

## CURRICULUM VITAE

### PERSONAL INFORMATION

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**Field of Research:** Reproductive biology/Larval development/Marine conservation and management of small scale fisheries

### ACADEMIC POSITIONS

- Assistant Professor. Departamento de Ecología, Facultad de Ciencias Biológicas, Pontificia Universidad Católica de Chile, Santiago, Chile e Investigador FONDAP. 2000-2004.
- Associate Professor. Departamento de Ecología, Facultad de Ciencias Biológicas, Pontificia Universidad Católica de Chile, Santiago, Chile e Investigador FONDAP.2004-1014.
- Assistant Professor. Departamento de Ecología, Facultad de Ciencias Biológicas, Pontificia Universidad Católica de Chile, Santiago, Chile e Investigador FONDAP.2004-1014.
- Director. Marine Biology Undergraduate Program. Facultad de Ciencias Biológicas, Pontificia Universidad Católica de Chile. 2005-2007.
- Director. Biology. Undergraduate Program. Facultad de Ciencias Biológicas, Pontificia Universidad Católica de Chile. 2008-2013.
- Director. Núcleo Milenio Centro de Conservación Marina, Pontificia Universidad Católica de Chile

### Fellowships and Awards

2005-2008. Pew Fellow. Pew Institute for Ocean Sciences. USA.  
2004. Young Fellow. Programa Ciencia de Frontera de la Academia Nacional de Ciencias de Chile.  
1996-1998. Post-doctoral Research Fellowship. Fundación A. von Humboldt. Alemania.

1993-1994. Endowment Fellowship (Special Award), School of Fisheries, University of Washington.  
1991. Encyclopaedia Britannica Scholarship.  
1991. International Peace Scholarship Fund.  
1991. Memorial Van Cleeve Scholarship, School of Fisheries, University of Washington.  
1990. Memorial John Cobb Scholarship, School of Fisheries, University of Washington.  
1990-1992. De Sa Interamerican Scholarship.  
1989-1990. American Association of University Women, International Fellowship.  
1989-1993. Fulbright Fellowship – Ph. D. Program  
1987. Caswell Grave Scholarship, Woods Hole, Massachusetts. Curso de Ecología Marina.

## PUBLICATIONS

1. Carreja, B., **Fernández, M.**, Agusti, S. 2015. Joint additive effects of temperature and UVB radiation on zoea I larvae of the crab *Taliepus dentatus*. Marine Ecology Progress Series (accepted).
2. de Juan, S., Gelich, S., Ospina-Alvarez, A., Perez-Matus, A., **Fernández, M.** 2015. Applying an ecosystem service approach to unravel links between ecosystems and society in the coast of central Chile. Science of the total environment (in press).
3. Pereira, M., Tala, F., **Fernández, M.**, Subida, M. 2015. Effects of kelp phenolic compounds on the feeding-associated mobility of the herbivore snail *Tegula tridentate*. Marine Environmental Research (in press).
4. Steckbauer, A., Ramajo, L., Hendriks, I., **Fernández, M.** Lagos, N. Prado, L., Duarte, C. 2015. Synergistic effects of hypoxia and increasing CO<sub>2</sub> on benthic invertebrates of the central Chilean coast. Frontiers in Marine Science (in press).
5. Gelchich, S., Peralta, Leonardo, Donlan, J., Godoy, N., Ortiz, V. Tapia-Lewin, S., Vargas, C., Keim, A., Castilla, J.C., **Fernández, M.** 2015. Alternative strategies for scaling up marine coastal biodiversity conservation in Chile. Maritime studies 14(5): 1-13
6. Briones, C., M. Rivadeneira, **M. Fernández**, & R. Guíñez. 2014. Geographical variation of shell thickness in the mussel *Perumytilus purpuratus* along the Southeastern Pacific Coast. Biological Bulletin 227: 221-231.
7. **Fernández, M.** & S. Hormazábal. 2014. Overview of recent advances in oceanographic, ecological and fisheries research on oceanic islands in the southeastern Pacific Ocean. Latin American Journal of Aquatic Research, 42[4]: 666 – 672.
8. Castilla, J.C., E. Yáñez, C. Silva & **M. Fernández**. 2014. A review and analysis of Easter Island's traditional and artisan fisheries. Latin American Journal of Aquatic Research, 42[4]: 690 – 702.
9. **Fernández, M.**, P. Pappalardo, M. C. Rodríguez-Ruíz & J.C. Castilla. 2014. Synthesis of the state of knowledge about species richness of macroalgae, macroinvertebrates and fishes in coastal and oceanic waters of Easter and Salas y Gómez islands. Latin American Journal of Aquatic Research, 42[4]: 760 – 802.
10. Rodríguez-Ruiz, M., M. Andreu-Cazenave, C.S. Ruz, C. Ruano-Chamorro, F. Ramírez, C. González, S. A. Carrasco, A. Pérez-Matus & **M. Fernández**. 2014.

- Initial assessment of coastal benthic communities in the Marine Parks at Robinson Crusoe Island. *Latin American Journal of Aquatic Research*, 42[4]: 918 - 936
11. Agustí, S. Llabres, M., B. Carrejas, **M. Fernández** & C. Duarte. 2014. Contrasting sensitivity of marine biota to UV-B radiation between Southern and Northern hemispheres". *Estuaries and Coasts*. DOI 10.1007/s12237-014-9790-9
  12. Pappalardo, P. **M. Fernández** & E. Rodriguez-Serrano. 2014. Correlated evolution between mode of larval development and habitat in muricid gastropods. *PLOS ONE* 9(4) e94194: 1-11.
  13. Manzur, T., F. Vidal, F. Pantoja, **M. Fernández** & S. Navarrete. 2014. Behavioral and physiological responses of limpet prey to a seastar predator and their transmission to basal trophic levels. *J. Of Animal Ecology* 83: 923–933.
  14. Pappalardo, P. & **M. Fernández**. 2014. Mode of larval development as a key factor to explain contrasting effects of temperature on species richness across oceans. *Journal of Biogeography*, 23:12-23.
  15. Gelcich, S., Amar, F., Valdebenito, A., Castilla, JC., **Fernández, M.**, Godoy, C. & D. Biggs. 2013. Financing marine protected areas through visitor fees: Insights from tourists willingness to pay in Chile. *AMBIO A Journal of the Human Environment*. *AMBIO*, 42:975-984. DOI 10.1007/s13280-013-0453-z.
  16. Wood, C., Micheli, F., **Fernández, M.**, Gelcich, S., Castilla, JC. & J. Carvajal. 2013. Marine protected areas facilitate parasite populations among four fished host species of central Chile. *Journal of Animal Ecology*, 82: 1276-1287. DOI: 10.1111/1365-2656.12104.
  17. Brante, A., **Fernández, M.** & F. Viard. 2013. Non-random sibling cannibalism in the marine gastropod *Crepidula coquimbensis*. *PLOS ONE*, 8(6): e67050 DOI 10.1371/journal.pone.0067050.
  18. Navarte M, González RA, Storero L & **Fernández M.** 2013. Effects of competition and egg predation on shelter use by *Octopus tehuelchus* females. *Marine Ecology Progress Series*, 482:141-151. DOI: 10.3354/meps10237.
  19. Llabrés, M., Agustí, S., **Fernández, M.**, Canepa, A., Maurin, F., Vidal, F. & C. Duarte. 2013. Impact of elevated UVB radiation on marine biota: a meta-analysis. *Global Ecology and Biogeography*, 22:131-144 DOI/10.1111/j.1466-8238.2012.00784.x.
  20. Gelcich, S., **Fernández, M.**, Godoy, N., Canepa, A., Prado, L. & JC. Castilla. 2012. Territorial user rights for fisheries as ancillary instruments for marine coastal conservation in Chile. *Conservation Biology*, 26(6):1005-1015.
  21. Brante, A., **Fernández, M.** & F. Viard. 2012. Phylogeography and biogeography concordance in the marine gastropod *Crepidipatella dilatata* along the South Eastern Pacific coast. *Journal of Heredity*, 103(5):630-7.
  22. Cumplido, M., Pappalardo, P., **Fernández, M.** Averbuj, A., Bigatti, G. 2011. Embryonic development, feeding and intracapsular oxygen availability in *Trophon gervasianus* (Gastropoda: Muricidae). *Journal of Molluscan Studies*, 77:429-436.
  23. Storch, D., **Fernández, M.**, Navarrete, S. & H-O Pörtner. 2011. Thermal tolerance of larval stages of the Chilean kelp crab *Taliepus dentatus*. *Marine Ecology Progress Series*, 429:157-167.
  24. Brante, A., **Fernández, M** & F. Viard. 2011. Microsatellite evidence for sperm storage and multiple paternity in the marine gastropod *Crepidula coquimbensis*. *Journal of Experimental Marine Biology and Ecology*, 396:83-88.

25. Gelcich, S., Hughes, T., Olsson, P., Folke, C., Defeo, O., **Fernández, M.**, Foale, S., Gunderson, L., Rodriguez-Sickert, C., Scheffer, M., Steneck, R. & J.C. Castilla. 2010. Navigating transformations in governance of Chilean marine coastal resources. *Proceedings of the National Academy of Sciences*, 107:16794-16799.
26. **Fernández, M.**, Astorga, A., Navarrete, S., Valdovino, C. & P. Marquet. 2009. Deconstructing latitudinal diversity patterns in the ocean: does larval development hold the clue? *Ecology Letters*, 12:601-611.
27. Brante, A., **Fernández, M.** & F. Viard. 2009. Limiting factors to encapsulation: the combined effects of dissolved protein and oxygen availability on embryonic growth and survival of species with contrasting feeding strategies. *Journal of Experimental Biology*, 212:2287-2295.
28. Storch, D., Santelices, P., Barría, J., Cabeza, K., Pörtner, H.O. & **M. Fernández**. 2009. Thermal tolerance of crustacean larvae (zoea I) in two different populations of the kelp crab *Taliepus dentatus*. *Journal of Experimental Biology*, 212:1371-1376.
29. Tognelli, M., **Fernández, M.** & P. Marquet. 2009. Assessing the performance of the existing and proposed network of marine protected areas to preserve marine biodiversity in Chile. *Biological Conservation*, 142:3147-3153.
30. Brante, A., **Fernández, M.** & F. Viard. 2008. The effect of oxygen conditions on intracapsular development in two calyptraeid species exhibiting different modes of larval development. *Marine Ecology Progress Series*, 368:197-207.
31. Lee, M.R., Castilla, J.C. **Fernández, M.**, Clarke, M., González, C., Hermosilla, C., Prado, L., Rozbaczylo, N. & C. Valdovinos. 2008. Free-living benthic marine invertebrates in Chile. *Revista Chilena de Historia Natural*, 81:51-67.
32. **Fernández, M.**, Calderón, R., Cancino, J. & K. Jenó. 2007. The effect of temperature on the development of encapsulated embryos of *Concholepas concholepas* along a latitudinal cline. *Marine Ecology Progress Series*, 348:229-237.
33. Thiel, M., Macaya, E.C., Acuña, E., Arntz, W.E., Bastias, H., Brokordt, K., Camus, P.A., Castilla, J.C., Castro, L.R., Cortés, M., Dumont, C.P., Escribano, R., **Fernández, M.**, Gajardo, J.A., Gaymer, C.F., Gómez, I., González, A.E., González, H.E., Haye, P.A., Illanes, J.E., Iriarte, J.L., Lancellotti, D.A., Luna-Jorquera, G., Luxoro, C., Manríquez, P.A., Marín, V., Muñoz, P., Navarrete, S.A., Pérez, E., Poulin, E., Sellanes, J., Sepúlveda, H.H., Stotz, W., Tala, F., Thomas, A., Vargas, C.A., Vásquez, J.A. & A. Veja. 2007. The Humboldt Current System of Northern-Central Chile: Oceanographic Processes, Ecological Interactions and Socioeconomic Feedback. *Oceanography and Marine Biology: An Annual Review*, 45: 195-344.
34. Daguin, C., Brante, A., **Fernández, M.** & F. Viard. 2007. Isolation of ten microsatellite markers in the gastropod *Crepidula coquimbensis* (Gastropod, Calyptraeidae) for parentage analyses. *Molecular Biology*, 7:1091-1093.
35. **Fernández, M.**, Calderón, R., Cifuentes, M. & P. Pappalardo. 2006. Brooding at small body size: brooding behaviour and costs in brachyuran crabs. *Marine Ecology Progress Series*, 309:213-220.
36. **Fernández, M.**, Pappalardo P. & K. Jenó. 2006. The effects of temperature and oxygen availability in intracapsular development in *Acanthina monodon*. *Revista Chilena de Historia Natural*, 79:155-167.

37. Narvarte, M., González, R. & **M. Fernández**. 2006. Comparison of *Tehuelche octopus* (*Octopus tehuelchus*) abundance between an open-access fishing ground and a marine protected area: evidence from a direct development species. Fisheries Research, 79:112-119.
38. Brokordt, K.B., **Fernández M.**, Gaymer C.F. 2006. Domestication reduces the capacity to escape from predators. J. Exp. Mar. Biol. Ecol, 329:11-19.
39. **Fernández M.** & J.C.Castilla. 2005. Marine conservation in Chile: historical perspective, lessons and the future. Conservation Biology, 19:1752-1762
40. Rivadeneira M. & **M. Fernández**. 2004. Shifts in southern endpoints of distribution in rocky intertidal species along the Southeastern Pacific coast. Journal of Biogeography, 32:203-209
41. Brante, A., Cifuentes, C., Pörtner, H.O., Arntz, W. & **M. Fernández**. 2004. Latitudinal comparisons of reproductive traits in five Brachyuran species along the Chilean coast. Revista Chilena de Historia Natural, 77:15-27
42. **Fernández, M.** & A. Brante. 2003. Brood care in Brachyuran crabs: the effect of oxygen provision on reproductive costs. Revista Chilena de Historia Natural, 76:157-168
43. Brante, A. **Fernández, M.**, Eckerle, L., Mark, F., Pörtner, H.O. & W. Arntz. 2003. Reproductive investment in the crab *Cancer setosus* along a latitudinal cline: egg production, embryo losses and embryo ventilation. Marine Ecology Progress Series 521: 221-232
44. Astorga, A., **Fernández, M.**, Lagos, N. & E. Boschi. 2003. Two oceans, two taxa and one mode of development: latitudinal diversity patterns of South American crabs and test for causal processes. Ecology Letters, 6:420-427
45. **Fernández, M.**, Ruiz-Tagle, N., Cifuentes, S., Pörtner H.O. & W. Arntz. 2003. Oxygen-dependent asynchrony of embryonic development in embryo masses of Brachyuran crabs. Marine Biology 142: 559-565.
46. Rivadeneira, M., **Fernández, M.** & S. Navarrete. 2002. Latitudinal trends of species diversity in rocky intertidal herbivore assemblages: spatial-scale and the relationship between local and regional species richness. Marine Ecology Progress Series, 245:123-131
47. **Fernández, M.**, Pardo, L.M. & A. Baeza. 2002. Patterns of oxygen supply in embryo masses of Brachyuran crabs throughout development: the effect of oxygen availability and chemical clues in determining female behavior. Marine Ecology Progress Series, 245:181-190.
48. Ruiz-Tagle, N. & **M. Fernández**. 2002. Full-time mothers: daily rhythms in brooding and non-brooding behaviors of Brachyuran crabs. Journal of Experimental Marine Biology and Ecology, 276:31-47
49. Lardies, M. & **M. Fernández**. 2002. Development of encapsulated embryos of marine invertebrates: does oxygen availability determine clutch size? Marine Ecology Progress Series, 239:139-146
50. Baeza, A. & **M. Fernández**. 2002. Active brood care in *Cancer setosus* (Crustacea: Decapoda): the relationship between female behavior, embryo oxygen consumption and the cost of brooding. Functional Ecology, 16:241-251
51. **Fernández, M.** Jaramillo, E., Marquet, P., Moreno, C., Navarrete, S., Ojeda, P., Valdovinos, C. & J. Vásquez. 2000. Diversity, ecology and biogeography of

- Chilean benthic nearshore ecosystems: an overview and needs for conservation. *Revista Chilena de Historia Natural*, 73:629-662
52. **Fernández, M.** & J.C. Castilla. 2000. Recruitment of *Homalaspis plana* in intertidal habitats of Central Chile and the implications for the current use of Management and Marine Protected Areas. *Marine Ecology Progress Series*, 208:157-170
  53. **Fernández, M.**, Bock, C. & H-O. Pörtner. 2000. The cost of being a caring mother: the ignored factor in the reproduction of marine invertebrates. *Ecology Letters*, 3:486-494
  54. **Fernández, M.** 1999. Cannibalism in Dungeness crab: the effects of predator-prey size ratio, prey and predator densities, and habitat type. *Mar.Ecol.Prog.Ser.*, 182:221-230
  55. Castilla, J.C & **M. Fernández**. 1998. Small-scale benthic fisheries in Chile: a lesson on co-management and sustainable use of benthic invertebrates. *Ecol. Applic.*, 8(1):S124-132
  56. **Fernández, M.** & J.C. Castilla. 1997. The Chilean artisanal Stone crab (*Homalaspis plana*) fishery: catch trends in open access zones and the effect of management areas in Central Chile. *Journal of Shellfish Res.*, 16(2):371-377
  57. Iribarne, O., **Fernández, M.** & D. Armstrong 1996. Mate choice in the amphipods *Eogammarus oclairi*: the role of current velocity, random assortment, habitat heterogeneity, and male's behavior. *Mar. Fresh. Behav. Physiol.*, 27:223-237
  58. Iribarne, O., **Fernández, M.** & D. Armstrong. 1995. Molting and fertilization of female amphipod *Eogammarus oclairi*: diel molting rhythm and the effect of delaying copulation. *Mar. Fresh. Behav. Physiol.*, 27:1-11
  59. Iribarne, O., Armstrong, D. & **M. Fernández**. 1995. Environmental impact of intertidal juvenile Dungeness crab habitat enhancement: effects on bivalves and crab foraging rate. *Journal of Experimental Marine Biology and Ecology*, 192:173-194
  60. Iribarne, O., **Fernández, M.** & D. Armstrong. 1995. Precopulatory guarding time in the amphipod *Eogammarus oclairi*: effect of population structure. *Mar. Biol.*, 124:219-223
  61. **Fernández, M.**, Iribarne, O. & D. Armstrong. 1994. Ecdysial rhythms in megalopae and first instar Dungeness crab *Cancer magister* Dana. *Marine Biology*, 118:611-615
  62. **Fernández, M.**, Iribarne, O. & D. Armstrong. 1994. Swimming behavior of Dungeness crab, *Cancer magister* Dana, megalopae in still water and in a flume flow. *Estuaries*, 17(1B):271-275
  63. Iribarne O., **Fernández, M.** & D. Armstrong. 1994. Does space competition regulate density of juveniles Dungeness crab *Cancer magister* Dana in sheltered habitats? *Journal of Experimental Marine Biology and Ecology*, 183:259-271
  64. Iribarne, O. & **M. Fernández**. 1994. Clarification of the taxonomic status of a South Western Atlantic octopus. *Malacological Review*, 1994:115-116
  65. **Fernández, M.**, Iribarne, O. & D. Armstrong. 1993. Habitat selection by young of the year Dungeness crab *Cancer magister* Dana and predation risk in intertidal habitats. *Marine Ecology Progress Series*, 92:171-177
  66. **Fernández, M.**, Armstrong, D. & O. Iribarne. 1993. First cohort of young-of-the-year Dungeness crab, *Cancer magister*, reduces abundance of subsequent cohorts in

- intertidal shell habitats. *Canadian Journal of Fisheries and Aquatic Sciences*, 50:2100-2105.
67. Iribarne, O., **Fernández, M.**, Diaz, M. & M. Clemente. 1993. Method of prey attack by the Patagonian octopus *Octopus tehuelchus* d'Orbigny: an odd pattern. *The Veliger*, 36:199-203
68. Iribarne, O., Armstrong, D., Palacios, R. & **M. Fernández**. 1992. Ecological effects of adding bivalve shell to intertidal soft-bottom areas. *The Northwest Environmental Journal*, 8:153-155
69. Iribarne, O., **Fernández, M.** & H. Zucchini. 1991. Prey selection by the small Patagonian octopus, *Octopus tehuelchus*. *Journal of Experimental Marine Biology and Ecology*, 148:271-281

### **Books**

- Droguett, D., Y. Sánchez, A. Vila & M. Fernández. 2016. Chile es mar. Ed. Pehuen.
- Vargas, R., Smith-Ramirez, C., González, G. & **M. Fernández**. 2013. Reserva de la biosfera archipiélago Juan Fernández: endemismo para conservar. En: A Moreira-Muñoz & A Borsdorf (eds) Reservas de la Biosfera de Chile: Laboratorios para la Sustentabilidad. Academia de Ciencias de Austria, Pontificia Universidad Católica de Chile, Instituto de Geografía, Santiago, serie Geolibros, 17: 124-141
- Stefan, G., Peralta, L., Gonzalez, G., Cañamo, A., **Fernández, M** & JC. Castilla. 2011. Scaling-up marine coastal biodiversity conservation in Chile: A call to support and develop ancillary measures and innovative financing approaches. In, Successful and failed experiences in biodiversity conservation: Lessons and policy recommendations from the American continent. E. Figueroa (ed.), Editorial Universitaria; Santiago, Chile.
- Fernández, M.**, Holl H. & S. Kimberlin. 2007. Global patterns of biodiversity. In: M. Denny & S.D. Gaines (eds.) "Encyclopedia of Rocky Shores", p. 71-76, University of California Press, California.
- Marquet, P., **Fernández, M.**, Navarrete, S. & C. Valdovinos. 2004. Diversity emerging: towards a deconstruction of biodiversity patterns. In: *Frontiers in Biogeography* (Lomolino & Heaney). Sinauer Associates, Sunderland, Massachusetts.
- Orensanz, J. M., Pascual, M. & **M. Fernández**. 1991. Scallop Resources from the Southwestern Atlantic (Argentina). In: *Scallops: Biology, Ecology and Aquaculture*, S.E. Shumway (Editor). p. 981-996. Elsevier Sc. Publ. (Amsterdam).

### **Others**

- Escribano, R., **M. Fernández** & A. Aranís. 2004. Physical-chemical processes and patterns of diversity of the Chilean eastern boundary pelagic and benthic marine ecosystem: an overview. *Gayana* 67:190-205.
- Fernández, M.**, M. Rivadeneira, F. Oyarzún, & C. Alvarez. 2001. Diversidad de organismos marinos en Chile: patrones emergentes e implicancias para planes de conservación. CONAMA. Octubre 2001.

## GRANTS

2015. Influence of environmental stressors on early stages of life history of marine species. International Program of the Humboldt Foundation. Principal Investigators Miriam Fernández (Chile) and Daniela Storch (Germany)
2014. CORFO. Bien Público para la competitividad de la pesca responsable a una pesca sustentable: fortalecimiento de la cadena de valor de la pesca artesanal en Chile. Co PI (PI Sebastián Gatica).
- 2011-2014. Iniciativa Milenio. Centro de Conservación Marina- Marine Conservation Center. Investigador Principal Miriam Fernández
2013. FONDECYT 1130976. Restricciones para la conservación marina en Chile central: identificación de áreas prioritarias para la producción de propagulos. Investigador Principal: Miriam Fernández.
2013. Fondo de Desarrollo Regional. Región de Valparaíso. Evaluación de zonas de interés para la conservación en Archipiélago de Jan Fernández.
2011. Pew Charitable Trust. Conservación marina en la provincia biogeográfica de Pascua y Salas y Gómez.
2010. International Laboratory of Global Change (SCIC-UC). Effect of radiation on marine ecosystems. Investigador Principal: Miriam Fernández.
2010. FONDECYT 1100592. Marine conservation in central Chile: challenges and opportunities. Investigador Principal: Miriam Fernández. Coinvestigador: Juan Carlos Castilla.
2009. Articulación de un Programa Académico y Profesional Interfacultades en Biología Marina y Acuicultura: una Respuesta al Reto Científico y Tecnológico en el Uso Sustentable de los Recursos Marinos”. Responsable Proyecto Mecesus PUC0607. Investigador Principal: Miriam Fernández.
2009. Una aproximación interdisciplinaria al manejo y la conservación marina: experiencias divergentes como base de estrategias globales. Investigador Principal: Covadonga Orejas (España) y Miriam Fernández (Chile). Coinvestigadores: Mikel Zabala (España), Stefan Gelcich (Chile), Juan Carlos Castilla (Chile). BBVA.
2006. FONDECYT 1060489. Constraints on parental care among marine invertebrates: the effects of body size and temperature. Investigador Principal Miriam Fernández. Abril 2006-Marzo 2010.
2005. Marine Conservation in Chile. Pew Ocean Institute. Investigador Principal: Miriam Fernández.
2005. Thermal tolerance and trade-offs between growth and activity in various larval stages along a latitudinal cline. Patrocinante de beca postdoctoral: Miriam Fernandez. Concursante: Daniela Storch. Fondecyt.
2004. ECOS-Conicyt. Analysis of biogeographic discontinuities and transition zones along the Chilean coast: phylogeographic approach. Investigador Principal: Miriam Fernández. Coinvestigadores: Juan Carlos Castilla, Sylvain Faugeron y Sergio Navarrete.
2004. Actualización y validación de la clasificación de las zonas biogeográficas litorales. Fondo de Investigación Pesquera. Investigador Principal Eduardo Jaramillo. Coinvestigadores Nelson Lagos, Miriam Fernández, Patricio Ojeda, Pablo Marquet, Patricio Camus.



2002. FONDECYT 1020860. Reproductive patterns and clutch size determination in marine invertebrates: what can be learned from transition zones? Abril 2002-Marzo 2006.
2002. FONDECYT 7020860 “Reproductive investment and clutch size determination in marine invertebrates: what can be learned from transition zones?. Co-investigador: Dr. Sergio Navarrete. Coinvestigadores extranjeros: Steve Gaines y Richard Strathmann. Abril 2002-Marzo 2005.
2001. Proyecto National Geographic “Patterns of biodiversity in the transition zone of Chiloé Island“. Enero 2002-Enero 2004.
2001. FONDAP Ecología y Biodiversidad. Investigador Asociado. PI: Fabián Jaksic. 2001- Diciembre 2011.
1999. The crabs of the end of the world. Volkswagen Foundation. 1999-2001.
1999. Reproductive effort and parental care in five species of Brachyuran crabs along the latitudinal gradient of the coast of Chile (FONDAP- Concurso regular Fondecyt 1999). 1999-2002.
1998. Fundación Humboldt. Breeding strategies in Brachyuran crabs and the implications of oxygen provision.
1996. Fondo de Investigación Pesquera, Chile. Métodos de evaluación de recursos de fondos duros.
1995. Fundación Antorchas. Argentina. The relative importance of larval supply and post-settlement processes in regulating Dungeness crab recruitment.
1995. Fondo de Investigaciones Pesqueras. Chile. Evaluación indirecta de bancos naturales del ostión del Norte en las III and IV Regiones, Chile.
1992. American Museum of Natural History (Lerner Gray Fund for Marine Research). USA. First cohort of young-of-the-year Dungeness crab, *Cancer magister*, reduces abundance of subsequent cohorts in intertidal shell habitats.

## ASSOCIATED POSTDOCTORAL FELLOWS

- Dr. Simone Baldanzi. Fondecyt. 2015-2017.
- Dr. Sergio Carrasco. Fondecyt. 2013-2015.
- Dra. Maria Dulce Subida. Iniciativa Científica Milenio. 2012-2014.
- Dra. Silvia de Juan. Iniciativa Científica Milenio. 2013-2014.
- Dr. Alejandro Pérez Matus (co sponsored by Stefan Gelcich and Evie Wieters). Iniciativa Científica Milenio. 2013-2014.
- Dr. Ingo Hahn, Post-doctorante Feodor Lynen - Fundación Humboldt, Alemania, 2001-Octubre 2003 y 2006.
- Dr. Rubén Soto, Post-doctorante Fondecyt, Chile, 2001-2004
- Dra. Katherina Brokordt, Post-doctorante Fondecyt, Chile, 2002-2005.
- Dra. Daniela Storch, Post-doctorante Feodor Lynen - Fundación Humboldt, Alemania. 2004-2006.
- Dr. Stephan Gelcich, Postdoctorante Proyecto Pew. 2005.
- Dra. Daniela Storch, Post-doctorante Feodor Lynen - Fundación Humboldt, Alemania. Nueva estadía entre Diciembre de 2007-2008.
- Dr. Antonio Brante, Postdoctorante Proyecto Pew. 2007.

**OUTREACH:**

2010 to present. Director of the Chile Es Mar Outreach Program (Coordinator Yolanda Sánchez)