

Dr. Riccardo Mozzachiodi

Texas A&M University-Corpus Christi
Science & Engineering, Life Sciences

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Education

PhD, University of Pisa, 1999.

BS, University of Pisa, 1994.

Professional Employment

Associate Professor of Neuroscience, Texas A&M University - Corpus Christi. (September 2013 - Present).

Adjunct Member of the Graduate Faculty, Texas A&M University - College Station. (June 2013 - Present).

Assistant Professor of Neuroscience, Texas A&M University - Corpus Christi. (August 2007 - August 2013).

Postdoctoral Fellow, P.I.: Dr. John H. Byrne, University of Texas - Houston Medical School. (October 1999 - July 2007).

Professional Memberships

Society for Molluscan Neuroscience
Sigma Xi, The Scientific Research Society
Sigma Xi, The Scientific Research Society, South Texas Chapter
American Physiological Society
Faculty for Undergraduate Neuroscience
Society for Neuroscience

TEACHING

Teaching Experience

BIMS 2171, Medical Terminology
BIMS 2200, PROFESSIONAL SKILLS
BIMS 3401, PATHOPHYSIOLOGY
BIMS 4323, NEUROBIOLOGY
BIMS 4396, DIS: Effects of aversive stimuli on the decision making neural circuit in the marine snail Aplysia
BIMS 5323, NEUROSCIENCES
BIMS 5396, DIS: Determine the presences of seasonal variation of feeding behavior in Aplysia californica
BIOL 2200, PROFESSIONAL SKILLS
BIOL 4311, BIOLOGICAL BASES OF BEHAVIOR
BIOL 4396, DIS: In vitro analysis pf the contribution of the guanlyl cyclase to the learning related neuronal p
BIOL 4590, SELECTED TOPICS: Biological Bases of Behavior
BIOL 5102, GRADUATE DEFENSE SEMINAR

BIOL 5311, CELLULAR BASES OF BEHAVIOR
BIOL 5392, THESIS PROPOSAL
BIOL 5393, THESIS RESEARCH
BIOL 5394, THESIS SUBMISSION
BIOL 5396, DIS: Theoretical bases and practical aspects of single neuron recording
BIOL 5590, SPECIAL TOPICS: Cellular Bases of Behavior
BIOL 5940, PROJECT RESEARCH
HONR 4195, PROJECT OF EXCELLENCE
MARB 5392, THESIS PROPOSAL
MARB 5393, THESIS RESEARCH
MARB 5394, THESIS SUBMISSION
MARB 5596, DIS: Role of Nitric oxide in the modulation of the activity of a decision making neuron in the
MARB 5940, THESIS PROJECT RESEARCH
MARB 6102, GRADUATE RESEARCH SEMINAR
MARB 6392, DISSERTATION PROPOSAL
MARB 6940, DISSERTATION PROJECT RESEARCH

Non-Credit Instruction

Using Invertebrate Models to assess the neurophysiological effects of pollutants/toxins, USDA/NIFA Hispanic Serving Institutions Education Grants Program. (July 2012).
Using Invertebrate Models to assess the neurophysiological effects of pollutants/toxins, USDA/NIFA Hispanic Serving Institutions Education Grants Program. (June 2012).
Using Invertebrate Models to assess the neurophysiological effects of pollutants/toxins, USDA/NIFA Hispanic Serving Institutions Education Grants Program. (July 2011).
Using Invertebrate Models to assess the neurophysiological effects of pollutants/toxins, USDA/NIFA Hispanic Serving Institutions Education Grants Program. (June 2011).

SCHOLARLY AND CREATIVE ACTIVITIES

Publications

Refereed

Book Chapters

Mozzachiodi, R., Byrne, J. H. (2017). Plasticity of intrinsic excitability as a mechanism for memory storage. In S. Sara and D.J. Sweatt (Ed.), *Learning and Memory: A Comprehensive Reference, Second Edition*. Oxford: Elsevier. doi.org/10.1016/B978-0-12-809324-5.21114-0

Mozzachiodi, R., Byrne, J. H. Plasticity of Intrinsic Excitability (in press). In J. Stein (Ed.), *Reference Module in Neuroscience and Biobehavioral Psychology*. Oxford, Elsevier.

Mozzachiodi, R., Baxter, D. A., Byrne, J. H. (2013). Comparison of Operant and Classical Conditioning of Feeding Behavior in Aplysia. In R. Menzel and P.R. Benjamin (Ed.), *Invertebrate Learning and Memory* (pp. 183-193). Oxford: Elsevier.

Mozzachiodi, R., Byrne, J. H. (2009). Plasticity of Intrinsic Excitability. In Larry R. Squire (Ed.), *Encyclopedia of Neuroscience* (vol. 7, pp. 733-739). Oxford Academic Press.

Mozzachiodi, R., Byrne, J. H. (2008). Plasticity of intrinsic excitability as a mechanism for memory storage. In J.H. Byrne and D.J. Sweatt (Ed.), *Learning and Memory: A*

Comprehensive Reference. Volume 4: Molecular Mechanisms of Memory (pp. 829-838). Oxford: Elsevier.

Scuri, R., Mozzachiodi, R., Roberto, M., Brunelli, M. (1998). Nuove metodologie per lo studio degli effetti delle biotossine: la tecnica elettrofisiologica nell'analisi dell'azione dei metaboliti della *Caulerpa taxifolia* sulle cellule nervose di invertebrato (in Italian). In Regione Toscana, Italy (Ed.), *AMBIENTE MARE: ecologia e nuove tecnologie di ricerca. Collana: Ricerca Scientifica e Tecnologica* (vol. 12 (part I), pp. 15-39).

Conference Proceedings

Iyengar, S. M., Talcott, C., Mozzachiodi, R., Cataldo, E., Baxter, D. A. (2007). *Executable symbolic models of neural processes*.

Brunelli, M., Mozzachiodi, R., Scuri, R., Zaccardi, M. L. (2001). In Gravez V., Ruitton S., Boudouresque C.F., Le Direac'h L., Meinesz A., Scabbia G. & Verlaque M. (Ed.), *Effects of caulerpenyne on the nervous system of the leech *Hirudo medicinalis*: electrophysiological and neuroethological results* (pp. 150-157). Fourth International Workshop on *Caulerpa taxifolia*. GIS Posidonie publ. Fr.

Journal Articles

Chatterji, R., Wainwright, M. L., Mozzachiodi, R. (2017). Role of the protein kinase G in the behavioral and neuronal plasticity induced by aversive stimuli in the marine invertebrate *Aplysia*. *The FASEB Journal*, 31(no.1 supplement), 719.15.

Wolfe, K. D., Wainwright, M. L., Smee, D. L., Mozzachiodi, R. (2016). Eat or be eaten? Modifications of *Aplysia californica* feeding behaviour in response to natural aversive stimuli. *Animal Behaviour*, 120, 123-133.

Dickinson, K. J., Wainwright, M. L., Mozzachiodi, R. (2015). Change in excitability of a putative decision-making neuron in *Aplysia* serves as a mechanism in the decision not feed following food satiation. *Behavioural Brain Research*, 281, 131–136.

Weisz, H. A., Wainwright, M. L., Mozzachiodi, R. (2013). Development of an in vitro analog concomitantly expressing the cellular correlates of sensitization and suppression of feeding in *Aplysia californica*. *The FASEB Journal*, 27(no.1 supplement), 934.2.

Odem, M., Wainwright, M. L., Mozzachiodi, R. (2013). In vitro analysis of the feeding neural circuit in *Aplysia* after long-term sensitization training. *The FASEB Journal*, 27(no.1 supplement), 934.3.

Shields-Johnson, M., Hernandez, J. S., Torno, C., Adams, K. M., Wainwright, M. L., Mozzachiodi, R. (2013). Effects of Aversive Stimuli beyond Defensive Neural Circuits: Reduced Excitability in an Identified Neuron Critical for Feeding in *Aplysia*. *Learning & Memory*, 20, 1-5.

Zaccardi, M., Mozzachiodi, R., Traina, G., Brunelli, M., Scuri, R. (2012). Molecular mechanisms of short-term habituation in the leech *Hirudo medicinalis*. *Behavioral Brain Research*, 229, 235-243.

Acheampong, A., Kelly, K., Shields-Johnson, M., Hajovsky, J., Wainwright, M. L., Mozzachiodi, R. (2012). Rapid and persistent suppression of feeding behavior induced by sensitization training in *Aplysia*. *Learning and Memory*, 19, 159-163.

Mozzachiodi, R., Byrne, J. H. (2010). More than synaptic plasticity: role of nonsynaptic plasticity in learning and memory. *Trends in Neuroscience*, 33, 17-26.

Mozzachiodi, R., Lorenzetti, F. D., Baxter, D. A., Byrne, J. H. (2008). Changes in neuronal excitability serve as a mechanism of long-term memory for operant conditioning. *Nature Neuroscience*, 11, 1146-1148.

Lorenzetti, F. D., Mozzachiodi, R., Baxter, D. A., Byrne, J. H. (2006). Classical and operant conditioning differentially modify the intrinsic properties of an identified neuron. *Nature Neuroscience*, 9, 17-19.

Scuri, R., Mozzachiodi, R., Brunelli, M. (2005). A role for calcium signaling and arachidonic acid metabolites in the activity-dependent enhancement of AHP amplitude in leech T sensory neurons. *Journal of Neurophysiology*, 94, 1066-1073.

Reyes, F. D., Mozzachiodi, R., Baxter, D. A., Byrne, J. H. (2005). Reinforcement in an in vitro analogue of appetitive classical conditioning of feeding behavior in Aplysia: blockade by a dopamine antagonist. *Learning and Memory*, 12, 216-220.

Mozzachiodi, R., Lechner, H. A., Baxter, D. A., Byrne, J. H. (2003). In vitro analogue of classical conditioning of feeding behavior in Aplysia. *Learning and Memory*, 10, 478-494.

Scuri, R., Mozzachiodi, R., Brunelli, M. (2002). Activity-dependent increase of the AHP amplitude in T sensory neurons of the leech. *Journal of Neurophysiology*, 88, 2490-2500.

Mozzachiodi, R., Scuri, R., Roberto, M., Brunelli, M. (2001). Caulerpenyne, a toxin from the seaweed *Caulerpa taxifolia*, depresses afterhyperpolarization in invertebrate neurons. *Neuroscience*, 107, 519-526.

Brunelli, M., Garcia-Gil, M., Mozzachiodi, R., Roberto, M., Scuri, R., Traina, G., Zaccardi, M. L. (2000). Neurotoxic effects of caulerpenyne. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 24, 939-954.

Brunelli, M., Garcia-Gil, M., Mozzachiodi, R., Scuri, R., Zaccardi, M. L. (1997). Neurobiological principles of learning and memory. *archives italiennes de biologie*, 135, 15-36.

Non-Refereed

Conference Proceedings

Scuri, R., Della Pietra, F., Mozzachiodi, R., Cinelli, F., Brunelli, M. (1996). In Ribera M. A., Ballesteros E., Boudouresque C. F., Gomez A. & Gravez V. (Ed.), *Changes in invertebrates single neuron activity produced by crude extract of Caulerpa taxifolia* (pp. 343-348). Second International Workshop on *Caulerpa taxifolia*. Publicacions Universitat Barcelona.

Presentations

Mozzachiodi, R. (Author & Presenter), MacLeod, K. (Author), Seas, A. (Author), Wainwright, M. L. (Author), "Modulation of learning-induced long-term behavioral plasticity by prolonged food deprivation and extended sensitization training in Aplysia," Neuroscience Meeting 2017, Society for Neuroscience, Washington DC. (November 2017).

Chatterji, R. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Role of the protein kinase G in the behavioral plasticity induced by aversive stimuli in the marine

invertebrate Aplysia," Experimental Biology Meeting 2017, American Physiological Society, Chicago, IL. (April 2017).

Chatterji, R. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Role of the protein kinase G in the behavioral plasticity induced by aversive stimuli in the marine invertebrate Aplysia," Memory Mechanisms in Health and Disease, Zing Conferences CIC, Tampa, FL. (December 2016).

Goldner, A. (Author), Wainwright, M. L. (Author), Mozzachiodi, R. (Author & Presenter), "cGMP induces a decrease in the intrinsic excitability of Aplysia neuron B51 similar to that caused by sensitization training," Neuroscience Meeting 2016, Society for Neuroscience, San Diego, CA. (November 2016).

Khoury, S. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "The contribution of cGMP to the neuronal plasticity induced by aversive stimuli in Aplysia californica," Annual Biomedical Research Conference for Minority Students, American Society for Microbiology, Tampa, FL. (November 11, 2016).

Chatterji, R. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Role of the protein kinase G (PKG) in the behavioral changes induced by aversive stimuli in the marine mollusk Aplysia californica," 13th Annual Pathways Student Research Symposium, Texas A&M University System, Texas A&M University - Prairie View. (November 4, 2016).

Khoury, S. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "The necessity of cGMP in learning-related neuronal plasticity induced by aversive stimuli in the mollusk Aplysia californica," 13th Annual Pathways Student Research Symposium, Texas A&M University System, Texas A&M University - Prairie View. (November 4, 2016).

Khoury, S. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Examining the necessity of cGMP in learning-related neuronal plasticity induced by aversive stimuli in the mollusk Aplysia californica," 2016 UTSA College of Sciences Research Conference, UTSA, San Antonio, TX. (October 7, 2016).

Mozzachiodi, R. (Author & Presenter), "A little help from the ocean: using a marine gastropod to study memory," Texas A&M University – Corpus Christi. (February 23, 2016).

Mozzachiodi, R. (Author & Presenter), "Using a marine organism to study the cellular bases of behavior and memory," Texas A&M University – Corpus Christi. (February 2, 2016).

MacLeod, K. A. (Author), Wainwright, M. L. (Author), Mozzachiodi, R. (Author & Presenter), "Prolonged food deprivation alters the co-expression of sensitization and food suppression induced by aversive stimuli in Aplysia," Neuroscience Meeting 2015, Society for Neuroscience, Chicago, IL. (October 2015).

Farruggella, J. (Author), Acebo, J. A. (Author), Wainwright, M. L. (Author), Mozzachiodi, R. (Author & Presenter), "Role of the nitric oxide signaling cascade in the induction of the behavioral changes produced by aversive stimuli in Aplysia," Neuroscience Meeting 2015, Society for Neuroscience, Chicago, IL. (October 2015).

Lloyd, L. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Role of the nitric-oxide pathway in the cellular changes produced by noxious stimuli in the marine mollusk Aplysia californica," 12th Annual Pathways Student Research Symposium, Texas A&M University System, Texas A&M University - Corpus Christi. (October 23, 2015).

Mozzachiodi, R. (Author & Presenter), "What a simple brain can teach us about learning and memory," Medical Application of Cold Plasma Conference, Texas A&M University - Corpus Christi, Texas A&M University – Corpus Christi. (April 1, 2015).

Mozzachiodi, R. (Author & Presenter), "What the brain of a snail can teach us about learning and memory," South Texas Chapter of Sigma X, Texas A&M University – Corpus Christi. (February 12, 2015).

Wolfe, K. D. (Author & Presenter), Wainwright, M. L. (Author), Smee, D. L. (Author), Mozzachiodi, R. (Author), "Single exposure to natural noxious stimuli produces short-term suppression of feeding in *Aplysia*," Neuroscience Meeting 2014, Society for Neuroscience, Washington DC. (November 2014).

Wolfe, K. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), Smee, D. L. (Author), "Forget that threat! Single exposure to natural noxious stimuli produces short-term but not long-term suppression of feeding in *Aplysia californica*," Benthic Ecology Meeting 2014, Jacksonville, FL. (March 2014).

Wolfe, K. (Author), Wallace, B. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), Smee, D. L. (Author), "Suppression of feeding behavior in *Aplysia californica* following exposure to alarm cues," Ocean Sciences Meeting 2014, Honolulu, Hawaii. (February 2014).

Mozzachiodi, R. (Author & Presenter), "What a simple brain can teach us about memory," Animal Science Club, Texas A&M University – Corpus Christi. (February 13, 2014).

Wolfe, K., Mozzachiodi, R., Smee, D. L., "Behavioral responses of *Aplysia californica* to natural noxious stimuli," Benthic Ecology Meeting, Savannah, GA. (2013).

Weisz, H. A. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "A novel in vitro analog co-expressing cellular correlates of sensitization and suppression of feeding in *Aplysia*," Neuroscience Meeting 2013, Society for Neuroscience, San Diego, CA. (November 2013).

Hernandez, J. S. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Long-term sensitization training in *Aplysia* decreases the excitability of a decision-making neuron critical for feeding through a sodium-dependent mechanism," Neuroscience Meeting 2013, Society for Neuroscience, San Diego, CA. (November 2013).

Weisz, H. A. (Author & Presenter), Mozzachiodi, R., Wainwright, M. L. (Author), "Development of an in vitro analog concomitantly expressing the cellular correlates of sensitization and suppression of feeding in *Aplysia californica*," Experimental Biology Meeting 2013, American Physiological Society, Boston, MA. (April 2013).

Odem, M. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "In vitro analysis of the feeding neural circuit in *Aplysia* after long-term sensitization training," Experimental Biology Meeting 2013, American Physiological Society, Boston, MA. (April 2013).

Cammarata, K., Mozzachiodi, R., "USDA-PROMPT: Agriculture-related careers and research opportunities at TAMU-CC," Houston Community College. (2012).

Dickinson, K. J. (Author), Wainwright, M. L. (Author), Mozzachiodi, R. (Author & Presenter), "Food satiation decreases the excitability of decision-making neuron B51 in *Aplysia*," Neuroscience Meeting 2012, Society for Neuroscience, New Orleans, LA. (October 2012).

Mozzachiodi, R. (Author & Presenter), Wainwright, M. L. (Author), "Using the marine mollusk *Aplysia* to teach principles of neurophysiology and neurotoxicology to undergraduates at a

Hispanic-Serving Institution., "Neuroscience Meeting 2012, Society for Neuroscience, New Orleans, LA. (October 2012).

Mozzachiodi, R. (Author & Presenter), "Consequences of aversive experience in Aplysia: plasticity beyond defensive neural circuits," Simpler Nervous Systems Conference, International Society for Invertebrate Neurobiology, Moscow, Russia. (September 2012).

Cammarata, K., Mozzachiodi, R., Durnovo, M., "PROMPT: Promoting Research Opportunities for Minorities in Texas," USDA-HSI Annual Project Director's Meeting, Edinburg, TX. (June 2012).

Mozzachiodi, R. (Author & Presenter), "Neurophysiological effects of aversive stimuli in Aplysia: plasticity beyond defensive neural circuits," Molluscan Neuroscience in the Genomic Era: from Gastropods to Cephalopods, Society for Molluscan Neuroscience, Scripps Research Institute, Jupiter, FL. (May 2012).

Mozzachiodi, R. (Author & Presenter), "PROMPT: Providing Research Opportunities for Minority Populations in Texas," STEM Symposium, Houston Community College Southeast, Houston, TX. (April 13, 2012).

Mozzachiodi, R. (Author & Presenter), "Experience-induced plasticity of a decision-making neuron: lessons from Aplysia," School of Life Sciences, University of Sussex, Brighton, UK. (March 12, 2012).

Mozzachiodi, R. (Author & Presenter), "What we can learn about memory from a simple brain," College of Science and Engineering Lecture Series, Texas A&M University - Corpus Christi, Corpus Christi, TX. (March 2, 2012).

Cammarata, K., Mozzachiodi, R., "USDA-PROMPT: Agriculture-related careers and research opportunities at TAMU-CC," Houston Community College. (2011).

Hernandez, J. S. (Author & Presenter), Torno, C. (Author & Presenter), Adams, K. M. (Author), Shields-Johnson, M. (Author), Wainwright, M. L., Mozzachiodi, R., "Suppression of feeding induced by long-term sensitization training in Aplysia: temporal dynamics and role of serotonin," Neuroscience Meeting 2011, Society for Neuroscience, Washington, DC. (November 2011).

Torno, C. (Author & Presenter), Shields-Johnson, M. (Author), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "The changes in defensive and non-defensive behaviors produced by long-term sensitization training share common temporal dynamics in the marine mollusk *Aplysia californica*," 11th Annual Undergraduate Symposium, Sigma Xi, Texas A&M University - Corpus Christi. (October 8, 2011).

Lapointe, M. (Author & Presenter), Powell, O. (Author & Presenter), Voight, H. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Using the marine mollusk *Aplysia californica* to assess the neurotoxicological effects of lead," 11th Annual Undergraduate Symposium, Sigma Xi, Texas A&M University - Corpus Christi. (October 8, 2011).

Mozzachiodi, R. (Author & Presenter), Acheompong, A. (Author), Kelly, K. (Author), Shields-Johnson, M. (Author), Wainwright, M. L. (Author), "Rapid and persistent suppression of feeding behavior induced by one-trial sensitization training in Aplysia," Neuroscience Meeting 2010, Society for Neuroscience, San Diego, CA. (November 2010).

Hernandez, J. S. (Author & Presenter), Adams, K. M. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Exogenous serotonin does not mimic the suppression of feeding induced by sensitization training in *Aplysia californica*," Sigma Xi Annual Meeting and International Research Conference, Sigma Xi, Raleigh, North Carolina. (November 2010).

Torno, C. (Author & Presenter), Shields-Johnson, M. (Author), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Time course analysis of the suppression of feeding induced by long-term sensitization training in the marine mollusk *Aplysia californica*," SACNAS National Conference, SACNAS, Anaheim, CA. (October 2010).

Mozzachiodi, R. (Presenter), "What we can learn about memory from a simple brain," Department of Pharmaceutical Sciences, Rangel School of Pharmacy, Texas A&M University – Kingsville, Kingsville, TX. (October 21, 2010).

Torno, C. (Author & Presenter), Shields-Johnson, M. (Author), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Time course analysis of the suppression of feeding induced by long-term sensitization training in the marine mollusk *Aplysia californica*," Summer Undergraduate Research Focus Symposium, National Science Foundation, Texas A&M University - Corpus Christi. (July 2010).

Dickinson, K. J. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Food satiation produces a long-term suppression of the consummatory phase of feeding behavior in *Aplysia*," 2009 FUN Poster Session and Social, Faculty for Undergraduate Neuroscience, Chicago, IL. (November 2009).

Dickinson, K. J. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Food satiation produces a long-term suppression of the consummatory phase of feeding behavior in *Aplysia*," Neuroscience Meeting 2009, Society for Neuroscience, Chicago, IL. (November 2009).

Shields-Johnson, M. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Long-term sensitization training induces suppression of biting behavior in *Aplysia*," Neuroscience Meeting 2009, Society for Neuroscience, Chicago, IL. (November 2009).

Adams, K. M. (Author & Presenter), Hernandez, J. S. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Using emetine to characterize the relationship between the behavioral changes associated with long-term sensitization in *Aplysia californica*," Sigma Xi Annual Meeting and International Research Conference, Sigma Xi, The Woodlands, TX. (November 2009).

Hernandez, J. S. (Author & Presenter), Adams, K. M. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "The use of emetine as a pharmacological tool to examine the behavioral changes associated with long-term sensitization in *Aplysia californica*," Ninth Annual Undergraduate Research Symposium, Sigma Xi, Texas A&M University - Corpus Christi. (October 10, 2009).

Kelly, K. (Author & Presenter), Acheampong, A. (Author), Shields-Johnson, M. (Author), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Analysis of the Effects of Serotonin on Feeding Behavior in *Aplysia californica*," Summer Undergraduate Research Focus Symposium, National Science Foundation, Texas A&M University - Corpus Christi. (July 30, 2009).

Acheampong, A. (Author & Presenter), Kelly, K. (Author & Presenter), Shields-Johnson, M. (Author), Wainwright, M. L. (Author), Mozzachiodi, R., "One-trial sensitization training produces intermediate-term, but not long-term suppression of feeding behavior in *Aplysia californica*," Summer Undergraduate Research Focus Symposium, National Science Foundation, Texas A&M University - Corpus Christi. (July 30, 2009).

Shields-Johnson, M. (Author & Presenter), Wainwright, M. L. (Author), Mozzachiodi, R. (Author), "Effects of long-term sensitization on biting behavior in *Aplysia californica*," National Student Research Forum, University of Texas Medical Branch, Galveston, TX. (April 2009).

Mozzachiodi, R. (Author & Presenter), Baxter, D. A. (Author), Byrne, J. H. (Author), "Changes in neuronal excitability serve as a mechanism of long-term memory storage for operant conditioning," Molluscan Neuroscience Meeting: Recent Advances and new Vistas, University of Puerto Rico Institute of Neurobiology, Old San Juan, Puerto Rico. (February 2009).

Contracts, Grants and Sponsored Research

Grant

Mozzachiodi, Riccardo (Principal), "Analysis of the effects of aversive experience on non-defensive behaviors and underlying neural circuits," Sponsored by National Institute of Health, Federal, \$225,340.00. (September 1, 2014 - May 31, 2017).

cammarata, kirk, Mozzachiodi, Riccardo, "University Betterment Grant to Upgrade Cell/Molecular Biology Laboratory," Sponsored by TAMU-CC SOAR Betterment Program, \$22,000.00. (2015 - 2016).

Mozzachiodi, Riccardo (Principal), "Texas Research Development Fund re-submission incentive," Sponsored by Texas Research Development Funds, Texas A&M University-Corpus Christi, \$2,500.00. (September 1, 2014 - August 31, 2015).

Mozzachiodi, Riccardo, "Acquisition of an in vivo technique to measure neural circuit activity in freely behaving animals," Sponsored by Research Enhancement from University, Texas A&M University-Corpus Christi, \$2,016.00. (September 1, 2013 - August 31, 2014).

Mozzachiodi, Riccardo, "Effects of food deprivation on behavioral budgeting in the mollusk *Aplysia californica*," Sponsored by Research Enhancement from College of Science and Engineering, Texas A&M University-Corpus Christi, \$2,984.00. (September 1, 2013 - August 31, 2014).

Mozzachiodi, Riccardo (Principal), "Behavioral, circuit and single-cell analyses of the effects of aversive experience on non-defensive behaviors," Sponsored by NSF-IOS, Federal, \$173,973.00. (September 1, 2011 - August 31, 2014).

Mozzachiodi, Riccardo (Principal), Cammarata, Kirk (Co-Principal), Durnovo, Maya (Co-Principal), "PROMPT, Providing Research Opportunities for Minority Populations in Texas," Sponsored by USDA, Federal, \$245,000.00. (September 1, 2010 - August 31, 2014).

Mozzachiodi, Riccardo (Principal), Smees, Delbert Lee (Co-Principal), Wainwright, Marcy L (Co-Principal), "Effects of sub-lethal attack of *Panulirus interruptus* on feeding behavior in *Aplysia californica*," Sponsored by Texas Research Development Funds, Texas A&M University-Corpus Christi, \$24,907.00. (June 25, 2012 - June 25, 2013).

Mozzachiodi, Riccardo (Principal), Wainwright, Marcy L (Co-Principal), "Mechanistic analysis of the effects of long-term sensitization training on the feeding neural circuit of *Aplysia californica*," Sponsored by Texas Research Development Funds, Texas A&M University-Corpus Christi. (September 1, 2010 - August 31, 2011).

Mozzachiodi, Riccardo, "Role of protein synthesis in the suppression of feeding induced by noxious stimuli in *Aplysia*," Sponsored by College of Science and Technology, Texas A&M University-Corpus Christi. (September 1, 2010 - August 31, 2011).

Mozzachiodi, Riccardo (Co-Principal), Chopin, Suzette (Principal), "Cellular analysis of decision making in *Aplysia californica*," Sponsored by National Institute of Health, Federal. (July 1, 2010 - June 30, 2011).

Mozzachiodi, Riccardo (Principal), Wainwright, Marcy L (Co-Principal), "Characterization of the long-term suppression of feeding behavior produced by aversive stimuli in the marine mollusk *Aplysia californica*." Sponsored by Texas Research Development Fund, Texas A&M University-Corpus Christi. (September 1, 2009 - August 31, 2010).

Mozzachiodi, Riccardo (Co-Principal), Chopin, Suzzette (Principal), "Effects of aversive learning on the expression of appetitive behaviors in *Aplysia*." Sponsored by NIH, Federal. (July 1, 2008 - September 30, 2009).

Mozzachiodi, Riccardo (Principal), "Cellular analysis of the suppression of feeding induced by aversive stimuli in *Aplysia californica*." Sponsored by Texas Research Development Fund, Texas A&M University-Corpus Christi. (March 1, 2008 - August 31, 2009).

Scholarly and Creative Awards and Honors

Research and Scholarly Activity, TAMU-CC. (2014).

SERVICE

Department

TAMU-CC Graduate fair. (2009 - Present).

Island Days. (2007 - Present).

Committee Member, Search Committee for new LSCI Chair. (September 2015 - February 2016).

Attendee, Meeting, 8th Annual MARB retreat. (January 2016).

TAMU-CC Day at the State Capitol, Austin. (February 2015).

Organizer - Research Day at TAMU-CC. (2012 - 2013).

Organizer - USDA Day at TAMU-CC. (2012 - 2013).

Attendee, Meeting, 5th Annual MARB retreat. (December 2012).

Committee Member, LSCI Undergraduate Committee. (January 2009 - August 2012).

LSCI Committee to design Master's Degree in Biomedical Sciences. (March 2008 - December 2008).

College

Committee Member, Search Committee for Marine Biomedical Position. (September 2016 - Present).

Committee Member, Health Professions Advising Committee (HPAC). (September 2014 - Present).

Committee Member, Search Committee for staff position of Purchasing Specialist. (April 2016 - June 2016).

Attendee, Meeting, 3rd Annual Science Innovation Panel hosted by TAMU-CC Chemistry Club. (April 2015).

Committee Member, Graduate Recruitment and Advisory Committee (GRAC) of the Marine Biology Graduate Program. (September 2011 - August 2014).

Attendee, Meeting, 2nd Annual Science Innovation Panel hosted by TAMU-CC Chemistry Club. (April 2014).

Committee Member, Search Committee for Molecular Marine Biology Position. (August 2011 - March 2012).

Committee Member, Search Committee for Physiology Position. (September 2010 - April 2011).

Committee Member, Search Committee for Marine Biology Position. (January 2010 - April 2010).

Committee Member, Search Committee for Organic Chemistry Position. (January 2010 - April 2010).

Committee Member, Search Committee for Anatomy & Physiology Instructor. (January 2009 - May 2009).
Committee Member, Science And Technology Steering Committee. (March 2008 - October 2008).

University

Committee Member, Council of Principal Investigators , Executive Committee. (September 2013 - Present).
Committee Member, Council of Principal Investigators. (September 2013 - Present).
Committee Chair, Council of Principal Investigators. (September 2014 - August 2015).
Committee Chair, Institutional Animal Care and Use Committee. (September 2013 - August 2015).
Committee Chair, Safety and Display Committee, Coastal Bend Science Fair. (November 2011 - August 2015).
Committee Member, Institutional Animal Care and Use Committee. (July 2010 - August 2015).
invited member of the panel organized by Faculty Senate, New Faculty Orientation Panel. (August 2015).
Vice Chair and Chair Elected, Council of Principal Investigators. (September 2013 - August 2014).
invited member of the panel organized by Faculty Senate, New Faculty Orientation Panel. (August 2014).
Committee Member, Academic Standards Grievance Committee. (September 2009 - August 2012).
Committee Chair, Academic Standards Grievance Committee. (2010).
Committee Member, Faculty Renaissance Center Committee. (September 2009 - September 2010).
Faculty Advisor, New Student Orientation Program. (June 2010 - August 2010).
Faculty Advisor, New Student Orientation Program. (June 2009 - August 2009).

Professional

Reviewer, Journal Article, Journal of Neuroscience. (July 2014 - Present).
Reviewer, Journal Article, Neurochemistry International. (July 2014 - Present).
Reviewer, Journal Article, Pharmacology, Biochemistry and Behavior. (January 2014 - Present).
Reviewer, Grant Proposal, US - Israel Binational Science Foundation. (December 2013 - Present).
Reviewer, Grant Proposal, National Science Foundation. (October 2013 - Present).
Reviewer, Journal Article, Neuroscience. (June 2013 - Present).
Reviewer, Journal Article, Behavioral Brain Research. (April 2013 - Present).
Editor, Journal Editor, PLoS One. (March 2013 - Present).
Reviewer, Journal Article, PLoS One. (March 2013 - Present).
Reviewer, Journal Article, Biology Open. (February 2013 - Present).
Reviewer, Journal Article, Animals. (January 2013 - Present).
Reviewer, Grant Proposal, Israel Science Foundation. (December 2012 - Present).
Reviewer, Grant Proposal, Biotechnology and Biological Sciences Research Council. (November 2012 - Present).
Reviewer, Journal Article, Current Biology. (November 2012 - Present).
Reviewer, Journal Article, Neurobiology of Learning and Memory. (November 2012 - Present).
Reviewer, Grant Proposal, Medical Research Council. (September 2012 - Present).
Reviewer, Journal Article, Frontiers in Physiology. (2012 - Present).
Reviewer, Journal Article, Animal Cognition. (2011 - Present).
Reviewer, Journal Article, Frontiers in Neuroscience. (2011 - Present).
Reviewer, Journal Article, Journal of Comparative Physiology. (2010 - Present).
Member, Neuroscientist-Teacher Partner Program. (September 2008 - Present).

Reviewer, Journal Article, Learning and Memory. (2005 - Present).
Officer, President/Elect/Past, Sigma Xi, South Texas Chapter. (July 2010 - June 2011).

Public

Member, Neuroscientist-Teacher Partner Program, sponsored by Society for Neuroscience. (2008 - Present).
faculty hosting tour of neuroscience research lab, Lab tours for 60 students (7th grade) from the Flour Bluff Independent School District. (October 2016).
faculty hosting tour of neuroscience research lab, Lab tours for 70 students (7th grade) from the Flour Bluff Independent School District. (April 2016).
faculty hosting tour of neuroscience research lab, Lab tours for 70 students (7th grade) from the Flour Bluff Independent School District. (October 2015).
faculty hosting tour of neuroscience research lab, Lab tours for 67 students (7th grade) from the Flour Bluff Independent School District. (March 2015).
faculty hosting tour of neuroscience research lab, Lab tours for 43 students and 3 teachers from the Tuloso-Midway Middle School. (February 2015).
faculty hosting tour of neuroscience research lab, Lab tours for 61 students (7th grade) from the Flour Bluff Independent School District. (October 2014).
faculty hosting tour of neuroscience research lab, Lab tours for 45 students (7th grade) from the Flour Bluff Independent School District. (March 2014).
Guest Speaker, Annual Future Health Professionals Conference. (2009 - 2013).
Tour coordinator, Lab tours for 30 Upward Bound Math and Science students (11th and 12th grade) from the San Antonio Chapter of the League of United Latin American Citizens (LULAC). (June 2013).
Tour coordinator, Lab tours for students of Oak Park Elementary School. (July 2012).
Judge, School of Science & Technology Science and Engineering Fair. (2010 - 2011).
Tour coordinator, Lab tours for students of Smith Elementary School. (November 2011).
Tour coordinator, Lab tours for Texas high-school students. (June 2011).
Tour coordinator, Lab tours for students of Smith Elementary School. (May 2011).
Judge, Coastal Bend Science Fair. (2008 - 2010).

Service Awards and Honors

Faculty Service Award, TAMU-CC College of Education. (2015).
Institutional Capacity Building Scholarship, Public Responsibility in Medicine and Research (PRIM&R). (2014).