

FICHA ACADÉMICA

Nombre del académico	CRISTIAN ANTONIO VARGAS GÁLVEZ							
Carácter del vínculo	Claustro							
Título profesional; Institución; País	Biólogo Marino, Universidad Austral de Chile, Chile							
Grado académico máximo; Institución; Año de graduación y País	Dr. en Oceanografía, 2002, Universidad de Concepción, Chile.							
Línea(s) de investigación del programa	Cambio Global, Sociedad y Agua							
Tesis de <u>magíster</u> dirigidas en los últimos 10 años (finalizadas)	Como guía de tesis							
	Año	Autor	Título de la Tesis	Nombre del programa	Institución			
	2018	Rosario Díaz	Efecto de la Acidificación del Océano y concentración de cadmio disuelto en el desarrollo larval de <i>Mytilus chilensis</i> .	Magíster en Ciencias con mención en Oceanografía	Universidad de Concepción, Chile			
	2015	David Opazo	Factors determining the ingestion rates of zooplankton along Chilean coast: A meta-analysis approach.	Magíster en Ciencias con mención en Oceanografía	Universidad de Concepción, Chile			
	Como co-guía de tesis -							
Tesis de <u>doctorado</u> dirigidas en los últimos 10 años (finalizadas)	Como guía de tesis							
	Año	Autor	Título de la Tesis	Nombre del programa	Institución			
	2018	Valeska San Martín	Impacto de estresores múltiples asociados al Cambio Global sobre los sistemas socio-ecológicos de la acuicultura de moluscos en el sur de Chile	Doctorado en Ciencias Ambientales con mención en Sistemas Acuáticos Continentales	Universidad de Concepción, Chile			
	2014	Alejandra Lafón	Carbon and nitrogen stable isotopes as tracer of source and fate of organic matter in Patagonian fjords.	Doctorado en Ciencias Ambientales con mención en Sistemas Acuáticos Continentales	Universidad de Concepción, Chile			
2014	Claudia Pérez	Influence of climate regime and land uses in hydrographic basins of central-southern Chile on the spatial-temporal variability of nutrients and organic/inorganic carbon fluxes to the coastal ocean: Impacts on carbonate system and marine calcifiers	Doctorado en Ciencias Ambientales con mención en Sistemas Acuáticos Continentales	Universidad de Concepción, Chile.				
	Como co-guía de tesis -							
PRODUCTIVIDAD CIENTÍFICA (2011-2020)								
Listado de publicaciones. En caso de publicaciones con más de un autor,	Publicaciones indexadas WoS/ISI							
	N°	Autor(es)	Año	Título del artículo	Nombre revista	Estado	ISSN	Factor de impacto

FICHA ACADÉMICA

<p>indicar en negrita el autor principal.</p>	<p>Ramajo, L.; Osores, S.J.; Lagos, N.A.; Broitman, B.R.; Navarro, J.; Vargas, C.A.; Manríquez, P.H.; Lardies, M.A.</p>	2021	<p>Estuarine conditions more than pH modulate the physiological flexibility of mussel <i>Perumytilus purpuratus</i> populations.</p>	<p>Estuarine, Coastal and Shelf Science</p>	Publicado	0272-7714	2.889
	<p>Jahnsen-Guzmán, N.; Lagos, N.A.; Lardies, M.A.; Vargas, C.A.; Fernandez, C.; San Martín, V.A.; Saavedra, L.; Antonio Cuevas, L.; Quijón, P.A.; Duarte, C.</p>	2021	<p>Environmental refuges increase performance of juvenile mussels <i>Mytilus chilensis</i>: Implications for mussel seedling and farming strategies.</p>	<p>Science of Total Environment</p>	Publicado	0048-9697	5.727
	<p>Saavedra, L.M.; Saldías, G.S.; Broitman, R.R.; Vargas, C.A.</p>	2021	<p>Carbonate chemistry dynamics in shellfish farming areas along the Chilean coast: natural ranges and biological implications.</p>	<p>ICES Journal of Marine Science</p>	Publicado	1054-3139	3.505
	<p>Vargas, C.A.; Cantarero, S.I.; Sepúlveda, J.; Galán, A.; De Pol-Holz, R.; Schneider, W.; Farías, L.; Cornejo D'Ottone, M.; Walker, J.; Xu, X. & Salisbury J.</p>	2021	<p>A source of isotopically light organic carbon in a low-pH anoxic marine zone.</p>	<p>Nature Communications</p>	Publicado	2041-1723	13.610
	<p>Riquelme-Bugueño, R.; Pére-Santos, I.; Alegría, N.; Vargas, C.A.; Urbina, M.A.; Escribano, R. 2020.</p>	2020	<p>Diel vertical migration into anoxic and high-pCO₂ waters: acoustic and net-based krill observations in the Humboldt Current.</p>	<p>Scientific Reports</p>	Publicado	2045-2322	4.52
	<p>Cantarero, S.I.; Henríquez-Castillo, C.; Dildar, N.; Vargas, C.A.; von Dassow, P.; Cornejo-D'Ottone, M.; Sepúlveda, J. 2020.</p>	2020	<p>Size-fractionated contribution of microbial biomass to suspended organic matter in the Eastern tropical South Pacific Oxygen Minimum Zone</p>	<p>Frontiers in Marine Science</p>	Publicado	2296-7745	3.66
	<p>Aguayo, P.; Campos, V.L.; Henríquez, C.; Olivares, F.; De La Iglesia, R.; Ulloa, O.; Vargas, C.A.</p>	2020	<p>The Influence of pCO₂-Driven Ocean Acidification on Open Ocean Bacterial Communities during A Short-Term Microcosm Experiment in the Eastern Tropical South Pacific (ETSP) off Northern Chile. ISI:</p>	<p>Microorganisms</p>	Publicado	2076-2607	4.152
	<p>Vargas, C.A.; Garreaud, R.; Barra, R.; Vásquez-Lavín, F.; Saldías, G.S.; Parra O.</p>	2020	<p>Environmental costs of water transfers</p>	<p>Nature Sustainability</p>	Publicado	2398-9629	12,5
	<p>Osma, N.; Latorre, L.; Jacob, B.; Contreras, P.Y.; Von Dassow, P.; Vargas, C.A.</p>	2020	<p>Response of phytoplankton assemblages from naturally acidic coastal ecosystems to ocean acidification</p>	<p>Frontiers in Marine Science</p>	Publicado	2296-7745	3,086

FICHA ACADÉMICA

	Aguilera, V.M.; Dam, H.; Vargas, C.A.	2020	Antagonistic interplay between pH and food resources affects copepod traits and performance in a year-round upwelling system. <i>Nature Scientific Reports</i> 10, 62	Scientific Reports	Publicado	2045-2322	4,525
	Martin V.AS, Gelcich S, Vásquez Lavín F, Ponce Oliva RD, Hernández JI, Lagos NA, Birchenough SNR, Vargas CA	2019	Linking social preferences and ocean acidification impacts in mussel aquaculture	Scientific Reports	Publicado	2045-2322	4,525
	Yévenes MA, Lagos NA, Farías L, Vargas CA	2019	Greenhouse gases, nutrients and the carbonate system in the Reloncaví Fjord (Northern Chilean Patagonia): Implications on aquaculture of the mussel, <i>Mytilus chilensis</i> , during an episodic volcanic eruption	Science of the Total Environment	Publicado	0048-9697	5,727
	Narváez DA, Vargas CA, Cuevas LA, García-Loyola SA, Lara C, Segura C, Tapia FJ, Broitman BR	2019	Dominant scales of subtidal variability in coastal hydrography of the Northern Chilean Patagonia	Journal of Marine Systems	Publicado	0924-7963	2,838
	Cuevas LA, Tapia FJ, Iriarte JL, González HE, Silva N, Vargas CA	2019	Interplay between freshwater discharge and oceanic waters modulates phytoplankton size-structure in fjords and channel systems of the Chilean Patagonia	Progress in Oceanography	Publicado	0079-6611	4,372
	Ponce Oliva RD, Vasquez-Lavín F, San Martin VA, Hernández JI, Vargas CA, Gonzalez PS, Gelcich S	2019	Ocean Acidification, Consumers' Preferences, and Market Adaptation Strategies in the Mussel Aquaculture Industry	Ecological Economics	Publicado	0921-8009	5,207
	Aguilera VM, Escribano R, Vargas CA, González MT	2019	Upwelling modulation of functional traits of a dominant planktonic grazer during "warm-acid" El Niño 2015 in a year-round upwelling area of Humboldt Current	PLoS ONE	Publicado	1932-6203	3,337
	Duarte C, Navarro JM, Quijón PA, Loncon D, Torres R, Manríquez PH, Lardies MA, Vargas CA, Lagos NA	2018	The energetic physiology of juvenile mussels, <i>Mytilus chilensis</i> (Hupe): The prevalent role of salinity under current and predicted pCO ₂ scenarios	Environmental Pollution	Publicado	0269-7491	6,152
	Díaz R, Lardies MA, Tapia FJ, Tarifeño E, Vargas CA	2018	Transgenerational effects of pCO ₂ driven ocean acidification on adult mussels <i>Mytilus chilensis</i> modulate physiological response to multiple stressors in Larvae	Frontiers in Physiology	Publicado	1664-042X	3,921

FICHA ACADÉMICA

	Saavedra LM , Parra D, Martin VS, Lagos NA, Vargas CA	2018	Local Habitat Influences on Feeding and Respiration of the Intertidal Mussels <i>Perumytilus purpuratus</i> Exposed to Increased pCO ₂ Levels	Estuaries and Coasts	Publicado	1559-2723	2,883
	Vargas CA , Cuevas LA, Silva N, González HE, De Pol-Holz R, Narváez DA	2018	Influence of Glacier Melting and River Discharges on the Nutrient Distribution and DIC Recycling in the Southern Chilean Patagonia	Journal of Geophysical Research: Biogeosciences	Publicado	2169-8953	4,319
	Iriarte JL , Cuevas LA, Cornejo F, Silva N, González HE, Castro L, Montero P, Vargas CA, Daneri G	2018	Low spring primary production and microplankton carbon biomass in Sub-Antarctic Patagonian channels and fjords (50–53°S)	Arctic, Antarctic, and Alpine Research	Publicado	1523-0430	2,125
	Castillo N , Saavedra LM, Vargas CA, Gallardo-Escárate C, Détrée C	2017	Ocean acidification and pathogen exposure modulate the immune response of the edible mussel <i>Mytilus chilensis</i>	Fish and Shellfish Immunology	Publicado	1050-4648	3,550
	Lardies MA , Benitez S, Osoreo S, Lardies MA, Benitez S, Osoreo S, Vargas CA, Duarte C, Lohrmann KB	2017	Physiological and histopathological impacts of increased carbon dioxide and temperature on the scallops <i>Argopecten purpuratus</i> cultured under upwelling influences in northern Chile	Aquaculture	Publicado	0044-8486	3,256
	Benítez S , Duarte C, Opitz T, Lagos NA, Pulgar JM, Vargas CA, Lardies MA	2017	Intertidal pool fish <i>Girella laevis</i> (Kyphosidae) shown strong physiological homeostasis but shy personality: The cost of living in hypercapnic habitats	Marine Pollution Bulletin	Publicado	0025-326X	4,349
	Jacob, BG , von Dassow, P, Salisbury, JE, Navarro, JM, Vargas, CA	2017	Impact of low pH/high pCO ₂ on the physiological response and fatty acid content in diatom <i>Skeletonema pseudocostatum</i>	Journal of the Marine Biological Association of the United Kingdom	Publicado	0025-3154	1,367
	Osoreo, S J A , Lagos, N A, Martin, V S, Manriquez, P H, Vargas, C A, Torres, R, Lardies, M A	2017	Plasticity and inter-population variability in physiological and life-history traits of the mussel <i>Mytilus chilensis</i> : A reciprocal transplant experiment	Journal of Experimental Marine Biology and Ecology	Publicado	0022-0981	2,308
	Broitman, B.R. ; Halpern, B.S.; Gelcich, S.; Lardies, M.A.; Vargas, C.A.; Vásquez-Lavín, F.; Widdicombe, S.; Birchenough, S.N.R.	2017	Dynamic Interactions among Boundaries and the Expansion of Sustainable Aquaculture	Frontiers in Marine Science	Publicado	2296-7745	3,086
	Vargas, CA ; Lagos, NA; Lardies, MA; Duarte, C; Manríquez, PH;	2016	Species-specific response to ocean acidification is a consequence of local	Nature Ecology & Evolution	Publicado	2397-334X	10,969

FICHA ACADÉMICA

	Aguilera, VM; Broitman, B; Widdicombe, S; Dupont S		adaptation and adaptive plasticity				
	Ramajo, L; Marbà, N; Prado, L; Peron, S; Lardies, M; Rodríguez- Navarro, A; Vargas, CA; Lagos, N; Duarte, C	2016	Biominalization changes with food supply confer juvenile scallop (<i>Argopecten purpuratus</i>) resistance to ocean acidification	Global Change Biology	Publicado	1354- 1013	10,171
	Pérez, CA; Lagos, NA; Saldías, GS; Waldbusser, G; Vargas, CA	2016	Riverine discharges impact physiological traits and carbon sources for shell carbonate in the marine intertidal mussel <i>Perumytilius purpuratus</i>	Limnology and Oceanography	Publicado	0024- 3590	4,402
	Vargas, CA; Contreras, PY; Pérez, CA; Sobarzo, M; Saldías, GS; Salisbury, J	2016	Influences of riverine and upwelling waters on the coastal carbonate system off Central Chile, and their ocean acidification implications	Journal of Geophysical Research: Biogeosciences	Publicado	2169- 8953	4,319
	Navarro, JM; Duarte, C; Manríquez, PH; Lardies, MA; Torres, R; Acuña, K; Vargas, CA; Lagos, NA	2016	Ocean warming and elevated carbon dioxide: multiple stressor impacts on juvenile mussels from southern Chile	ICES Journal of Marine Science	Publicado	1054- 3139	3,402
	Lagos, NA; Benítez, S; Duarte, C; Lardies, MA; Broitman, BR; Tapia, C; Tapia, P; Widdicombe, S; Vargas, CA	2016	Effects of temperature and ocean acidification on shell characteristics of <i>Argopecten purpuratus</i> : implications for scallop aquaculture in an upwelling-induced area	Aquaculture Environment Interactions	Publicado	1869- 215X	3,010
	Saldías, GS; Largier, JL; Mendes, R ; Pérez_Santos, I; Vargas, CA; Sobarzo, M	2016	Satellite-measured interannual variability of turbid river plumes off central-southern Chile: Spatial patterns and the influence of climate variability	Progress in Oceanography	Publicado	0079- 6611	4,372
	Aguilera, V; Vargas, CA; Lardies, MA Poupin, MJ	2016	Adaptive variability to low-pH river discharges in <i>Acartia tonsa</i> and stress responses to high pCO ₂ conditions	Marine Ecology	Publicado	0173- 9565	1,661
	González, H.E.; Graeve, M.; Kattner, G.; Silva, N.; Castro, L.; Iriarte, J.L.; Osmán, L.; daneri, G.; Vargas, C.A.	2016	Carbon flow through the pelagic food web in southern Chilean Patagonia: relevance of <i>Euphausia vallentini</i> as a key species	Marine Ecology Progress Series	Publicado	0171- 8630	2,715
	Pérez, CA; DeGrandpre, MD; Lagos, NA; Saldías, GS; Cascales, E-K Vargas, CA	2015	Influence of climate and land use in carbon biogeochemistry in lower reaches of rivers in central southern Chile: Implications for the carbonate system in river-influenced rockyshore environments	Journal of Geophysical Research: Biogeosciences	Publicado	2169- 8953	4,319

FICHA ACADÉMICA

	Vargas, CA; Aguilera, VM; San Martín, V; Manríquez, PH; Navarro, JM; Duarte, C; Torres, R; Lardies, MA Lagos, NA	2015	CO ₂ -Driven Ocean Acidification Disrupts the Filter Feeding Behavior in Chilean Gastropod and Bivalve Species from Different Geographic Localities	Estuaries and Coasts	Publicado	1559-2723	2,883
	Duarte C; Navarro, JM, Acuña, K; Torres, R; Manríquez, PH; Lardies, MA; Vargas, CA; Lagos, NA Aguilera V	2015	Intraspecific variability in the response of the edible mussel <i>Mytilus chilensis</i> (Hupe) to Ocean Acidification	Estuaries and Coasts	Publicado	1559-2723	2,883
	Manríquez, PH; Jara, ME; Mardones, ML; Torres, R; Lagos, NA; Lardies, MA Vargas, CA; Duarte, C Navarro, JM	2014	Effects of ocean acidification on developing and early post hatching larval traits of <i>Concholepas concholepas</i> (loco)	Marine Ecology Progress Series	Publicado	0171-8630	2,715
	Lafón, A; Silva, N; Vargas, CA	2014	Contribution of allochthonous organic carbon across the Serrano River Basin and the adjacent fjord system in Southern Chilean Patagonia: insights from the combined use of stable isotope and fatty acid biomarkers	Progress in Oceanography	Publicado	0079-6611	4,372
	Silva N, Vargas CA	2014	Hypoxia in Chilean Patagonian Fjords	Progress in Oceanography	Publicado	0079-6611	4,372
	Manríquez, PH; Jara, ME; Mardones, ML; Torres, R; Navarro, JM; Lardies, MA; Vargas, CA; Duarte, C; Lagos, NA	2014	Ocean acidification affects predator avoidance behavior but not prey detection in the early ontogeny of a keystone species	Marine Ecology Progress Series	Publicado	0171-8630	2,715
	Lardies MA, Arias MB, Poupin MJ, Manríquez PH, Torres R, Vargas CA, Navarro JM Lagos NA	2014	Differential response to ocean acidification in physiological traits of <i>Concholepas concholepas</i> populations	Journal of Sea Research	Publicado	1385-1101	2,222
	Duarte, CH; Navarro, JM; Torres, R; Acuña, K; Duarte, C; Manríquez, PH; Lardies, M; Lagos, NA; Vargas, CA	2014	Combined effects of temperature and Ocean acidification on the juvenile individuals of the mussel <i>Mytilus chilensis</i>	Journal of Sea Research	Publicado	1385-1101	2,222
	Torres, R.; Manríquez, P.H.; Duarte, C.; Navarro, J.M.; Lagos, N.A.; Vargas, C.A. & Lardies, M.A.	2013	Evaluation of a semi-automatic system for long-term seawater carbonate chemistry manipulation	Revista Chilena de Historia Natural	Publicado	0716-078X	1,143
	González, H.E.; Castro, L.; Daneri, G.; Iriarte,	2013	Land-ocean gradient in haline stratification and its effects on	Progress in Oceanography	Publicado	0079-6611	4,372

FICHA ACADÉMICA

	J.L.; Silva, N.; Tapia, F.; Teca, E.; Vargas, C.A.		plankton dynamics and trophic carbon fluxes in Chilean Patagonian fjords (47° - 50°S)				
	Manríquez, P.H. ; Jara, M.E.; Mardones, L.; Navarro, J.M.; Torres, R.; Lardies, M.A.; Vargas, C.A. Duarte, C.; Widdicombe, S.; Salisbury, J.; Lagos, N.A.	2013	Ocean acidification affects prey-predator interactions but not net prey shell growth	PLoS ONE	Publicado	1932-6203	3,337
	Vargas, C.A. ; De La Hoz, M.; Aguilera, V.; San Martín, V.; Manríquez, P.H.; Navarro, J.M.; Torres, R.; Lardies, M.A.; Lagos, N.	2013	CO ₂ -driven ocean acidification reduces larval feeding efficiency and change food selectivity in the mollusk <i>Concholepas concholepas</i>	Journal of Plankton Research	Publicado	0142-7873	2,590
	Aguilera, V.M. ; Vargas, C.A.; Manríquez, P.H.; Navarro, J.M.; Duarte, C.	2013	Low-pH Freshwater Discharges Drive Spatial and Temporal Variations in Life History Traits of Neritic Copepod <i>Acartia tonsa</i>	Estuaries and Coasts,	Publicado	1559-2723	2,883
	Vargas, C.A. ; Arriagada, N.L.; Sobarzo, M.; Contreras, P.Y.; Saldías, G.	2013	Bacterial production across a river to ocean continuum in Central Chile: Implications for organic carbon cycling	Aquatic Microbial Ecology	Publicado	0948-3055	2,584
	Navarro, J.M. ; Torres, R.; Acuña, K.; Duarte, C.; Manríquez, P.H.; Lardies, M.; Lagos, N.A.; Vargas, C.A.; Aguilera, V.	2013	Impact of medium-term exposure to elevated pCO ₂ levels on the physiological energetics of the mussel <i>Mytilus chilensis</i> .	Chemosphere	Publicado	0045-6535	5,089
	Léniz, B. ; Vargas, C.A.; Ahumada, R.	2012	Characterization and comparison of microphytoplankton biomass in the lower reaches of the Biobío River and the adjacent coastal area off Central Chile during autumn-winter conditions	Latin American Journal of Aquatic Research	Publicado	0718-560X	0,878
	Vargas, C.A. ; Contreras, P.Y.; Iriarte J.L.	2012	Relative importance of phototrophic, heterotrophic, and mixotrophic nanoflagellates in the microbial food web dynamic of a river-influenced coastal upwelling area	Aquatic Microbial Ecology	Publicado	0948-3055	2,584
	Iriarte, J.L. , Vargas, C.A.; Bermúdez, R.; Urrutia, R.E.; Tapia, F.J.	2012	Primary production and plankton carbon biomass in a river-influenced upwelling area off Concepción, Chile	Progress in Oceanography	Publicado	0079-6611	4,372

FICHA ACADÉMICA

	Silva, N.; Vargas, C.A.; Prego, R.	2011	Land-ocean distribution of allochthonous organic matter in the surface sediments of the Chiloé and Aysén interior seas (Chilean Northern Patagonia).	Continental Shelf Research	Publicado	0278-4343	2,494
	González, H.E.; Castro, L.; Daneri, G.; Iriarte, J.L.; Silva, N.; Vargas, C.A.; Giesecke, R.; Sánchez, N.	2011	Seasonal plankton variability in Chilean Patagonia Fjords: carbon flow through the pelagic food web of the Aysen Fjord and plankton dynamics in the Moraleda Channel basin	Continental Shelf Research	Publicado	0278-4343	2,494
	Vargas, C.A.; Martínez, R.A.; San Martín, V.; Aguayo, M.; Silva, N.; Torres, R. 2011.	2011	Allochthonous subsidies of organic matter across a lake-river-fjord landscape in the Chilean Patagonia: Implications for marine plankton food webs	Continental Shelf Research	Publicado	0278-4343	2,494
	Czypionka, T.; Vargas C.A.; Silva, N.; Daneri, G.; González, H.E.; Iriarte, J.L.	2011	Importance of mixotrophic nanoplankton in the fjord region of southern Chile	Continental Shelf Research	Publicado	0278-4343	2,494
Patentes							
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Listado de proyectos de investigación en los últimos 10 años	Título	Fuente de financiamiento	Año de adjudicación	Período de ejecución	Rol en el proyecto		
	Instituto Milenio de Oceanografía Integrativa (IMO)	INICIATIVA MILENIO IC120019	2014	2014-2024	Investigador Asociado		
	Oceanographic and biogeochemical dynamics of carbon dioxide (pCO_2) and oxygen (O_2) in contrasting coastal ecosystems off Chile (DynOAH): Implication of the range and scales of environmental variability for planktonic organisms	FONDECYT Postdoctorado 3190365	2019	2019-2021	Investigador Patrocinante		
	Carbon cycling and physiological traits in phytoplankton functional groups under low pH/low oxygen conditions (carphox)	FONDECYT Regular	2017	2017-2021	Investigador Principal		
	International network for understanding the phenotypic plasticity of mussels upon ocean acidification scenarios (inphoa)	Cooperación Internacional	2018	2018-2020	Director General		
	Interactive effect of ocean acidification and natural low pH/high pCO_2 waters on the nitrogen cycle at the minimum oxygen zone: impact on microbial communities	FONDECYT Postdoctorado	2016	2017-2020	Investigador Patrocinante		
	Centro para el estudio de forzantes múltiples sobre sistemas socio-ecológicos marinos	INICIATIVA MILENIO (MUSELS) Ministerio de Economía, Fomento y Turismo, Proyecto IC120019	2014	2014-2020	Director General		
	Microbial Food Web and Carbon Cycling in Anoxic Marine Zones	AGOURON Institute Grant (USA)	2015	2015-2016	Co-Investigador		

FICHA ACADÉMICA

Esteroides en el sistema costero de la zona centro-sur de Chile: distribución, rol trófico y efectos sobre la biota	FONDECYT Postdoctorado	2014	2014-2017	Investigador Patrocinante
Impacto de estresores múltiples sobre la acuicultura de recursos bentónicos del Golfo de Arauco: importancia relativa de forzantes oceanográficas y antropogénicas	FONDECYT Postdoctorado 3150392	2014	2014-2017	Investigador Patrocinante Luisa Saavedra L.
The combined effect of ocean acidification and corrosive acidified coastal waters for plankton productivity (coa-cap): a comprehensive analysis in contrasting aquatic environments	FONDECYT Regular	2013	2013-2017	Investigador Principal
Núcleo milenio centro para el estudio de forzantes múltiples sobre sistemas socio-ecológicos MUSELS	NÚCLEO MILENIO	2013	2013-2016	Director General
Evaluación y Análisis de Productos antiparasitarios en el Ambiente Marino	Fondo de Investigación Pesquera FIP 2014-42	2014	2014-2015	Co-Investigador
Efectos de la acidificación del océano sobre el fitoplancton en áreas de surgencia costera influenciadas por descargas de ríos.	FONDECYT 3120089 Postdoctorado	2012	2012-2015	Investigador Patrocinante Bárbara Jacob
Developing a quantitative high-resolution temperature reconstruction for the last thousand years in south central Chile using a calibration-in-time approach.	FONDECYT 1120807	2012	2012-2015	Co-Investigador
Bottom Up vs. Top Down Control in Food Webs of Chilean Fjord Ecosystems: Basis for Understanding the Impact of Anthropogenic Stressors.	FONDECYT 3120089 Postdoctorado	2011	2011-2014	Investigador Patrocinante Luis A. Cuevas
Variación geográfica en salinidad y en el sistema de los carbonatos asociados al cambio climático: respuestas en rasgos de historia de vida del zooplancton.	FONDECYT 3110019 Postdoctorado	2010	2010-2013	Investigador Patrocinante Víctor Aguilera
Understanding climate effects of increased temperature and acidification on benthic invertebrates of the Southeastern Pacific Coastal Ecosystems (TOA-SPACE)	FONDECYT Regular 1090624	2009	2009-2012	Co-Investigador
Influences of riverine organic matter and nutrients on the coastal ocean food web and biogeochemistry: Implications under a climate change scenario in Central Chile.	FONDECYT Regular 1095069	2009	2009-2012	Investigador Responsable