

# Curriculum Vitae

Name: Darko Davor Cotoras Viedma  
Place of Birth: Santiago, Chile  
e-mail: [darkocotoras@gmail.com](mailto:darkocotoras@gmail.com)  
Website: <https://www.calacademy.org/staff/ibss/entomology/darko-cotoras>



## 1.- Researcher positions

- February, 2018 – today: Research Associate. Entomology dept. California Academy of Sciences
- April-May, 2018: Visiting Scholar. Ecology and Evolution Unit. Okinawa Institute of Science and Technology
- January, 2015 – December, 2017: Post Doctoral Researcher. University of California, Santa Cruz (Advisors: Beth Shapiro and Ed Green) / California Academy of Sciences (Advisors: Charles Griswold and Brian Simison)
- September-November, 2014: Junior Specialist. NSF Hawai'i Dimensions of Biodiversity project. University of California, Berkeley
- January-August, 2014: Graduate Student Researcher. NSF Hawai'i Dimensions of Biodiversity project. University of California, Berkeley

## 2.- Education

- 2009-2014: PhD Integrative Biology. University of California, Berkeley  
*Advisors:* David Lindberg - Rosemary Gillespie  
*Dissertation:* "Diversification of spiders on volcanic islands from the Pacific Ocean"
- 2008-2009: Master in Biological Sciences with mention in Ecology & Evolutionary Biology, Universidad de Chile (*Highest distinction*)  
*Advisors:* Miguel Allende – Verónica Cambiazo  
*Thesis:* "In the footsteps of *Urbilateria*, or Evolution of the gene network involved in appendage development in arthropods (*Drosophila melanogaster*) and vertebrates (*Danio rerio*)"
- 2004-2007: Bachelor in Sciences with mention in Biology, Universidad de Chile. (*Highest distinction*. Promotion ranking: 1<sup>st</sup>. Final grade: 6,5 been 7,0 the maximum)  
*Research internships:* Zebrafish developmental biology lab (Miguel Allende) and Evolutionary ecology lab (Rodrigo Medel)
- 1991-2003: Colegio San Ignacio (Santiago, Chile)

## 3.- Research interests

Island Biogeography, Phylogenetics, Population Genetics, Paleogenomics and Evolutionary Developmental Biology (EvoDevo).

## 4.- Grants, fellowships and awards

- 2016: Percy Sladen Memorial Fund. The Linnean Society of London (£1,424)
- 2016: Herb Levi Memorial Fund for Arachnological Research. American Arachnological Society. (US\$1,660)
- 2016: Kenneth King Foundation scholarship. International Arachnology Conference (US\$600 + registration)
- 2015: Percy Sladen Memorial Fund. The Linnean Society of London (£1,500)
- 2014: Hagey fund, California Academy of Sciences (Co-PIs: Charles Griswold and Brian Simison; US\$36,028)

- 2014: Short Term fellowship. Smithsonian Tropical Research Institute (Fellow status)
- 2014 and 2012: Summer Research Grant. Graduate Division UC Berkeley (US\$3,500)
- 2014-2011 (each year): Reshetko Family Scholarship Fund. UC Berkeley (US\$1,700-3,000)
- 2014-2010 (each year): Walker Grant. Essig Museum of Entomology. UC Berkeley (US\$1,000)
- 2013: Pilot research grant. Organization for Tropical Studies (US\$2,200)
- 2012: Sigma Xi Research Grant (US\$750)
- 2012: Best poster presentation. 36<sup>th</sup> Annual meeting American Arachnological Society.
- 2012: Tinker Grant. Center of Latinamerican Studies. UC Berkeley (US\$2,196)
- 2012-2010 (each year): Research fellowship. UC Entomological Student Association. UC Berkeley (US\$500)
- 2011: National Tropical Botanical Garden (NTBG) fellowship, McBryde Garden (US\$1,250)
- 2011: Honorable Mention Border Crossing Essay Contest 2011. International House UC Berkeley
- 2010: Travel grant to attend to Nexos Chile-USA conference (US\$250)
- 2010: 2<sup>nd</sup> Place Border Crossing Essay Contest 2010. International House UC Berkeley
- 2010: Travel grant to attend to Conservation Genomics meeting American Genetic Association (US\$400)
- 2009: Fulbright/CONICYT Doctorate scholarship (4 years of full funding)
- 2008: Best Student Class 2008 Bachelor in Sciences with mention in Biology. Facultad de Ciencias. Universidad de Chile.
- 2008: Travel grant to attend to LI Annual meeting Chilean Society for Biology (CL\$60,000)
- 2008: Beca Líder, Fundación Carolina, España.
- 2007 and 2006: Academic Excellence Fellowship, Facultad de Ciencias, Universidad de Chile.
- 2004: Best admission score Bachelor in Sciences with mention in Biology. Facultad de Ciencias, Universidad de Chile.
- 2003: Espíritu Ignaciano award. Colegio San Ignacio.
- 2003: Life Academic Excellence (each year for 13 years). Colegio San Ignacio.
- 2000: Honorable mention (Junior level). National Math Olympics – Sociedad de Matemática de Chile

## 5.- Teaching experience

### *Graduate*

- Summer 2018 (*invited*): Tropical Biology: an Ecology Approach. Invited faculty. Organization for Tropical Studies (Las Alturas Biological Station, Costa Rica).
- Spring 2018: Day workshop: Introduction to phylogenetic reconstruction. Instructor. (Okinawa Institute of Science and Technology, Spring 2018; Smithsonian Tropical Research Institute, Winter 2018; Museo de Nacional de Costa Rica; Summer 2017)
- Winter 2018: Tropical Ecology and Conservation (spanish version). Invited faculty. Organization for Tropical Studies (Palo Verde Biological Station, Costa Rica).
- Winter 2017: Field Ecology: Skills for Science and Beyond. Invited faculty. Organization for Tropical Studies (Las Cruces Biological Station, Costa Rica).
- Summer 2017: Tropical Biology: an Ecology Approach. Invited faculty. Organization for Tropical Studies (Cueric Biological Station, Costa Rica).
- Fall 2016: External examiner on Doctoral dissertation. Milenko Aguilera, Universidad de Concepción.
- Summer 2016: Main mentor of summer intern from the Cal Teach program (Mario Nava). UC Santa Cruz.
- Spring 2016: External examiner on Doctoral qualifying exam. Milenko Aguilera, Universidad de Concepción.

### *Undergraduate*

- Summer 2018 (*invited*): REU (Research Experience for Undergraduates) for U.S. Underrepresented Minority Students Summer Programs in Costa Rica. Course co-coordinator. Organization for Tropical Studies (Las Cruces Biological Station, Costa Rica).
- Spring 2018: Tropical Ecology. Invited lecturer. Stetson University.

- Summer 2017: REU (Research Experience for Undergraduates) for U.S. Underrepresented Minority Students Summer Programs in Costa Rica. Mentor of Gustavo Acevedo (UP Río Piedras) and Gabriela Cardona (UP Mayagüez). Organization for Tropical Studies (La Selva Biological Station, Costa Rica).
- Summer 2017: Tropical Biology. Invited faculty. Organization for Tropical Studies (La Selva Biological Station, Costa Rica).
- Fall 2014: Biogeography. Invited lecturer. Universidad de Costa Rica.
- Spring 2011: Biology 1B: Plant Diversity, Ecology and Evolution. Teaching assistant. UC Berkeley.
- Fall 2010: Evolution. Teaching assistant. UC Berkeley.
- Spring 2008: Developmental Biology. Teaching assistant. Universidad de Chile.
- Spring 2008: Evolution & Development. Invited lecturer. Universidad de Chile.
- Fall 2008 and 2009: General Zoology. Teaching assistant. Universidad de Chile.
- Fall 2007-2009: Comparative anatomy of vertebrates. Teaching assistant. Universidad de Chile.

*Note: The season is relative to the place where the course was taught.*

#### 6.- Field experience

- January 2018: Isla Barro Colorado, Panamá (<1 week)
- July 2017: Isla del Coco, Costa Rica (2 weeks)
- June 2016: Hawai'i (Kaua'i and O'ahu; 2 weeks).
- June/July 2015: Society Islands, French Polynesia (Tahiti, Raiatea, Taha'a and Huahine; 6 weeks).
- November/December 2014: Costa Rica and Panamá (6 weeks).
- June 2013: Hawai'i (Kaua'i, Maui, Lana'i and Big Island; 4 weeks).
- August 2012: Rapa Nui (Isla de Pascua) (3 weeks).
- June 2012: Hawai'i (Big Island, Moloka'i, and Maui; 4 weeks).
- January 2012: Hawai'i (Big Island; 3 weeks).
- August 2011: Juan Fernández archipelago (Isla Robinson Crusoe; 2 weeks).
- June 2011: Hawai'i (Big Island; 4 weeks).
- August 2010: Hawai'i (Big Island; 2 weeks).
- January 2010: Hawai'i (Maui and Big Island; 2 weeks).
- Since 2006: Several trips in central and southern Chile.

#### 7.- Museum collections examined

California Academy of Sciences (San Francisco, California), Essig Museum of Entomology (UC Berkeley), Instituto Nacional de Biodiversidad (San José, Costa Rica), Museo de Invertebrados G.B. Fairchild (Universidad de Panamá), Museo Nacional de Historia Natural (Santiago, Chile), Muséum national d'Histoire naturelle (Paris, France), Museum of Comparative Zoology (Harvard University), Natural History Museum (London, UK), Senckenberg Museum (Frankfurt, Germany), The Bernice Pauahi Bishop Museum (Honolulu, Hawai'i) and Zoologisk Museum (København's Universitet).

#### 8.- Publications

- Cardona-Rivera G.A. and Cotoras D.D. Changes in web structure of *Tetragnatha tenuissima* (Araneae: Tetragnathidae) as a response to environmental factors (*submitted*)
- Cotoras D.D., Bi K., Brewer M., Lindberg D., Prost S. and Gillespie R.G Co-occurrence of Ecologically Similar Species of Hawaiian Spiders Reveals Critical Early Phase of Adaptive Radiation (*submitted*)
- Araya J.F., Aliaga J.A. and Cotoras D.D. Rediscovery of *Pacificella variabilis* (Gastropoda: Achatinellidae) on Easter Island. *Pacific Science* 72 (*in press*)

- McGuire J.A., Cotoras D.D., O'Connell B., Lawalata S.Z.S., Wang-Claypool C.Y., Stubbs A., Huang X., Wogan G.O.G., Hykin S., Reilly S.B., Bi K., Riyanto A., Arida E., Smith L., Milne H., Streicher J.W. and Iskandar D.T. 2018. Squeezing Water From a Stone: High-Throughput Sequencing from a 145-Year Old Holotype Resolves (Barely) a Cryptic Species Problem in Flying Lizards. *PeerJ*: e4470.
- Cotoras D.D. and Vidal M.A. 2018. Similar feeding ecologies, different morphologies in *Liolaemus pictus* (Duméril & Bibron, 1837) (Liolaemidae) from Chiloé Archipelago, Chile. *Boletín del Museo Nacional de Historia Natural, Chile* 67: 25-31.
- Cotoras D.D., Murray G.G.R., Kapp J., Gillespie R.G., Griswold C., Simison W.B., Green R.E. and Shapiro B. 2017. Ancient DNA resolves the history of *Tetragnatha* (Araneae, Tetragnathidae) spiders on Rapa Nui. *Genes* 8: 403.
- Cotoras D.D.\*, Wynne J.J.\*, Flores-Prado L. and Villagra C. 2017. The spiders of Rapa Nui (Easter Island) revisited. *Bishop Museum occasional papers* 120: 1-17.
- Cotoras D.D., Brewer M.S., Croucher P.J.P., Oxford G.S., Lindberg D.R. and Gillespie R.G. 2017. Convergent evolution in the colour polymorphism of *Selkirkiella* spiders (Theridiidae) from the South American temperate rainforest. *The Biological Journal of the Linnean Society* 120: 649-663.
- Cotoras D.D. and Allende M.L. 2015. Was the tail bud the ancestral center where the fin developmental program evolved in chordates? *Contributions to Zoology* 84: 317-328
- Rominger A., Roesch Goodman K., Lim J., Valdovinos F., Armstrong E., Becking L., Bennett G., Brewer M. Cotoras D., Ewing C., Harte J., Martinez N., O'Grady P., Percy D., Price D., Roderick G., Shaw K., Gruner D., Gillespie R. 2015. Community assembly on isolated islands: Macroecology meets evolution. *Global Ecology and Biogeography* doi: 10.1111/geb.12341
- Brewer M.S. Cotoras D.D., Croucher P.J.P., Gillespie R.G. 2014. New sequencing technologies, the development of genomics tools, and their applications in evolutionary Arachnology. *Journal of Arachnology*. 42:1-15
- Razeto-Barry P., Díaz J., Cotoras D. and Vásquez R. 2011. Molecular evolution, mutation size and gene pleiotropy: a geometric reexamination. *Genetics* 187: 877-885
- Glavic A., Molnar C., Cotoras D. and de Celis J.F. 2009. *Drosophila* Axud1 is involved in the control of proliferation and displays pro-apoptotic activity. *Mechanisms of Development*. 126: 184-197

#### 9.- Participation in congress

- Cotoras D.D. and Viquez C. (Oral presentation) Sympatric speciation or exceptional behavioral plasticity? Genetic consequences of niche partition in *Wendilgarda galapagensis* (Araneae, Theridiosomatidae) from Isla del Coco. I Simposio Internacional sobre la Isla del Coco. February 13-15, 2018. San José, Costa Rica
- Viquez C. and Cotoras D.D. (Oral presentation) Arachnids (Arachnida) from Isla del Coco, Costa Rica.\* February 13-15, 2018. San José, Costa Rica
- Cotoras D.D. and Jones A. (Poster) A glimpse of the biodiversity of UC Santa Cruz's Empire Cave. 18<sup>th</sup> Bay Area Conservation Biology Symposium 2017. May 6, 2017. Santa Cruz, CA. USA
- Cotoras D.D., Brewer M.S., Bi K., Prost S., Lindberg D.R. and Gillespie R. G. (Oral presentation) Genetic mosaic among ecologically similar species within an adaptive radiation of Hawaiian spiders. 20<sup>th</sup> International Conference of Arachnology 2016. July 2-9, 2016. Golden, CO. USA
- Cotoras D. Lindberg D.R. and Gillespie R.G. (Oral presentation) Color polymorphism on *Selkirkiella* spiders (Theridiidae) from the Juan Fernández archipelago and the Valdivian temperate rainforest. VIII Southern Connection Congress 2016. January 18-23, 2016. Punta Arenas, Chile
- Cotoras D. Lindberg D.R. and Gillespie R.G. (Oral presentation) Was Rapa Nui, the most remote island on the planet, colonized by a Neotropical spider? 5<sup>th</sup> Meeting of the Network for Neotropical Biogeography. January 14-15, 2016. Santiago, Chile
- Ramírez G., Gonzales C., Flores L., Cotoras D. and Villagra C. (Poster) Biodiversity studies in Isla de Pascua: abundance and distribution of díptera in Rapa Nui\*. XXXVII National Congress

- of Entomology & II Southamerican Congress of Entomology. November 25-27, 2015. Temuco, Chile
- Cotoras D. and Gillespie R.G. (Oral presentation) The role of National Parks and other protected areas on preserving adaptive radiations: The case of the Hawaiian *Tetragnatha* spiders. Science for parks, Parks for Science: The next Century. May 25-27, 2015. Berkeley, CA. USA
  - Cotoras D. and Gillespie R.G. (Oral presentation) Preliminary identification of protected areas with high diversity of *Tetragnatha* spiders on Big Island and Maui Nui. 22<sup>st</sup> Hawai'i Conservation Conference. July 15-17, 2014. Honolulu, HI. USA
  - Cotoras D. and Gillespie R.G. (Oral presentation) Understanding the initiation of adaptive radiation using comparative phylogeography of spiders. Island Biology Conference. July 7-11, 2014. Honolulu, HI. USA
  - Cotoras D. and Gillespie R.G. (Poster) Revealing unknown levels of diversity: Discovery of color change during life history of the endemic spider *Tetragnatha kamakou*. 21<sup>st</sup> Hawai'i Conservation Conference. July 16-18, 2013. Honolulu, HI. USA
  - Gillespie R.G., Ewing C.P., Gruner D.S., Roesch Goodman K., Harte J., Magnacca K.N., Martinez N.D., Nielsen R., O'Grady P.M., Percy D., Price D.K., Rabosky D., Shaw K.L., Rominger A. and Cotoras D. (Poster) Assembly of Arthropod Communities in Hawaii: Can we predict the outcome given a modified dynamic? 21<sup>st</sup> Hawai'i Conservation Conference. July 16-18, 2013. Honolulu, HI. USA
  - Cotoras D., Lindberg D. and Gillespie R. (Oral presentation) Phylogeography of the spider *Tetragnatha brevignatha* in the context of an adaptive radiation. Hawai'i Ecosystems Meeting. July 7-8, 2013. Hilo, HI. USA
  - Cotoras D., Brewer M, Lindberg D. and Gillespie R. (Poster) Another event of independent evolution in color polymorphism on Theridiidae spiders in the Pacific Ocean? 36<sup>th</sup> Annual meeting American Arachnological Society meeting. July 20-24, 2012. Green Bay, WI. USA (*Best poster presentation*)
  - Cotoras D., Lindberg D. and Gillespie R. (Oral presentation) Hypothesis about speciation processes on Hawaiian *Tetragnatha* spiders. Hawai'i Ecosystems Meeting. July 2-3, 2012. Hilo, HI. USA
  - Cotoras D., Lindberg D. and Gillespie R. (Oral presentation) Early stages of the *Tetragnatha* adaptive radiation in the Hawaiian archipelago. Hawai'i Ecosystems Meeting. June 30 – July 1st, 2011. Hilo, HI. USA
  - Cotoras D., Casquet J. and Gillespie R. (Poster) Diversification patterns of *Tetragnatha* spiders in remote archipelagos on the Pacific Ocean. Evolution of Life on Pacific Islands and Reefs: Past, present, and future. May 26-30, 2011. Honolulu, HI. USA
  - Cotoras D., Cambiazo V., Allende M. (Oral Presentation) Conserved gene networks as a tool to predict gene expression: An example from Animal appendages. Genetics, Development, and Molecular Evolution Supergroup Symposium. May 18, 2011. UC Berkeley.
  - Cotoras D., Cambiazo V., Allende M. (Poster) Theoretical and experimental comparisons of gene network involved appendage development in arthropods (*Drosophila melanogaster*) and vertebrates (*Danio rerio*). 1<sup>st</sup> meeting of Chilean Scientists in USA: Nexos Chile-USA 2010. October 29, 2010, Washington D.C., USA
  - Razeto-Barry P., Díaz J., Cotoras D., Vásquez R. (Poster) Molecular evolution, mutation size and gene pleiotropy in fluctuating environments: a geometrical model. IV Binational Meeting in Ecology. August 08-13, 2010. Buenos Aires, Argentina.
  - Croucher P., Lam A., Cotoras D., Mody N. y Gillespie R. (Poster) Phylogeography, diversity and colonization history of the Hawaiian happy-face spider. Annual symposium American Genetic Association: "Conservation Genomics". July 26-28, 2010. Hilo, HI. USA.
  - Cotoras D., Cambiazo V., Allende M. (Poster) In the footsteps of *Urbilateria*\*. LI Annual meeting Chilean Society for Biology. November 26-29, 2008. Pucón, Chile
  - Cotoras D., Cambiazo V., Allende M. (Poster) Evolution of the gene network involved in appendages development in arthropods (*D. melanogaster*) and vertebrates (*D. rerio*)\*. XXII Annual meeting Chilean Society for Cell Biology. October 5-9, 2008. Pucón, Chile

\*Presentation title and conference name translated.

## 10.- Technical reports

- Preliminary identification of terrestrial invertebrates from Alejandro Selkirk Island. Prepared for: Island Conservation.

## 11.- Invited presentations

- Ecology and Evolution Unit. Okinawa Institute of Science and Technology. April, 2018
- Biodiversity & Biocomplexity Unit. Okinawa Institute of Science and Technology. April, 2018
- Departamento de Química. Pontificia Universidad Católica de Valparaíso. March, 2018
- Tupper seminar. Smithsonian Tropical Research Institute. January, 2018
- Bambi seminar. Barro Colorado Island, Smithsonian Tropical Research Institute. January, 2018
- Essig Museum of Entomology. University of California, Berkeley. December, 2017
- Institute for Biodiversity Science and Sustainability. California Academy of Science. December, 2017
- "Fieldwork in the Life and Earth Sciences" (poster) The Linnean Society of London. November, 2017
- Departamento de Ecología. Pontificia Universidad Católica de Chile. January, 2017
- Limahuli National Tropical Botanical Garden. June, 2016
- Hawai'i Institute of Marine Biology. June, 2016
- Ecology, Evolution and Conservation Biology dept. University of Hawai'i, Mānoa. June, 2016
- Department of Land and Natural Resources, State of Hawai'i. June, 2016
- Island Conservation. February, 2016.
- Programa de Genética Humana. Universidad de Chile. January, 2016.
- Departamento de Ecología. Pontificia Universidad Católica de Chile. December, 2015
- Facultad de Ciencias. Universidad de Chile. December, 2015.
- Entomology dept. University of California, Riverside. November, 2015.
- Marine Invertebrate Systematics and Ecology lab. University of the Ryūkyūs. October, 2015.
- Okinawa Institute of Science and Technology. October, 2015.
- Hawai'i Institute of Marine Biology. June, 2015
- Departamento de Ecología. Pontificia Universidad Católica de Chile. January, 2015
- La Selva Biological Station. Organization for Tropical Studies. November, 2014
- California Academy of Sciences. June, 2014
- "Chile Seminars". University of California, Berkeley. May, 2014
- Paleogenomics lab. University of California, Santa Cruz. April, 2014
- University and Jepson Herbaria of the University of California, Berkeley. September, 2013
- "Chalk Talk" Integrative Biology dept. University of California, Berkeley. April, 2013
- Parque Nacional Rapa Nui. August, 2012
- Instituto de Entomología. Universidad Metropolitana de Ciencias de la Educación. July, 2012
- Pacific Coast Entomology Society. February, 2012
- Arachnology dept. California Academy of Science. September, 2011
- Laboratorio de Ecología Evolutiva. Universidad de Chile. August, 2011
- Instituto de Entomología. Universidad Metropolitana de Ciencias de la Educación. August, 2011
- Instituto de Filosofía y Ciencias de la Complejidad. July, 2010

## 12.- Professional development

### *Certifications*

- Cardiopulmonary resuscitation (CPR) and automated external defibrillator (AED). American Heart Association. UC Santa Cruz. Santa Cruz, CA (October 27, 2016)
- Wilderness First Aid. NOLS - National Outdoor Leadership School. Santa Cruz, CA (October 24-25, 2015)
- B3 Combination Helicopter/Airplane Safety. Interagency aviation training. (May 26, 2013)

- Wilderness First Aid. Foster Calm–First Aid and Leadership Trainings. Palo Alto, CA. (April 02-03. 2011)
- Cardiopulmonary resuscitation (CPR) and automated external defibrillator (AED) for the Community and Workplace. American Safety & Health Institute. Foster Calm–First Aid and Leadership Trainings. Palo Alto, CA. (April 02. 2011)

#### *Courses / Workshops*

- Introduction to Python programming on the cluster. Okinawa Institute of Science and Technology. Okinawa, Japan (April, 16, 18, 23, 2018)
- Shotgun Metagenomic Workshop. UC Santa Cruz. Santa Cruz, CA (April 22-23, 2017)
- RADseq - Stacks Workshop. California Academy of Sciences. San Francisco, CA (March 12, 2016)
- Training visit to the Ecology and Evolution Unit of the Okinawa Institute of Science and Technology to learn ancient DNA methods. (October 9-19, 2015)
- Training visit to the Arachnology section of Senckenberg Museum to learn about spider morphology. (September 1-21, 2012)
- Webinar Short Course on Modeling Patterns and Dynamics of Species Occurrence. US Geological Survey and Proteus Wildlife Research Consultants. (August 23-27, 2010)
- Exploring genomes with ENSEMBL. Center for Genomics of the Cell (CGC). Santiago, Chile. (January 13-14, 2009)
- Workshop on Modeling of Genetic Regulatory and Metabolic Networks. Instituto de Sistemas Complejos de Valparaíso (ISCV). Valparaíso, Chile. (March 27-28, 2008)
- VI Complex Systems Summer School. Instituto de Sistemas Complejos de Valparaíso (ISCV). Valparaíso, Chile. (January 07-11, 2008)

#### *SCUBA diving*

- Divers Alert Network (DAN): Emergency Oxygen for Scuba Diving Injuries. Aquasafaris. Santa Cruz, CA (September 22, 2016)
- SSI Specialty Course: Enriched Air NITROX. Bamboo Reef School. San Francisco, CA (February 22, 2012)
- SSI Specialty Course: Diver Stress & Rescue. Bamboo Reef School. Monterey, CA (May 08, 2011)
- SSI Specialty Course: Dry Suit Diving. Bamboo Reef School. Monterey, CA (May 08, 2011)
- PADI Advance SCUBA Diver. Seattle SCUBA School. Monterey, CA. (October 03, 2010)
- NAUI Open water Diver. Cal Dive and Travel. Berkeley, CA (June 1<sup>st</sup>, 2010)

### 13.- Outreach

#### *Blogs*

- "What Big Data does not know and the consequences for Biodiversity Science / Was große Datenmengen nicht wissen (können) und Konsequenzen für die Biodiversitätsforschung" Arachno-Blog, Senckenberg Museum (May 20, 2016)  
[http://www.senckenberg.de/root/index.php?page\\_id=5202&blogEntryID=439](http://www.senckenberg.de/root/index.php?page_id=5202&blogEntryID=439)
- "What is a biologist? / Was ist ein biologe?" Arachno-Blog, Senckenberg Museum (April 11, 2014)  
[http://www.senckenberg.de/root/index.php?page\\_id=5202&id=29&blogEntryID=334](http://www.senckenberg.de/root/index.php?page_id=5202&id=29&blogEntryID=334)
- "Historias de diversificación y extinción en Tepito O Te Henua" Chile Indómito magazine. December 2013. 8: 81-86.  
[https://issuu.com/jpharpe/docs/numero\\_8\\_def](https://issuu.com/jpharpe/docs/numero_8_def)
- "Field work after a mass extinction" California Academy of Sciences Blog (June 14, 2013)  
<http://www.calacademy.org/blogs/climate-change/field-work-after-a-mass-extinction>
- "Field work during a mass extinction" UCMP Blog (March 26, 2012)  
<http://ucmp.berkeley.edu/blog/archives/2668>
- "The eternal value of Natural History and the dazzling molecular promise" UCMP Blog. (November 23, 2011)  
<http://ucmp.berkeley.edu/blog/archives/2163>

- “El eterno valor de la historia natural y la encandilante promesa molecular” RedCiencia.cl (August 4, 2011)
- “Ciencia Básica VS Ciencia Aplicada: Una ilusión basada en la no comprensión” RedCiencia.cl (May 26, 2011)  
<http://encuentroliceolimache.blogspot.com/2011/05/ciencia-basica-vs-ciencia-aplicada-una.html>
- “¿Calentamiento global o cambio global?” Conexioniberoamerica.wordpress.com (Feb 26, 2010)  
<https://conexioniberoamerica.wordpress.com/2010/02/26/¿calentamiento-global-o-cambio-global>

#### *Educative posters*

- Arácnidos de la Isla del Coco, Costa Rica / Arachnids of Isla del Coco, Costa Rica (Cotoras D.D. and Viquez C.)
- A glimpse of the Biodiversity of UC Santa Cruz’s Empire Cave (Cotoras D.D. and Jones A.)  
<http://fieldguides.fieldmuseum.org/guides/guide/927>
- Arácnidos de la Isla Barro Colorado y alrededores, Panamá / Arachnids of Barro Colorado Island and surroundings, Panamá (Escalante I. and Cotoras D.D.)  
<http://fieldguides.fieldmuseum.org/guides/guide/873>
- Algunos arácnidos de la Estación Biológica La Selva, Costa Rica / Some arachnids of La Selva Biological Station, Costa Rica (Escalante I. and Cotoras D.D.)  
<http://fieldguides.fieldmuseum.org/guides/guide/875>
- Arácnidos de la Estación Biológica Las Cruces, Costa Rica / Arachnids of Las Cruces Biological Station, Costa Rica (Cotoras D.D. and Escalante I.)  
<http://fieldguides.fieldmuseum.org/guides/guide/874>
- La araña de cara feliz de Juan Fernández / The happy face spider of Juan Fernández (Cotoras D.D.)
- Native Hawaiian *Tetragnatha* spiders (Cotoras D.D.)  
<http://fieldguides.fieldmuseum.org/guides/guide/872>
- Arañas de Rapa Nui / Spiders of Rapa Nui (Cotoras D.D.)  
<http://fieldguides.fieldmuseum.org/guides/guide/871>

#### *Public presentations / Media Coverage*

- “Chilenos que se fueron lejos y llegaron lejos” Interviewed by Revista Capital (December 21st, 2017)  
<http://www.capital.cl/poder/2017/12/21/146454/darko-cotoras-california-eeuu>
- “Naturalist Night” Santa Cruz Museum of Natural History (September 28th, 2017)
- Seminar on board of Okeanos Agressor I -SCUBA diving vessel- (July 9th, 2017)
- Guide of lab tours for local High School students. Paleogenomics lab. UC Santa Cruz (2017)
- “Castaway Ghost Spiders Flew to Robinson Crusoe Island” Interviewed by National Geographic. (December 2nd, 2016)  
<http://news.nationalgeographic.com/2016/11/spiders-chile-ghost-robinson-crusoe/>
- “Lunch with a Scientist” Pacific Collegiate School. Santa Cruz, CA (December 1st, 2016)
- Interviewed by “The Graduate” KALX 90.7FM (October 20, 2015)  
<https://kalx.berkeley.edu/news/darko-cotoras-graduates>
- “Deux entomologistes américains à la recherche de nouvelles espèces polynésiennes” Interviewed by news paper Tahiti-Infos. (July 6, 2015)  
[http://www.tahiti-infos.com/Deux-entomologistes-americains-a-la-recherche-de-nouvelles-especies-polynesienes\\_a131375.html](http://www.tahiti-infos.com/Deux-entomologistes-americains-a-la-recherche-de-nouvelles-especies-polynesienes_a131375.html)
- Earth Update planetarium show at Night Life. California Academy of Sciences (July 3, 2014)
- Show insect displays at the Essig Museum for Cal Day -UC Berkeley open house- (2014-2011)
- Interviewed by “DESCARO” Chilean Skateboarding magazine (September 7, 2013)
- “Humedal Rano Kau. Manavai de Biodiversidad” Interviewee in documentary from Parque Nacional Rapa Nui  
<https://www.youtube.com/watch?v=tBSplAHqnTo&t=55s>
- “Dinner with a Scientist” Oakland Zoo, CA. (May 4, 2011; June 3, 2010)



#### 14.- Professional service

Invited reviewer for:

*Journals:* Molecular Phylogenetics and Evolution, Journal of Biogeography, Journal of the San Diego Natural History Museum, Animal Biology, Gayana and Pakistan Journal of Zoology.

*Funding agencies:* National Science Foundation (USA)

#### 15.- Professional societies

- The Linnean Society of London (*Foreign fellow*)
- Phi Beta Kappa Academic Honor Society
- Sigma Xi, The Scientific Research Society

#### 16.- Other interests

Skate, Surf, Bodyboard, Skimboard, Snowboard, Mountain bike, Mythology and Tropical ornamental fish



UPDATED: April 2018