Mandrioli M, Bandi C, Favia G. (2011) Mosquito symbioses: from basic research to the paratransgenic control of mosquito-borne diseases. *J appl entomol.* 7: 487-493
44. Foster J, Slatko B, Bandi C, Kumar S (2011) Recombination in *Wolbachia* endosymbionts of filarial nematodes? *Appl Environ Microbiol* 77: 1921-1922
45. Sassera D, Lo N, Epis S, D'Auria G, Montagna M, Comandatore F, Horner D, Peretó J, Luciano AM, Franciosi F, Ferri E, Crotti E, Bazzocchi C, Daffonchio D, Sacchi L, Moya A, Latorre A, Bandi C. (2011) Phylogenomic evidence for the presence of a flagellum and *cbb3* oxidase in the free-living mitochondrial ancestor. *Mol Biol Evol.* 12:3285-3296.
46. Ferri E, Bain O, Barbuto M, Martin C, Lo N, Uni S, Landmann F, Baccei SG, Guerrero R, de Souza Lima S, Bandi C, Wanji S, Diagne M, Casiraghi M. (2011) New insights into the evolution of *Wolbachia* infections in filarial nematodes inferred from a large range of screened species. *PLoS One.* 6(6):e20843.
47. Ricci I, Damiani C, Scuppa P, Mosca M, Crotti E, Rossi P, Rizzi A, Capone A, Gonella E, Ballarini P, Chouaia B, Sagnon NF, Esposito F, Alma A, Mandrioli M, Sacchi L, Bandi C, Daffonchio D, Favia G (2011) The yeast *Wickerhamomyces anomalus* (*Pichia anomala*) inhabits the midgut and reproductive system of the Asian malaria vector *Anopheles stephensi*. *Environ Microbiol.* 13: 911-921.
48. Gonella E, Negri I, Marzorati M, Mandrioli M, Sacchi L, Pajoro M, Crotti E, Rizzi A, Clementi E, Tedeschi R, Bandi C, Alma A, Daffonchio D (2011) Bacterial endosymbiont localization in *Hyalesthes obsoletus*, the insect vector of Bois noir in *Vitis vinifera*. *Appl Environ Microbiol* 77: 1423-1435.
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Il presente elenco delle pubblicazioni corrisponde al vero ed è da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

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Prof. Claudio Bandi