

PALLAVICINI ALBERTO.

Male, Born in Desenzano of Garda (BS), 7 March 1968.

Title of Study: Biological Sciences-Degree at the University of Padova with 108/110 with a thesis titled "Cloning of globin mRNAs expressed in *L. zanandreaei* before and after metamorphosis." (A.A. 1992-1993). Tutor: Dr. Lanfranchi

Education:

1990 – 1993 Working for the master degree thesis in the laboratory of Dr. Lanfranchi Gerolamo (Department of Biology, University of Padova).

1993 –1994 Practical training post-laurea at the laboratories of Dr. Lanfranchi Gerolamo and Dr. Valle Giorgio (Department of Biology, University of Padova).

1995 – 1996 Holder of one Telethon scholarship

1996 – 1998 Ph.D. in Genetics, University of Ferrara.

1999 – 2000 Post-doc, University of Padova.

2000 – 2005 Tenured Research Scientist in Genetics, University of Trieste

2005 - present Associated Professor of Genetics, University of Trieste

Websites (for a detailed list of my scientific reports and activities):

<https://dsv.units.it/en/research/researchareas/researchgroups/18400>

<http://scholar.google.it/citations?user=tsyE2vYAAAAJ>

https://www.researchgate.net/profile/Alberto_Pallavicini

www.scopus.com/authid/detail.uri?authorId=6602690687

<http://www.researcherid.com/rid/J-4158-2012>

Research activities: My research activities span different field from Human to non model organisms. In the last 15 years my main research topics are focused on *M. galloprovincialis* (and bivalves in general) genomics and molecular immunology. This intense research activities is reported by the publication of about 80 peer-reviewed papers and over 100 meeting reports. Focusing on the research activities matching with the tasks of the proposal I would like to mention the environmental genetic studies on *M. galloprovincialis*. Since the very first years of the XXI century I have developed a collection of cDNA clones for the analysis of gene expression in the Mediterranean mussel. The use of bivalve mollusk in the monitoring of chemical contamination of coastal environments has, for decades, used in both the US and in many European countries in international programs of Mussel Watch. Integrating my biotechnology skills I have developed a protocol for genetic analysis to highlight the biotic and abiotic contamination in the mussel. Deeply analyzing the mussel genome I have contributed to depict the immunology of this animal and I have discovered a numbers of peptides with biotechnological interest. In the frame of several collaborations I have implemented the most advanced genomic tools in the most different scientific area such as botany, animal husbandry and environmental biology. Just as example, I can mention here the development of genomics on crayfish and metagenomics analysis in marine environment.

My research activity is attested by more than 90 publications on peer reviewed journals.

H-index Scopus: 25 (2203 citations), Google scholar: 29 (3051 citations), ResearchedID: 22 (1845 citations).

Moreover I'm co-owner of two patents: GRAZIOSI G, TORNINCASA P, PALLAVICINI A. (2008). "Metodo per la discriminazione tra le specie *Coffea arabica* e *Coffea canephora* basato su polimorfismi del DNA nucleare e cloroplastico". PD2008A000307 GRAZIOSI G, TORNINCASA P, PALLAVICINI A. (2008). "Metodo per la discriminazione tra varietà di *Coffea arabica* basato su polimorfismi del DNA nucleare". PD2008A000336

Memberships: Italian Genetics Society (AGI), Italian Society of Developmental and

Comparative Immunology (SIICS), Italian Society of Applied Research in Bivalve Aquaculture (SIRAM), Consorzio InterUniversitario per le Scienze del Mare (CONISMA) International Coffee genomics network (ICGN)

Tutors for the following PhD programs:

Member of the Board of the following PhD programs:

2003-2010 Sciences, Technologies and Economics of the Coffee Industry (Coordinator 2008-2010),

2005-2008 Nanotechnology.

2008- present Life and Environmental Sciences (formerly Environmental Biology, Coordinator 2010-2014)

I was tutor for 15 PhD students in the last 10 years. I'm member of the board for the final exam of several Phd programs of the University of Trieste, University of Padua, University of Alicante (Spain), University of Vigo (Spain), University of Bangalore (India), University of Montpellier (France).

Teaching: I'm the Coordinator of the Bachelor degree in Science and Tecnhnology for the Nature and the Environment and formerly (2011-2014) Coordinator of the Bachelor degree in Biological Science and Tecnhnology. Actually I'm teaching for the courses of Genetics, Bioinformatics and Molecular ecology but in the past I also teach Population genetics, Molecular methods for the phylogenetics analysis, Bioinformatics II, Comparative genomics.

Reviewing: Review activity for Developmental and Comparative Immunology, Fish and Shellfill Immunology, Marine Drugs, BMC genomics, BMC plant biology, Genome Biology, Genome Research, Plos Genetics, Plos Biology, Genetics, Marine genomics. Review of grant proposals for: University of Padua (Italy), MIUR (Ministry of Education), CNRS (France), NOAA (USA).

Publications on ISI journals or book chapters (2011-present)

Metrics:55 articles, h-index 15, 772 citations

1. Franzo, A., Auriemma, R., Nasi, F., Vojvoda, J., Pallavicini, A., Cibic, T., Del Negro, P. Benthic ecosystem functioning in the severely contaminated Mar Piccolo of Taranto (Ionian Sea, Italy): focus on heterotrophic pathways (2016) *Environmental Science and Pollution Research*, 23 (13), pp. 12645-12661.
2. Rosani, U., Domeneghetti, S., Gerdol, M., Franzoi, M., Pallavicini, A., Venier, P. Serum amyloid A in marine bivalves: An acute phase and innate immunity protein (2016) *Developmental and Comparative Immunology*, 59, pp. 136-144.
3. Carniel, F.C., Gerdol, M., Montagner, A., Banchi, E., De Moro, G., Manfrin, C., Muggia, L., Pallavicini, A., Tretiach, M. New features of desiccation tolerance in the lichen photobiont *Trebouxia gelatinosa* are revealed by a transcriptomic approach (2016) *Plant Molecular Biology*, 91 (3), pp. 319-339.
4. Scocchi, M., Furlan, M., Venier, P., Pallavicini, A. Cathelicidins: An Ancient Family of Fish Antimicrobial Peptides (2016) *Lessons in Immunity: From Single-cell Organisms to Mammals*, pp. 225-237.
5. Venier, P., Domeneghetti, S., Sharma, N., Pallavicini, A., Gerdol, M. Immune-Related Signaling in Mussel and Bivalves (2016) *Lessons in Immunity: From Single-cell Organisms to Mammals*, pp. 93-105.
6. Manfrin, C., Pallavicini, A., Battistella, S., Lorenzon, S., Giulianini, P.G. Crustacean Immunity: The Modulation of Stress Responses (2016) *Lessons in Immunity: From Single-cell Organisms to Mammals*, pp. 107-116.

7. Biscotti, M.A., Gerdol, M., Canapa, A., Forconi, M., Olmo, E., Pallavicini, A., Barucca, M., Schartl, M. The lungfish transcriptome: A glimpse into molecular evolution events at the transition from water to land (2016) *Scientific Reports*, 6, art. no. 21571,
8. Rosani, U., Pallavicini, A., Venier, P. The miRNA biogenesis in marine bivalves (2016) *PeerJ*, 2016 (3), art. no. 1763, .
9. Zoccarato, L., Celussi, M., Pallavicini, A., Umani, S.F. Aurelia aurita ephyrae reshape a coastal microbial community (2016) *Frontiers in Microbiology*, 7 (MAY), art. no. 749, .
10. Rosani, U., Varotto, L., Domeneghetti, S., Arcangeli, G., Pallavicini, A., Venier, P. Dual analysis of host and pathogen transcriptomes in ostreid herpesvirus 1-positive *Crassostrea gigas* (2015) *Environmental Microbiology*, 17 (11), pp. 4200-4212.
11. Vicario, A., Colliva, A., Ratti, A., Davidovic, L., Baj, G., Gricman, L., Colombrita, C., Pallavicini, A., Jones, K.R., Bardoni, B., Tongiorgi, E. Dendritic targeting of short and long 3' UTR BDNF mRNA is regulated by BDNF or NT-3 and distinct sets of RNA-binding proteins (2015) *Frontiers in Molecular Neuroscience*, 8 (OCTOBER), pp. 1-14.
12. Rosani, U., Varotto, L., Gerdol, M., Pallavicini, A., Venier, P. IL-17 signaling components in bivalves: Comparative sequence analysis and involvement in the immune responses (2015) *Developmental and Comparative Immunology*, 52 (2), pp. 255-268.
13. Miniussi, M., Del Terra, L., Savi, T., Pallavicini, A., Nardini, A. Aquaporins in *Coffea arabica* L.: Identification, expression, and impacts on plant water relations and hydraulics (2015) *Plant Physiology and Biochemistry*, 95, pp. 92-102.
14. Bergamo, A., Gerdol, M., Lucafò, M., Pelillo, C., Battaglia, M., Pallavicini, A., Sava, G. RNA-seq analysis of the whole transcriptome of MDA-MB-231 mammary carcinoma cells exposed to the antimetastatic drug NAMI-A (2015) *Metallomics*, 7 (10), pp. 1439-1450.
15. Gerdol, M., Puillandre, N., De Moro, G., Guarnaccia, C., Lucafò, M., Benincasa, M., Zlatev, V., Manfrin, C., Torboli, V., Giulianini, P.G., Sava, G., Venier, P., Pallavicini, A. Identification and characterization of a novel family of cysteine-rich peptides (MGCRP-I) from *Mytilus galloprovincialis* (2015) *Genome Biology and Evolution*, 7 (8), pp. 2203-2219.
16. Gerdol, M., Venier, P., Pallavicini, A. The genome of the Pacific oyster *Crassostrea gigas* brings new insights on the massive expansion of the C1q gene family in *Bivalvia* (2015) *Developmental and Comparative Immunology*, 49 (1), pp. 59-71.
17. Gerdol, M., De Moro, G., Venier, P., Pallavicini, A. Analysis of synonymous codon usage patterns in sixty-four different bivalve species (2015) *PeerJ*, 2015 (12), art. no. e1520, .
18. Gerdol, M., Buonocore, F., Scapigliati, G., Pallavicini, A. Analysis and characterization of the head kidney transcriptome from the Antarctic fish *Trematomus bernacchii* (Teleostea, Notothenioidea): A source for immune relevant genes (2015) *Marine Genomics*, 20, pp. 13-15.
19. Manfrin, C., Peruzza, L., Bonzi, L.C., Pallavicini, A., Giulianini, P.G. Silencing two main isoforms of crustacean hyperglycemic hormone (CHH) induces compensatory expression of two CHH-like transcripts in the red swamp crayfish *Procambarus clarkia* (2015) *Invertebrate Survival Journal*, 12, pp. 29-37.
20. Manfrin, C., Tom, M., De Moro, G., Gerdol, M., Giulianini, P.G., Pallavicini, A. The eyestalk transcriptome of red swamp crayfish *Procambarus clarkii* (2015) *Gene*, 557 (1), pp. 28-34.
21. Nuñez Ortiz, N., Gerdol, M., Stocchi, V., Marozzi, C., Randelli, E., Bernini, C., Buonocore, F., Picchietti, S., Papeschi, C., Sood, N., Pallavicini, A., Scapigliati, G. T cell transcripts and T cell activities in the gills of the teleost fish sea bass (*Dicentrarchus labrax*) (2014) *Developmental and Comparative Immunology*, 47 (2), pp. 309-318.
22. Denoeud, F., Carretero-Paulet, L., Dereeper, A., Droc, G., Guyot, R., Pietrella, M., Zheng, C., Alberti, A., Anthony, F., Aprea, G., Aury, J.-M., Bento, P., Bernard, M., Bocs, S., Campa, C., Cenci, A., Combes, M.-C., Crouzillat, D., Da Silva, C., Daddiego, L., De Bellis, F., Dussert, S., Garsmeur, O., Gayraud, T., Guignon, V., Jahn, K., Jamilloux, V., Joët, T., Labadie, K., Lan, T., Leclercq, J., Lepelley, M., Leroy, T., Li, L.-T., Librado, P., Lopez, L., Muñoz, A., Noel, B., Pallavicini, A., Perrotta, G., Poncet, V., Pot, D., Priyono, Rigoreau, M., Rouard, M., Rozas, J., Tranchant-Dubreuil, C., VanBuren, R., Zhang, Q., Andrade, A.C., Argout, X., Bertrand, B., De Kochko, A., Graziosi, G., Henry, R.J., Jayarama, Ming, R., Nagai, C., Rounsley, S., Sankoff, D., Giuliano, G., Albert, V.A., Wincker, P., Lashermes, P. The coffee genome provides insight into the convergent evolution of caffeine biosynthesis (2014) *Science*, 345 (6201), pp. 1181-1184.

23. Domeneghetti, S., Varotto, L., Civettini, M., Rosani, U., Stauder, M., Pretto, T., Pezzati, E., Arcangeli, G., Turolla, E., Pallavicini, A., Venier, P. Mortality occurrence and pathogen detection in *Crassostrea gigas* and *Mytilus galloprovincialis* close-growing in shallow waters (Goro lagoon, Italy) (2014) *Fish and Shellfish Immunology*, 41 (1), pp. 37-44.
24. Rosani, U., Domeneghetti, S., Pallavicini, A., Venier, P. Target capture and massive sequencing of genes transcribed in *Mytilus galloprovincialis* (2014) *BioMed Research International*, 2014, art. no. 538549, .
25. Sandri, M., Manfrin, C., Pallavicini, A., Stefanon, B. Microbial biodiversity of the liquid fraction of rumen content from lactating cows (2014) *Animal*, 8 (4), pp. 572-579.
26. Crisafulli, P., Navarini, L., Silizio, F., Pallavicini, A., Illy, A. Ultrastructural Characterization of Oil Bodies in Different *Coffea* Species (2014) *Tropical Plant Biology*, 7 (1), pp. 1-12.
27. Tom, M., Manfrin, C., Mosco, A., Gerdol, M., De Moro, G., Pallavicini, A., Giulianini, P.G. Different transcription regulation routes are exerted by L- And D-amino acid enantiomers of peptide hormones (2014) *Journal of Experimental Biology*, 217 (24), pp. 4337-4346.
28. Stefanni, S., Bettencourt, R., Pinheiro, M., De Moro, G., Bongiorno, L., Pallavicini, A. Transcriptome of the Deep-Sea Black Scabbardfish, *Aphanopus carbo* (Perciformes: Trichiuridae): Tissue-Specific Expression Patterns and Candidate Genes Associated to Depth Adaptation (2014) *International Journal of Genomics*, 2014, art. no. 267482, .
29. Tom, M., Manfrin, C., Chung, S.J., Sagi, A., Gerdol, M., De Moro, G., Pallavicini, A., Giulianini, P.G. Expression of cytoskeletal and molt-related genes is temporally scheduled in the hypodermis of the crayfish *Procambarus clarkii* during premolt (2014) *Journal of Experimental Biology*, 217 (23), pp. 4193-4202.
30. Gerdol, M., De Moro, G., Manfrin, C., Milandri, A., Riccardi, E., Beran, A., Venier, P., Pallavicini, A. RNA sequencing and de novo assembly of the digestive gland transcriptome in *Mytilus galloprovincialis* fed with toxinogenic and non-toxic strains of *Alexandrium minutum* (2014) *BMC Research Notes*, 7, art. no. 722, .
31. Toubiana, M., Rosani, U., Giambelluca, S., Cammarata, M., Gerdol, M., Pallavicini, A., Venier, P., Roch, P. Toll signal transduction pathway in bivalves: Complete cds of intermediate elements and related gene transcription levels in hemocytes of immune stimulated *Mytilus galloprovincialis* (2014) *Developmental and Comparative Immunology*, 45 (2), pp. 300-312.
32. Forconi, M., Biscotti, M.A., Barucca, M., Buonocore, F., De moro, G., Fausto, A.M., Gerdol, M., Pallavicini, A., Scapigliati, G., Scharl, M., Olmo, E., Canapa, A. Characterization of purine catabolic pathway genes in coelacanth (2014) *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, 322 (6), pp. 334-341.
33. Forconi, M., Chalopin, D., Barucca, M., Biscotti, M.A., De Moro, G., Galiana, D., Gerdol, M., Pallavicini, A., Canapa, A., Olmo, E., Volff, J.-N. Transcriptional activity of transposable elements in coelacanth (2014) *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, 322 (6), pp. 379-389.
34. Lucafò, M., Gerdol, M., Pallavicini, A., Pacor, S., Zorzet, S., Da Ros, T., Prato, M., Sava, G. Profiling the molecular mechanism of fullerene cytotoxicity on tumor cells by RNA-seq (2013) *Toxicology*, 314 (1), pp. 183-192.
35. Tom, M., Manfrin, C., Giulianini, P.G., Pallavicini, A. Crustacean oxi-reductases protein sequences derived from a functional genomic project potentially involved in ecdysteroid hormones metabolism - A starting point for function examination (2013) *General and Comparative Endocrinology*, 194, pp. 71-80.
36. Agostini, C., Albaladejo, R.G., Aparicio, A., Arthofer, W., Berrebi, P., Boag, P.T., Carbone, I., Conroy, G.C., Cortesero, A.M., Costa Gonçalves, E., Costa, D., Couto, A., De Girolamo, M., Du, H., Fu, S.-J., Garrido-Garduño, T., Gettová, L., Gilles, A., Guerreiro Hamoy, I., Herrera, C.M., Heussler, C., Isidro, E., Josso, C., Krapf, P., Lamont, R.W., Le Ralec, A., Lopes, S., Luís, C., Luo, H., Mahéo, F., Marino, I.A.M., Mieuzet, L., Murray, B.W., Ogbourne, S.M., Pallavicini, A., Parejo-Farnés, C., Patarnello, T., Paty, C., Pereira, C., Pinho, C., Pinto, P., Poinot, D., Powell, A., Putman, A.I., Santoro, A., Santos, S., Schlick-Steiner, B.C., Scott, C., Silvanira Barbosa, M., Šimková, A., Simon, J.-C., Solé-Cava, A., Steiner, F.M., Sun, Z., Torboli, V., Tredway, L.P., Van Coeverden de Groot, P.J., Vasconcellos, A., Vázquez-Domínguez, E., Wang, D.-Q., Wang, Y.-X., Wei, Q.-W., Zane, L., Zhang, S.-H. Permanent genetic resources added to molecular ecology resources database 1 April 2013-31 May 2013 (2013) *Molecular Ecology Resources*, 13 (5), pp. 966-968.

37. Pallavicini, A., Canapa, A., Barucca, M., Alfoldi, J., Biscotti, M.A., Buonocore, F., De Moro, G., Di Palma, F., Fausto, A.M., Forconi, M., Gerdol, M., Makapedua, D.M., Turner-Meier, J., Olmo, E., Scapigliati, G. Analysis of the transcriptome of the Indonesian coelacanth *Latimeria menadoensis* (2013) *BMC Genomics*, 14 (1), art. no. 538, .
38. Manfrin, C., Tom, M., de Moro, G., Gerdol, M., Guarnaccia, C., Mosco, A., Pallavicini, A., Giulianini, P.G. Application of D-Crustacean Hyperglycemic Hormone Induces Peptidases Transcription and Suppresses Glycolysis-Related Transcripts in the Hepatopancreas of the Crayfish *Pontastacus leptodactylus* - Results of a Transcriptomic Study (2013) *PLoS ONE*, 8 (6), art. no. e65176, .
39. Toubiana, M., Gerdol, M., Rosani, U., Pallavicini, A., Venier, P., Roch, P. Toll-like receptors and MyD88 adaptors in *Mytilus*: Complete cds and gene expression levels (2013) *Developmental and Comparative Immunology*, 40 (2), pp. 158-166.
40. Del Terra, L., Lonzarich, V., Asquini, E., Navarini, L., Graziosi, G., Suggi Liverani, F., Pallavicini, A. Functional characterization of three *Coffea arabica* L. monoterpene synthases: Insights into the enzymatic machinery of coffee aroma (2013) *Phytochemistry*, 89, pp. 6-14.
41. Forconi, M., Canapa, A., Barucca, M., Biscotti, M.A., Capriglione, T., Buonocore, F., Fausto, A.M., Makapedua, D.M., Pallavicini, A., Gerdol, M., De Moro, G., Scapigliati, G., Olmo, E., Scharl, M. Characterization of Sex Determination and Sex Differentiation Genes in *Latimeria* (2013) *PLoS ONE*, 8 (4), art. no. e56006, .
42. Amemiya, C.T., Alfoldi, J., Lee, A.P., Fan, S., Philippe, H., MacCallum, I., Braasch, I., Manousaki, T., Schneider, I., Rohner, N., Organ, C., Chalopin, D., Smith, J.J., Robinson, M., Dorrington, R.A., Gerdol, M., Aken, B., Biscotti, M.A., Barucca, M., Baurain, D., Berlin, A.M., Blatch, G.L., Buonocore, F., Burmester, T., Campbell, M.S., Canapa, A., Cannon, J.P., Christoffels, A., De Moro, G., Edkins, A.L., Fan, L., Fausto, A.M., Feiner, N., Forconi, M., Gamielien, J., Gnerre, S., Gnirke, A., Goldstone, J.V., Haerty, W., Hahn, M.E., Hesse, U., Hoffmann, S., Johnson, J., Karchner, S.I., Kuraku, S., Lara, M., Levin, J.Z., Litman, G.W., Mauceli, E., Miyake, T., Mueller, M.G., Nelson, D.R., Nitsche, A., Olmo, E., Ota, T., Pallavicini, A., Panji, S., Picone, B., Ponting, C.P., Prohaska, S.J., Przybylski, D., Saha, N.R., Ravi, V., Ribeiro, F.J., Sauka-Spengler, T., Scapigliati, G., Searle, S.M.J., Sharpe, T., Simakov, O., Stadler, P.F., Stegeman, J.J., Sumiyama, K., Tabbaa, D., Tafer, H., Turner-Maier, J., Van Heusden, P., White, S., Williams, L., Yandell, M., Brinkmann, H., Volff, J.-N., Tabin, C.J., Shubin, N., Scharl, M., Jaffe, D.B., Postlethwait, J.H., Venkatesh, B., Di Palma, F., Lander, E.S., Meyer, A., Lindblad-Toh, K. The African coelacanth genome provides insights into tetrapod evolution (2013) *Nature*, 496 (7445), pp. 311-316.
43. Varotto, L., Domeneghetti, S., Rosani, U., Manfrin, C., Cajaraville, M.P., Raccanelli, S., Pallavicini, A., Venier, P. DNA Damage and Transcriptional Changes in the Gills of *Mytilus galloprovincialis* Exposed to Nanomolar Doses of Combined Metal Salts (Cd, Cu, Hg) (2013) *PLoS ONE*, 8 (1), art. no. e54602, .
44. Gerdol, M., De Moro, G., Torboli, V., Manfrin, C., Rosani, U., Venier, P., Pallavicini, A. Genomics in bivalve aquaculture. (2013) *Communications in agricultural and applied biological sciences*, 78 (4), pp. 153-156.
45. Furlan, M., Antonioli, M., Zingone, A., Sardo, A., Blason, C., Pallavicini, A., Fonda Umani, S. Molecular identification of *Ostreopsis cf. ovata* in filter feeders and putative predators (2013) *Harmful Algae*, 21-22, pp. 20-29.
46. Sgorlon, S., Colitti, M., Asquini, E., Ferrarini, A., Pallavicini, A., Stefanon, B. Administration of botanicals with the diet regulates gene expression in peripheral blood cells of Sarda sheep during ACTH challenge (2012) *Domestic Animal Endocrinology*, 43 (3), pp. 213-226.
47. Canapa, A., Olmo, E., Forconi, M., Pallavicini, A., Makapedua, M.D., Biscotti, M.A., Barucca, M. Composition and Phylogenetic Analysis of Vitellogenin Coding Sequences in the Indonesian Coelacanth *Latimeria menadoensis* (2012) *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, 318 (5), pp. 404-416.
48. Gerdol, M., De Moro, G., Manfrin, C., Venier, P., Pallavicini, A. Big defensins and mytimacins, new AMP families of the Mediterranean mussel *Mytilus galloprovincialis* (2012) *Developmental and Comparative Immunology*, 36 (2), pp. 390-399.
49. Manfrin, C., De Moro, G., Torboli, V., Venier, P., Pallavicini, A., Gerdol, M. Physiological and molecular responses of bivalves to toxic dinoflagellates (2012) *Invertebrate Survival Journal*, 9 (2), pp. 184-199.

50. Asquini, E., Gerdol, M., Gasperini, D., Igit, B., Graziosi, G., Pallavicini, A. S-RNase-like Sequences in Styles of Coffea (Rubiaceae). Evidence for S-RNase Based Gametophytic Self-Incompatibility? (2011) *Tropical Plant Biology*, 4 (3-4), pp. 237-249.
51. Rosani, U., Varotto, L., Rossi, A., Roch, P., Novoa, B., Figueras, A., Pallavicini, A., Venier, P. Massively parallel amplicon sequencing reveals isotype-specific variability of antimicrobial peptide transcripts in *Mytilus galloprovincialis* (2011) *PLoS ONE*, 6 (11), art. no. e26680, .
52. Sonthi, M., Toubiana, M., Pallavicini, A., Venier, P., Roch, P. Diversity of Coding Sequences and Gene Structures of the Antifungal Peptide Mytimycin (MytM) from the Mediterranean Mussel, *Mytilus galloprovincialis* (2011) *Marine Biotechnology*, 13 (5), pp. 857-867.
53. D'Andrea, M., Dal Monego, S., Pallavicini, A., Modonut, M., Dreos, R., Stefanon, B., Pilla, F. Muscle transcriptome profiling in divergent phenotype swine breeds during growth using microarray and RT-PCR tools (2011) *Animal Genetics*, 42 (5), pp. 501-509.
54. Gerdol, M., Manfrin, C., De Moro, G., Figueras, A., Novoa, B., Venier, P., Pallavicini, A. The C1q domain containing proteins of the Mediterranean mussel *Mytilus galloprovincialis*: A widespread and diverse family of immune-related molecule (2011) *Developmental and Comparative Immunology*, 35 (6), pp. 635-643.
55. Venier, P., Varotto, L., Rosani, U., Millino, C., Celegato, B., Bernante, F., Lanfranchi, G., Novoa, B., Roch, P., Figueras, A., Pallavicini, A. Insights into the innate immunity of the Mediterranean mussel *Mytilus galloprovincialis* (2011) *BMC Genomics*, 12, art. no. 69, .

