

# Julio Lorda Solórzano

## CURRICULUM VITAE

Professor

Facultad de Ciencias

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CONACYT SNI-1

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### Education

- 2014-2016 Postdoctoral Researcher. Tijuana River National Estuarine Research Reserve. Imperial Beach, California. USA.
- 2014 Ph.D. Ecology, Evolution, and Marine Biology. University of California, Santa Barbara. USA.
- 2002 B. Sc. Biology. Universidad de Guadalajara. México.
- 2000 Exchange program. University of Western Ontario. Canada.

### Publications

- 2017
- Beas-Luna R., E. M. Donham, S. Lummis, A. Abadía-Cardoso; **J. Lorda**, y K. J. Kroeker. 2017. Monitoreo físico, químico y biológico de arrecifes templados en Baja California. Estado Actual del Conocimiento del Ciclo del Carbono y sus Interacciones en México: Síntesis 2017. Serie Síntesis Nacionales. Programa Mexicano del Carbono
- Gérard C., O. Miura, **J. Lorda**, T. H. Cribb, M. J. Nolan, and R. F. Hechinger. 2017. A native-range source for a persistent trematode parasite of the exotic New Zealand mudsnail (*Potamopyrgus antipodarum*) in France. *Hydrobiologia* 785 (1): 115-126.  
<http://dx.doi.org/10.1007/s10750-016-2910-8>
- Lorda J.**, A. Abadía-Cardoso, M. Almeida, R. Beas-Luna, D. Boudreau, H. Bellringer, M. Cordrey, K. Goodrich, J. McCullough y J. Crooks. 2017. Variabilidad y efectos antropogénicos en el pH en tres lagunas costeras en San Diego. Estado Actual del Conocimiento del Ciclo del Carbono y sus Interacciones en México: Síntesis 2017. Serie Síntesis Nacionales. Programa Mexicano del Carbono
- Safran SM, Baumgarten SA, Beller EE, Crooks JA, Grossinger RM, **Lorda J**, Longcore TR, Bram D, Dark SJ, Stein ED, McIntosh TL. Tijuana River Valley Historical Ecology

Investigation. 2017. Prepared for the State Coastal Conservancy. A Report of SFEI-ASC's Resilient Landscapes Program, Publication # 760, San Francisco Estuary Institute-Aquatic Science Center, Richmond, CA.  
<http://www.sfei.org/documents/tijuana-river-valley-historical-ecology-investigation>

Teck, S. **J. Lorda**, N. T. Shears, T. W. Bell, J. Cornejo-Donoso, J. E. Caselle, S. L. Hamilton, S. D. Gaines. 2017. Disentangling the effects of fishing and environmental forcing on demographic variation in an exploited species. *Biological Conservation* 209: 488-498.  
<http://doi.org/10.1016/j.biocon.2017.03.014>

2016

Crooks, J. A., D. M. Talley, M. Cordrey, C. Whitcraft, **J. Lorda-Solorzano**, K. Uyeda, H. Bellringer, J. McCullough, M. Almeida. 2016. Unnatural History: Biological Invasions into Coastal Ecosystems. en: U.S.-Iran Symposium on Wetlands. Irvine, California. pp 193-203  
<https://jlorda.files.wordpress.com/2017/06/crooks-et-al-us-iran-symp-invasions-in-coastal-ecosystems-2016.pdf>

Dolby G. A., R. F. Hechinger, R. A. Ellingson, L. T. Findley, **J. Lorda**, and D. K. Jacobs. 2016. Sea-level driven glacial-age refugia and post-glacial mixing on subtropical coasts, a palaeohabitat and genetic study. *Proceedings of the Royal Society B: Biological Sciences*. 283 (1843) 1-8.  
<http://rspb.royalsocietypublishing.org/content/royprsb/283/1843/20161571.full.pdf>

**Lorda J.**, R. F. Hechinger, S. D. Cooper, A. M. Kuris and K. D. Lafferty. 2016. Intraguild predation by shore crabs affects mortality, behavior, growth, and densities of California horn snails. *Ecosphere* 7 (5): 1-17.  
<http://onlinelibrary.wiley.com/doi/10.1002/ecs2.1262/pdf>

2015

Bonel N. and **J. Lorda**. 2015. Growth and body weight variability of the invasive mussel *Limnoperna fortunei* (Mytilidae) across habitat and season. *Malacologia* 58 (1/2): 129-145.  
<http://dx.doi.org/10.4002/040.058.0202>

2014

Hopper J. V., A. M. Kuris, , **J. Lorda**, S. E. Simmonds, C. White, and R. F. Hechinger. 2014. Reduced parasite diversity and abundance in a marine whelk in its expanded geographical range. *Journal of Biogeography* 41(9): 1674-1684.  
<http://dx.doi.org/10.1111/jbi.12329>

2013

Bonel N., L. C. Solari and **J. Lorda**. 2013. Differences in Density, Shell Allometry and Growth Between Two Populations of *Limnoperna fortunei* (Mytilidae) from the Río De La Plata Basin, Argentina. *Malacologia* 56 (1-2): 43-58.  
<http://dx.doi.org/10.4002/040.056.0203>

2012

**Lorda J.** and K. D. Lafferty. 2012. Shading decreases the abundance of the herbivorous California horn snail, *Cerithidea californica*. *Journal of Experimental Marine Biology and Ecology* 432-433: 148-155.  
<http://dx.doi.org/10.1016/j.jembe.2012.07.009>

2011

Hechinger R. F., K. D. Lafferty, J. P. McLaughlin, B. L. Fredensborg, T. C. Huspeni, **J. Lorda**, P. K. Sandhu, J. C. Shaw, M. E. Torchin, K. L. Whitney, and A. M. Kuris. 2011. Food webs including infectious agents, biomass, body sizes, and life-stages, for three estuaries in California and Baja California. *Ecology* 92 (3):791.  
<http://dx.doi.org/10.1890/10-1383.1>

2008

Kuris A. M., R. F. Hechinger, J. C. Shaw, K. L. Whitney, L. Aguirre-Macedo, C. A. Boch, A. P. Dobson, E. J. Dunham, B. L. Fredensborg, T. C. Huspeni, **J. Lorda**, L. Mababa, F. T. Mancini, A. B. Mora, M. Pickering, N. L. Talhouk, M. E. Torchin, and K. D. Lafferty. 2008. Ecosystem energetic implications of parasite and free-living biomass in three estuaries. *Nature* 454 (7203): 515-518.  
<http://dx.doi.org/10.1038/nature06970>

2006

Ruiz GM, **J. Lorda**, A. Arnwine, and K. Lion. 2006. Shipping Patterns Associated with the Panama Canal: Effects on Biotic Exchange? In: *Bridging Divides – Maritime Canals as Invasion Corridors*; S. Gollasch, B. Galil, and A. Cohen (eds), Springer, Dordrecht. pp 113-126.  
[http://dx.doi.org/10.1007/978-1-4020-5047-3\\_4](http://dx.doi.org/10.1007/978-1-4020-5047-3_4)

2005

Lafferty K. D., R. F. Hechinger, **J. Lorda**, and L. Soler. 2005. Trematodes associated with mangrove habitat in Puerto Rican salt marshes. *Journal of Parasitology* 91 (3): 697- 699.  
<http://dx.doi.org/10.1645/GE-427R>

In review:

Teck, S., **J. Lorda**, N. T. Shears, T. Ben-Horin, R.E. Toseland, S.T. Rathbone, and S.D. Gaines. (accepted) Quality of a fished resource: Assessing spatial and temporal dynamics. *PLOS ONE*.

### **Conferences and invited seminars (only included as presenter)**

**Lorda J.**, A. Abadía-Cardoso, M. Almeida, R. Beas-Luna, D. Boudreau, H. Bellringer, M. Cordrey, K. Goodrich, J. McCullough y J. Crooks. 2017. Variabilidad y efectos antropogénicos en el pH en tres lagunas costeras en San Diego. Programa Mexicano del Carbono, Ensenada, Baja California, México.

**Lorda J.** 2016. Ecología de comunidades y redes tróficas en las lagunas costeras de la Alta y Baja California. CICESE, Ensenada, Baja California, México.

**Lorda J.** 2016. Ecología de comunidades y redes tróficas en las lagunas costeras de la Alta y Baja California. Instituto de Investigaciones Oceanológicas, Universidad Autónoma de Baja California, Ensenada, Baja California, México.

**Lorda J.** 2015. Changing benefits from the Tijuana River Estuary: A look through TIME. Tijuana River National Estuarine Research Reserve, Saturday Speaker Series, San Diego, California, USA

- Lorda J.** 2014. The fascinating and hidden life of the Tijuana Estuary: Snails, parasites, and more. Tijuana River National Estuarine Research Reserve, Saturday Speaker Series, San Diego, California, USA
- Lorda J.** 2014. Temporal Investigations of Marsh Ecosystems (Time): Using temporal information to inform restoration planning in southern California wetlands. Headwaters to Ocean (H2O) Conference, San Diego, California, USA.
- Lorda J.** and N. Bonel. 2013. Growth and body weight variability of the invasive mussel *Limnoperna fortunei* (mytilidae) across habitat and season. Western Society of Naturalists, Oxnard, California, USA.
- Lorda J.,** L. C. Solari and N. Bonel. 2013. Differences in density, allometry, and growth between two populations of *Limnoperna fortunei* (Mytilidae) from the Río de la Plata basin, Argentina. The Coastal & Estuarine Research Federation, San Diego, California, USA.
- Lorda J.** 2012. The effects of shore crabs on the mortality, behavior, growth, and densities of California horn snails (*Cerithidea californica*). Western Society of Naturalists, Seaside, California, USA.
- Lorda J.** 2012. Shading decreases the abundance of the herbivorous California horn snail, *Cerithidea californica*. California Estuarine Research Society. Long Beach, California, USA.
- Lorda J.,** R. F. Hechinger and K. D. Lafferty. 2010. Abundance and distribution of the intertidal horn snail, *Cerithidea californica*, throughout its northern range. Western Society of Naturalists, San Diego, California, USA.
- Lorda J.,** R. F. Hechinger and K. D. Lafferty. 2009. What controls the populations of the New Zealand mud snail, *Potamopyrgus antipodarum*, in its native range? Western Society of Naturalists. Monterey, California, USA.
- Lorda J.,** J. V. Hopper, C. White, S. Koch, and A. M. Kuris. 2009. Distribution and abundance of parasites of *Kelletia kelletii*, a marine whelk with a recent range expansion. International Temperate Reef Symposium. Adelaide, South Australia, Australia.
- Lorda J.,** J. V. Hopper, C. White, S. Koch, and A. M. Kuris. 2007. Distribution and abundance of parasites of *Kelletia kelletii*, a marine whelk with a recent range expansion. From Alaska to Chiapas: North American Parasitology Conference. Mérida, Yucatán, México.
- Lorda J.,** and G. Ruiz. 2006. The Panama Canal and its role on the globalization of marine biota. Ecology in an Era of Globalization, Ecological Society of America. Mérida, Yucatán, México.
- Lorda J.,** K. D. Lafferty, R. F. Hechinger, and Soler L. 2004. Trematodes associated with mangrove habitat in Puerto Rican salt marshes. Invited Speaker. Western Society of Malacologists. Ensenada, Baja California, México.

## Poster presentations

Giddings S. N., F. Feddersen, M. Harvey, A. Gilroy, J. Crooks, J. McCullough, **J. Lorda**, D. Grimes, G. Pawlak, and A. Amadore. 2016. CISDE Experiment: Nearshore estuarine connectivity and dispersion. Ocean Sciences Meeting. New Orleans, LA, USA.

**Lorda J.**, and R. F. Hechinger. 2010. The effect of the trematode *Microphallus* sp. on New Zealand mud snail populations in their native range. California and the World Ocean. San Francisco, CA, USA.

Meza-Lopez M. M., **J. Lorda**, and A. M. Kuris. 2009. Selective predation of *Pachygrapsus crassipes* and *Hemigrapsus oregonensis* on the California horn snail, *Cerithidea californica* in the laboratory. Ecological Society of America. Albuquerque, NM, USA

## Grants, Fellowships, and Awards

- 2017 PRODEP. Apoyo a la Incorporación de NPTC. México. \$387,539 mx
- 2015 CONACYT. National Researcher System, Level 1.
- 2015 The Blasker-Rose-Miah Fund. The San Diego Foundation. USA. \$39,743 usd
- 2012 Pre-doctoral Fellow. Smithsonian Environmental Research Center. USA. \$22,500 usd
- 2009-2011 California Sea Grant Fellowship. USA.
- 2010 Graduate Division Fee Fellowship, University of California Santa Barbara. Spring 2010.
- 2008-2009 Graduate Division Fee Fellowship, University of California Santa Barbara. Fall 2008, Winter 2009.
- 2009 Graduate Division Travel Grant, University of California Santa Barbara. \$1,400 usd
- 2008 Departmental Travel Grant, Ecology Evolution and Marine Biology, University of California Santa Barbara. \$445.54 usd
- 2006 - 2007 Smithsonian Institution. Marine Science Network. Role of the Panama Canal in regional and global marine invasions: A Pilot Project. \$10,000 usd
- 2006 Travel Award Ford Foundation Grant. Ecology in an Era of Globalization, Ecological Society of America. Mérida, Yucatán. \$1,000 usd
- 2003 - 2008 CONACYT Fellowship. University of California, Santa Barbara. USA. \$93,945 usd
- 2003 - 2008 UCMEXUS Fellowship. University of California, Santa Barbara. USA. \$64,719 usd
- 2001 Outstanding Student Recognition. Universidad de Guadalajara.

- 1999 - 2000 PROMESAN Exchange Program Fellowship. University of Western Ontario - Universidad de Guadalajara. \$3,000 usd
- 1998 Mexican Academy of Science. Summer Internship Program Fellowship.
- 1997 Outstanding Student Scholarships Program. Universidad de Guadalajara.

### **Research Positions**

- 2013 - 2016 Postdoctoral Researcher. Tijuana River National Estuarine Research Reserve. Imperial Beach, California, USA
- 2012 Pre-doctoral Fellow. Smithsonian Environmental Research Center. USA.
- 2009-2011 Sea Grant Student Fellowship, University of California, Santa Barbara, California, USA.
- 2004 - 2008 Graduate Student Researcher. University of California, Santa Barbara, California, USA
- 2001 - 2003 Research Assistant. Smithsonian Environmental Research Center. Marine Invasions Research Laboratory. Edgewater, Maryland, USA.
- 2000 - 2001 Research Assistant. Laboratorio de Ecología Marina y Acuicultura. Universidad de Guadalajara. Guadalajara, Jalisco, México.
- 1998 Summer. Research Internship. Centro de Investigación Científica y Estudios Superiores de Ensenada. Ensenada, Baja California, México.
- 1997 - 1998 Research Assistant. Laboratorio de Ecología Marina y Acuicultura. Universidad de Guadalajara. Guadalajara, Jalisco, México.

### **Teaching and mentor experience**

- 2016-present Professor. Community Ecology, Facultad de Ciencias, Universidad Autónoma de Baja California.
- Professor. Invertebrates, Facultad de Ciencias, Universidad Autónoma de Baja California.
- 2012 Thesis committee of a Master of Science in Environmental Science student, Swiss Federal Institute of Technology (ETH) Zürich.
- 2012 Invited Lecturer. Environmental Ecology, University of California, Santa Barbara.
- Teaching Assistant. Ecology of Disease. University of California, Santa Barbara.
- 2011 Teaching Assistant. Conservation Ecology. University of California, Santa Barbara.
- 2006-2009 Student mentor on the Research Mentorship Program at University of California, Santa Barbara. Mentor of: 4 undergrad students and 3 high school students.

2007-2008 Teaching Assistant. Parasitology. University of California, Santa Barbara.

2005-2010 Invited lecturer. Early Start Program at the University of California, Santa Barbara.