Vittoria Roncalli

Born in Napoli (Italy) on July 3rd, 1984

Current position: Research scientist

Current Affiliation:
Department of Integrative Marine Ecology
Stazione Zoologica Anton Dohrn, Napoli (Italy)
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Citizenship: Italy

Education

2015 Phd- Zoology (Marine Biology), University of Hawai'i at Manoa, HI.
Advisors: Dr. D. Hartline and Dr. P. Lenz.

2010 MS- Biology of Aquatic System, University of Naples Federico II, Naples, IT.
Advisors: Dr. C. Agnisola, Dr. A. Ianora.

2005 BA- Biology of Marine Productions, University of Naples Federico II, Naples, IT.
Advisors: Dr. C. Agnisola, Dr. A. Ianora.

Research Employment

Department of Genetic, Microbiology and Statistics-University of Barcelona, ES.
May 2018-2019, Postdoctoral Researcher – P.I.: Cristian Cañestro

Békésy Laboratory of Neurobiology-University of Hawai'i at Manoa, HI.
September 2015-April 2018, Postdoctoral Researcher – P.I.: Petra Lenz

Békésy Laboratory of Neurobiology-University of Hawai'i at Manoa, HI.
August 2011-August 2015, Research Assistant – P.I.: Petra Lenz

Teaching Experience

2018- Department of Genetic, Microbiology and Statistics-University of Barcelona, **ES** (Fall semester, undergraduate course). Instructor "Molecular Genetics".

2015- Department of Marine Biology-University of Hawai'i at Manoa, HI (Fall semester, graduate course). Co-Instructor "Transcriptomic of Non-model Eukaryotes".

2015- Department of Zoology- University of Hawai'i at Manoa, HI (Spring semester, undergraduate course). Teaching Assistant: "Introduction to Biology".

2013- Pacific Biosciences Research Center - University of Hawai'i at Manoa, HI – *Workshop* Co-Instructor "Bioinformatics of gene discovery and annotation from data to paper" for Maximizing Access to Research Careers (MARC).

Work experience

2024-February Scientist on the Citizen Scientist Antarctic Expedition cruise along the Antarctic Peninsula

2022-November-Jan 2023 Scientist at Mario Zucchelli Station (Antartica) as part of XXXVIII campagna Italia Antartide

2019-July 21-Aug 3 Scientist on the oceanographic cruise Ocean explores NOAA on board of the vessel "Sikuliaq" in the Gulf of Alaska (GOA)
https://oceanexplorer.noaa.gov/explorations/19gulfofalaska/welcome.html

2017-2018 Scientist on oceanographic cruises on board of the vessel "Tiglax" as part of a NSF project in Gulf of Alaska (GOA)

2017-2018 Visiting Scientist at University of Alaska Fairbanks (UAF)

2007-2008 Scientist on Oceanographic cruises on board of the vessel "URANIA" as part of the INTERREG project in the Adriatic Sea

2005-2008 Training in the Functional and Evolutionary Ecology laboratory- Stazione Zoologica "A. Dohrn", Naples (Italy)

Publications

Hansen, BH, Tarrant, AM, Lenz, PH, **Roncalli, V**, Almeda, R, Broch, OJ, Altin, D, Tollefsen, KE (2023) Effects of petrogenic pollutants on North Atlantic and Arctic Calanus copepods: From molecular mechanisms to population impacts. Aquatic Toxicology, 106825

Roncalli, V, Block, LN, Niestroy, JL, Cieslak, MC, Castelfranco, AM, Hartline, DK, Lenz, PH (2023) Experimental analysis of development, lipid accumulation and gene expression in a high-latitude marine copepod, Journal of Plankton Research, fbad045, https://doi.org/10.1093/plankt/fbad045

Rotolo, F, **Roncalli, V,** Cieslak, M, Gallo, A, Buttino, I, Carotenuto, T (2023) Transcriptomic analyisis revelas resposnes to a polluted sediment in the Mediterrean copepod *Acartia clausi*. Environmental pollution, 335, 122284

Uttieri M, Carotenuto Y, Di Capua I, **Roncalli V** (2023) Ecology of Marine Zooplankton. Journal of Marine Science and Engineering. 11(10):1875

Hartline, DK, Cieslak, MC, Castelfranco, AM., Lieberman, B, **Roncalli, V**, Lenz, PH (2023) *De novo* transcriptomes of six calanoid copepods (Crustacea): a resource for the discovery of novel genes. Scientific Data 10, 242. https://doi.org/10.1038/s41597-023-02130-1

Monell KJ, **Roncalli, V**, Hopcroft, RR, Hartline, DK, Lenz, PH. (2023) Post-Diapause DNA Replication During Oogenesis in a Capital-Breeding Copepod, Integrative Organismal Biology, obad020, https://doi.org/10.1093/iob/obad020

Roncalli, V, Uttieri, M, Carotenuto, Y (2023) The Distribution of Ferritins in Marine Copepods. Journal of Marine Science and Engineering.11(6):1187

C Plessy, C, Mansfield, MJ, Bliznina, Al, Masunaga, A, West, C, Tan, Y, Liu, AW, Grašič, J, del Río Pisula, MS, Sánchez-Serna, G, Fabrega-Torrus, M, Ferrández-Roldán, A, **Roncalli, V**, Navratilova, P, Thompson, EM, Onuma, T, Nishida, H, Cañestro, C, Luscomb, ML (2023) Extreme genome scrambling in cryptic *Oikopleura dioica* species. bioRxiv 2023.05.09.539028

Roncalli, V, Cieslak, MC, Castelfranco, AM, Hartline, DK, Lenz, H (2022) Postponing development: dormancy in the earliest developmental stages of a high-latitude calanoid copepod, Journal of Plankton Research, 44 (6), 923–935

Roncalli, V, Uttieri, M, Capua, ID, Lauritano, C, Carotenuto, Y (2022) Chemosensory-Related Genes in Marine Copepods. Marine drugs 20(11):681. https://doi.org/10.3390/md20110681

Roncalli, V, Niestroy, J, Cieslak, MC, Castelfranco, AM, Hopcroft, RR, Lenz, PH (2022) Physiological acclimatization in high-latitude zooplankton. Molecular Ecology doi.org/10.1111/mec.16354

Roncalli, V, Lauritano, C, Carotenuto, Y (2021). First Report of OvoA Gene in Marine Arthropods: A New Candidate Stress Biomarker in Copepods. Marine drugs, 19(11), 647

Lauritano, C, Carotenuto, Y, **Roncalli, V**, (2021) Glutathione S-Transferases in Marine Copepods. Journal of Marine Science and Engineering, 9(9), p.1025

Roncalli, V, Cieslak, MC, Castelfranco, AM, Hopcroft, RR, Hartline, DK, & Lenz, PH. (2021). Post-diapause transcriptomic restarts: insight from a high-latitude copepod. BMC genomics, 22, 1-17

Lenz, P.H., **Roncalli, V**, Cieslak, MC, Tarrant AM, Castelfranco AM, Harline DK. (2021) Diapause vs. reproductive programs: transcriptional phenotypes in a keystone copepod. Communication Biology 4, 426. https://doi.org/10.1038/s42003-021-01946-0

Lauritano L, **Roncalli V**, Ambrosino L, Cieslak MC, Ianora A (2020) First *de novo* transcriptome of the copepod *Rhincalanus gigas* from Antartic waters. Biology, 9, 410

Lenz PHL, Lieberman B, Cieslak MC, **Roncalli V**, Hartline DK (2020) Transcriptomics and Metatranscriptomics in Zooplankton: Wave of the Future? Journal of Plankton Research, fbaa058, doi.org/10.1093/plankt/fbaa058

Roncalli V, Cieslak MC, Hopcroft RR, Lenz PH (2020) Capital breeding in a diapausing copepod: A transcriptomic analysis. Frontiers in Marine Science, 7, 56

Cieslak MC, Castelfranco AM, **Roncalli V**, Lenz PH, Hartline DK (2020) t-Distributed Stochastic Neighbor Embedding (t-SNE): A tool for eco-physiological transcriptomic analysis. Marine Genomics, p.100723

Roncalli V, Cieslak MC, Germano M, Hopcroft RR, Lenz PH (2019) Regional heterogeneity impacts gene expression in the subarctic zooplankter *Neocalanus flemingeri* in the northern Gulf of Alaska. Communications Biology 2, 234

Lenz PH and **Roncalli V** (2019) Diapause within the context of life history strategies in calanid copepods (Calanoida: Crustacea). Biological Bulletin, 237, 170-179

Torres-Águila NP, Martí-Solans J, Ferrández-Roldán A., Almazán A, **Roncalli V**, D'Aniello S, Romano G, Palumbo A, Albalat R and Cañestro C. (2018) Diatom bloom-derived biotoxins cause aberrant development and gene expression in the appendicularian chordate *Oikopleura dioica*. Communications Biology, 1,121

Canestro C, **Roncalli V** (2018) Gene losses did not stop the evolution of big brains. ELIFE, 7, ISSN: 2050-084X, doi: 10.7554/eLife.41912

Christie AE, Yu A, **Roncalli V**, Pascual MG, Cieslak MC, Warner AN, Lameyer TJ, Stanhope ME, Dickinson PS, Hull JJ. (2018) Molecular evidence for an intrinsic circadian pacemaker in the cardiac ganglion of the American lobster, *Homarus americanus*. Is diel cycling of heartbeat frequency controlled by a peripheral clock system? Marine genomics, 41, 9-30

Roncalli V, Sommer SA, Cieslak MC, Clarke C., Hopcroft RR, Lenz PH. (2018) Physiological characterization of the emergence from diapause: a transcriptomics approach. Scientific Reports, 8, 12577

Christie AE, Cieslak, MC, **Roncalli V**, Lenz PH, Major K, Poynton H. (2018) Prediction of *Hyalella azteca*(Crustacea; Amphipoda) peptide hormones using a *de novo* transcriptome assembly. Marine Genomics, 38, 67-88

Roncalli V, Christie AE, Sommer SA, Cieslak MC, Hartline DK, Lenz PH. (2017) A deep transcriptomic resource for the copepod crustacean *Labidocera madurae*: a potential indicator species for assessing near shore ecosystem health. PloS one 10, e0186794

Roncalli V, Lenz PH, Cieslak MC, Hartline DK. (2017) Complementary mechanisms for neurotoxin resistance in a copepod. Scientific Reports, 7, 14201

Roncalli V, Cieslak MC, Sommer SA, Hopcroft RR, Lenz PH. (2017) *De novo* transcriptome assembly of the calanoid copepod *Neocalanus flemingeri*: a new resource for emergence from diapause. Marine Genomics, 37, 114-119

Porter M, Steck M, **Roncalli V**, Lenz PH. (2017) Molecular characterization of copepod photoreception. Biological Bulletin 233, 1,96-110

Gandler H, Stanhope M., Shea D, Christie AE, Yu A, LaMeyer T, **Roncalli V**, Cieslak MC and Dickinson P. (2017) Peptidergic Modulation in the Lobster Cardiac Neuromuscular System: A transcriptomic analysis of peptides and peptide receptors in cardiac ganglion and muscle. FASEB, 31, 874-8

Christie AE, **Roncalli V**, Cieslak MC, Pascual MG, Yu A, Lameyer T, Stahone MF and Dickinson PS (2017) Prediction of a neuropeptidome for the eyestalk ganglia of the lobster *Homarus americanus* using a tissue-specific *de novo* assembled transcriptome. General and Comparative Endocrinology, 243, 96-119

Christie AE, **Roncalli V** and Lenz PH (2016) Diversity of insulin-like peptide signaling system proteins in *Calanus finmarchicus* (Crustacea; Copepoda)- Possible contributors to seasonal pre- adult diapause. General and Comparative Endocrinology, 236, 157-173

Roncalli V, Jungbluth MJ and Lenz PH (2016) Glutathione S-Transferase regulation in *Calanus finmarchicus* feeding on the toxic dinoflagellate *Alexandrium fundyense*. PloS one,11, e0159563

Roncalli V, Cieslak MC, Lenz PH (2016) Transcriptomic responses of the calanoid copepod *Calanus finmarchicus* to the saxitoxin producing dinoflagellate *Alexandrium fundyense*. Scientific Reports, 6, 25708

Lauritano C, Romano G, **Roncalli V**, Amoresano A, Fontanarosa C, Bastianini M, Braga F, Ianora A (2016) New

oxylipins produced at the end of a diatom bloom and their effect on copepod reproductive success and gene expression levels. Harmful algae, 55, 221-229

Roncalli V, Turner JT, Kulis D, Anderson DM and Lenz PH (2016) The effect of the toxic dinoflagellate *Alexandrium fundyense* on the fitness of the calanoid copepod *Calanus finmarchicus*. Harmful Algae, 51, 56-66

Roncalli V, Cieslak MC, Passamaneck Y, Christie AE, Lenz PH. (2015) Glutathione S-transferase (GST) gene diversity in the crustacean *Calanus finmarchicus*-Contributors to cellular detoxifications. PloS one,10 (5), e0123322

Ianora A, Bastianini M, Carotenuto Y, Casotti R, **Roncalli V**, Miralto A, Turner JT (2015) Non- volatile oxylipins can render some diatom blooms more toxic for copepod reproduction. Harmful Algae, 44, 1-7

Christie AE, Fontanilla TM, **Roncalli V**, Cieslak MC and Lenz PH (2014) Diffusible gastransmitter signaling in the copepod crustacean *Calanus finmarchicus*: identification of the biosynthetic enzymes of nitric oxide (NO), carbon monoxide (CO) and hydrogen sulfide (H_2S) using a *de novo* assembled transcriptome. General and Comparative Endocrinology, 202, 76-86.

Lenz PH, **Roncalli V**, Hassett RP, Wu LS, Cieslak MC, Hartline DK and Christie AE (2014) *De novo* assembly of a transcriptome for *Calanus finmarchicus* (Crustacea, Copepoda)–the dominant zooplankter of the North Atlantic Ocean. PloS one,9, e88589

Christie AE, Fontanilla TM, **Roncalli V**, Cieslak MC and Lenz PH (2014) Identification and developmental expression of the enzymes responsible for dopamine, histamine, octopamine and serotonin biosynthesis in the copepod crustacean *Calanus finmarchicus.* General and Comparative Endocrinology,195, 28-39

Christie AE, **Roncalli V**, Wu LS, Ganote, CL, Doak T and Lenz PH. (2013) Peptidergic signaling in *Calanus finmarchicus* (Crustacea, Copepoda): *in silico* identification of putative peptide hormones and their receptors using a *de novo* assembled transcriptome. General and Comparative Endocrinology, 187, 117-135

Christie AE, **Roncalli V,** Lona PB, McCoole MD, King BL, Bucklin A, Hartline DK, Lenz PH (2013) *In silico* characterization of the insect diapause-associated protein couch potato (CPO) in *Calanus finmarchicus* (Crustacea: Copepoda). Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 8, 45-57

Turner JT, **Roncalli V**, Ciminiello P, Dell'Aversano C, Fattorusso E, Tartaglione L, Ianora A (2012) Biogeographic effects of the Gulf of Mexico red tide dinoflagellate *Karenia brevis* on Mediterranean copepods. Harmful Algae, 16, 63-73

Ianora A, Romano G, Carotenuto Y, Esposito F, **Roncalli V,** Buttino I and Miralto A (2011) Impact of the diatom oxylipin 15S-HEPE on the reproductive success of the copepod *Temora stylifera*. Hydrobiologia, 666, 265-275

Others

Roncalli V, Cieslak MC, Lenz PH (2016) Transcriptomic responses of the calanoid copepod *Calanus finmarchicus* to the saxitoxin producing dinoflagellate *Alexandrium fundyense*. Dryad Digital Repository. pp. DOI: http://dx.doi.org/10.5061/dryad.11978

Roncalli V. 2015. The effect of the toxic dinoflagellate *Alexandrium fundyense* on the calanoid copepod *Calanus finmarchicus*. Phd dissertation, University of Hawai'i at Manoa.10002221, ProQuest Dissertations Publishing

Grants

- 2019-IRBio _UB_PR2019, research grant Biodiversity Research Institute (IRBio) of the University of Barcelona, ES (PI: Vittoria Roncalli).

- 2017-Beatriu de Pinos, grant for the recruitment of research staff to incorporate as postdoctoral research into Catalan Science and Technology system, University of Barcelona, ES.
- 2016-Juan de la Cierva, grant for the incorporation young researcher, supported by the Agencia Estatal de Investigación, University of Barcelona, ES.
- 2012- Mount Desert Island Biological Laboratory's David W. Towle Fellowship 2012, for the development of an individual project including experimental work performed at the MDIL laboratory, ME.
- 2008-Socrates ERASMUS fellowship at Department of Marine and Environmental Science, U. Cadiz, ES.

Outreach and services

2024- BA internship- Internal correlator for Chiara Pizzicato, University Federico II of Naples

2023- MS thesis- External correlator for Daniela Ascione, University Federico II of Naples

2022- Phd external committee for Apollo Linzano, NORD University

2020-Ocean Science Meeting (ASLO), San Diego-co-Chair of session ME12A - Impacts of Ecological Interactions on Marine Ecosystem Dynamics and Biodiversity: New Insights from Theory, Models, and Field Measurements II

2019- Alba Ramon Lainez, Internal tutor for international student mobility program (ERASMUS), University of Barcelona, Biology Department

2019- Raquel Griñán González, Internal tutor for international student mobility program (ERASMUS), University of Barcelona, Biology Department

2018 to 2019-Connie Whiting, University of Barcelona, exchanging student from Manchester University, University of Barcelona, Biology Department

2018- Professor for "Tribunal de TFGs", University of Barcelona, Biology Department

2017-Kyle Nugent, University of Hawai'i at Manoa, undergraduate student, Biology.

2016- Justin Suitos, University of Hawai'i at Manoa, undergraduate student, Biology.

2015 Stephanie Matthews, University of Hawai'i at Manoa, undergraduate student, Marine Biology.

2014-2015 Matthew C. Cieslak, University of Hawai'i at Manoa, undergraduate student. Computer Science

2015-2017-SOEST Open House outreach event- Zooplankton: Microscopic Ocean Drifters

Peer-reviewer for: Aquaculture, Aquatic Ecology, PLoS one, Journal of Heredity, Journal of Environmental Sciences, Marine Genomics, Frontiers in Marine Science Marine Molecular Biology

and Ecology, Environmental Science, Marine environmental research, Molecular Biology Reports, Conservation Physiology, Genes.

Editor for:

Marine Genomics (2018), Frontiers in Marine Science Marine Molecular Biology and Ecology (2018), Integrative Comparative Biology (Assistant Editor, 2019), Frontiers in Cell and Developmental Biology (2021), Journal of Marine Scienve and Engineering (2024).

Society memberships: Society for Integrative and Comparative Biology (SICB), Association for the Sciences of Limnology and Oceanography (ASLO), World association of copepodologists (WAC).

Representative presentation in scientific meeting
(*Presenter)

- 2024- **Roncalli V**, Castelfranco AM, Hartline DK, Lenz PH. "The search for a molecular signature for dormancy, a multi-trait phenotype in calanoid copepods". ICES-PICES 7th Zooplankton Symposium, Hobart*
- 2023- Saggiomo M, Escalera L, Saggiomo V, Bolinesi F, **Roncalli V**, Mangoni O. "Shift in phytoplankton communities below the Antarctic Landfast Ice During the Melt Season Between Late Spring and Early Summer in Terra Nova Bay". 4th Ross Sea Conference, Naples*
- 2023- **Roncalli V**, Castelfranco AM, Hartline DK, Lenz PH. "The search for a molecular signature for dormancy, a multi-trait phenotype in calanoid copepods". 52° Congresso della Società Italiana di Biologia Marina (SIBM), Messina*
- 2023- **Roncalli V**, Castelfranco AM, Hartline DK, Lenz PH. "The search for a molecular signature for dormancy, a multi-trait phenotype in calanoid copepods" Ocean Science meeting (ASLO), Palma de Maiorca*
- 2022-**Roncalli V** "The molecular mechanism of emergence from diapause in a crustacean". Estuary & Ocean Science Center, San Francisco state University, Tiburon*
- 2020-**Roncalli V**, Cieslak MC, Hopcroft RR, Lenz PH. "Energy allocation in a diapausing copepod: a transcriptomics analysis". Ocean Science meeting (ASLO), San Diego*
- 2020- Monell K, **Roncalli V**, Hopcroft RR, Lenz PH "Characterization of cell division during early oogenesis in copepod females emerging from diapause". Ocean Science meeting (ASLO), San Diego
- 2020-Lenz PH, **Roncalli V**, Cieslak MC, Castelfranco AM, Hartline DK." Exploring the application of t-Distributed Stochastic Neighbor Embedding (t-SNE) analysis to investigate ecological physiology of zooplankton". Ocean Science meeting (ASLO), San Diego
- 2020-**Roncalli V**, Cieslak MC, Hopcroft RR, Lenz PH. "Capital breeding in a diapausing copepod: a transcriptomics analysis". Society for Integrative and Comparative Biology, Austin*
- 2019-**Roncalli V**, Torres-Águila NP, Martí-Solans J, Ferrández-Roldán A, Almazán A, D'Aniello S, Romano G, Palumbo A, Albalat R and Cañestro C. "Transcriptomics of the developmental response of *Oikopleura dioica* to diatom-bloom derived biotoxins". 10th Tunicate meeting, Villefranche Sur Mer, France*
- 2019- **Roncalli V**, Cieslak MC, Hopcroft RR, Lenz PH. "Environmental heterogeneity in the northern Gulf of Alaska impacts physiological status in the copepod, *Neocalanus flemingeri* ". Alaska Marine Science Symposium, Anchorage

- 2018-**Roncalli V**, "The power of transcriptomics; new approaches to studying copepods". First Advanced Zooplankton Course Morphological and Molecular Taxonomy of Marine Copepods (AZC1), Stazione Zoologica "A. Dohrn", Naples (invited lecturer) *
- 2018-**Roncalli V**, Cieslak MC, Hartline DK, Germano M, Cieslak MC, Strom, SL, Hopcroft RR, Lenz, PH Hopcroft RR "Consequences of regional heterogeneity on the physiology of a calanoid copepod, *Neocalanus flemingeri* in the northern Gulf of Alaska". American Society for Limnology and Oceanography Ocean Sciences meeting, Portland *
- 2018-**Roncalli V**, Cieslak MC, Hartline DK, Germano M, Cieslak MC, Strom, SL, Hopcroft RR, Lenz, PH. "The physiological ecology of the calanid copepod, *Neocalanus flemingeri* in the northern Gulf of Alaska". Alaska Marine Science Symposium, Anchorage
- 2017- **Roncalli V**, Cieslak MC, Sommer AS, Hopcroft CC, Lenz PH, Hopcroft RR. "Transcriptomic changes in *Neocalanus flemingeri* from diapause emergence to egg production". 13th International Conference on Copepoda, Los Angeles *
- 2017- **Roncalli V**, "The Ecophysiology of marine organism-A transcriptomic approach to the diapause emergence". IRBio, University of Barcelona (invited speaker) *
- 2017-**Roncalli V**, Cieslak MC, Hartline K "How *Calanus finmarchicus* resists to the STX-producing *Alexandrium fundyense*". American Society for Limnology and Oceanography Ocean Sciences meeting, Honolulu *
- 2017- **Roncalli V**, Cieslak MC, Matthews S, Hopcroft C, Hopcroft RR, Lenz PH "Physiological changes in *Neocalanus flemingeri* females during the transition from diapause to reproduction". American Society for Limnology and Oceanography Ocean Sciences meeting, Honolulu *
- 2017- Lenz PH, **Roncalli V**, Cieslak MC, Matthews S, Hartline DK, Christie AA "Adventures in transcriptomics". American Society for Limnology and Oceanography, Ocean Sciences meeting, Honolulu
- 2017- Matthews S, **Roncalli V**, Cieslak MC, Hartline D, Christie AE, Lenz PH. " The transcriptome of *Labidocera madurae*: evaluation of the quality and depth of a *de novo* assembly ". American Society for Limnology and Oceanography, Ocean Sciences meeting, Honolulu
- 2017- Lenz PH, **Roncalli V**, Cieslak MC, Matthews S, Hopcroft C, Hopcroft RR. "Emergence from diapause in *Neocalanus flemingeri* females: physiological and morphological progression". Alaska Marine Science Symposium, Anchorage
- 2017- Stanhope ME., Gandler H, Shea DN, Pascual MG, Yu A., Lameyer TJ, **Roncalli V**, Cieslak MC, Dickinson PE, Christie AE. "Hormonal modulation in the lobster cardiac neuromuscular system: A transcriptomic analysis of peptide receptors in cardiac ganglion and muscle". Society for Integrative and Comparative Biology, New Orleans
- 2017- Gandler H, Stanhope ME., Shea DN, Pascual MG, Yu A, Lameyer TJ, **Roncalli V**, Cieslak MC, Christie AE, Dickinson PE. "Intrinsic peptidergic modulation in the lobster cardiac neuromuscular system: A transcriptomic analysis of peptides and peptide receptors in cardiac ganglion and muscle". Society for Integrative and Comparative Biology, New Orleans
- 2017- Steck M, **Roncalli V**, Cieslak MC, Lenz PH, Christie AE, Porter M. "Characterization of phototransduction genes in *Alima pacifica* (Crustacea, Stomatopoda)". Society for Integrative and Comparative Biology, New Orleans
- 2016- Hartline DK, Lenz PH, **Roncalli V.**" Multiplicity of Sodium Channel Genes in Crustaceans". Society for Neuroscience, Neuroscience 2016, San Diego
- 2016- Lenz PH, **Roncalli V**, Cieslak MC. "Control of diapause in calanoid copepods:

Identification of regulatory pathways using in *silico* data mining". American Society for Limnology and Oceanography, Ocean Sciences meeting, New Orleans

- 2016- **Roncalli V**, Cieslak MC, Lenz PH. "Application of high-throughput sequencing technology to investigate the effect of a toxic dinoflagellate on nauplii of the copepod *Calanus finmarchicus*". ICES/PICES 6th Zooplankton Production Symposium meeting, Bergen*
- 2016- **Roncalli V**, Cieslak MC Lenz PH. "The insidious effect of the toxic alga *Alexandrium fundyense* on the physiology of the calanoid copepod *Calanus finmarchicus*". ICES/PICES 6th Zooplankton Production Symposium meeting, Bergen*
- 2016- **Roncalli V**, Cieslak MC, Lenz PH. "Using transcriptomics to investigate effects of a natural stressor on the physiology of a crustacean calanoid copepod". Society for Integrative and Comparative Biology, Portland*
- 2015- Hartline DK, Lenz PH, **Roncalli V**. "Multiplicity of NaV1 Genes in a Crustacean Subclass, the Copepoda" Society for Integrative and Comparative Biology, Palm Beach
- 2015- **Roncalli V.** "The effect of the harmful dinoflagellate *Alexandrium fundyense* on the fitness of the calanoid copepod *Calanus finmarchicus"*. 40th Tester Symposium, U. Hawaii at Manoa, Honolulu*
- 2014- **Roncalli V**, Christie AE, Lenz PH. "Studies on the transcriptome of the copepod *Calanus finmarchicus* fed the saxitoxin producing dinoflagellate *Alexandrium fundyense*" Stazione Zoologica "*A. Dohrn*", Naples *(<u>invited speaker</u>)
- 2014- **Roncalli V**, Lenz PH, Christie AE. "Identification and expression of Juvenile of hormone during development in the copepod *Calanus finmarchicus*". American Society for Limnology and Oceanography, Ocean Sciences meeting, Honolulu*
- 2014- Fontanilla T, **Roncalli V**, Lenz PH, Christie AE. "Identification and expression of neurochemical signaling system in the copepod *Calanus finmarchicus* during development". American Society for Limnology and Oceanography, Ocean Sciences meeting, Honolulu
- 2013- **Roncalli V**, Lenz PH, Christie AE. "Development of a reference transcriptome for the marine copepod *Calanus finmarchicus*: a new resource for gene-based studies of physiological ecology". 38th Tester Symposium, U. Hawaii at Manoa, Honolulu*
- 2013- **Roncalli V**, Lenz PH, Christie AE. "Identification and developmental profiling of the insect diapause-associated protein couch potato (CPO) in the copepod *Calanus finmarchicus*" American Society for Limnology and Oceanography, Aquatic Sciences meeting, New Orleans*
- 2012- Ianora A, **Roncalli V**, Carotenuto Y, Romano G, Lauritano C, Miralto A. "Impact of non-volatile diatom oxylipins on the reproductive of the *Temora Stylifera* ". American Society for Limnology and Oceanography, Ocean Sciences meeting, Salt Lake City*
- 2012- Turner J, **Roncalli V**, Cimminiello P, Carotenuto Y, Esposito F, Ianora A. "Biogeographic effects of the Gulf of Mexico red tide dinoflagellate *Karenia brevis* on Mediterranean copepods". American Society for Limnology and Oceanography, Ocean Sciences meeting, Salt Lake City