

CARLOS GARCIA DE LEANIZ BSc, PhD

PERSONAL INFORMATION

Full Name: Carlos García de Leániz Caprile
DOB: 9-04-1960 (Madrid, Spain)

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EDUCATION

1990. PhD (Zoology). University of Aberdeen (Scotland, UK).
1984. Licenciatura en Biología. Universidad Complutense (Madrid, Spain)
1983. BSc (Biology, first class) University of Victoria (British Columbia, Canada).

EMPLOYMENT

Swansea University, Department of Biological Sciences, Swansea, UK
Oct 2009- present Associate Professor (Senior Lecturer)
Sep 2004- Oct 2009 Lecturer
Zoological Society of London, Institute of Zoology, London, UK
Mar – Sep 2004. Postdoctoral Researcher.
Regional Government of Cantabria, Spain (Agriculture & Fisheries)
Jun 1996 – Dec 2003. Director Centro Ictiológico de Arredondo, Cantabria (Spain)
Coordinator Cantabrian Salmon Restoration Programme
Regional Government of Galicia (Spain), Ministry of Environment,
1992-1996. Direction/Coordination Atlantic Salmon Restoration Programme.
Centro de Investigaciones Forestales de Lourizán.
Glasgow University, Zoology Department, UK
1990-1992. Post-doctoral Research Assistant (NERC grant)

MARKERS OF ESTEEM

Editorial work

Academic Editor *PLoS ONE*
Review Editor *Frontiers in Evolutionary and Population Genetics*

Refereeing

Science, Proceedings of the Royal Society B, Trends in Ecology & Evolution, Animal Behaviour, Animal Welfare, Aquaculture, Biological Conservation, Canadian Journal of Fisheries and Aquatic Sciences, Evolutionary Ecology, Journal of Animal Ecology, Molecular Ecology, and Heredity amongst many others

Grant Reviewing & Panels

EU (COST Programme)
Research Council, Norway
FONDECYT, Chile
National Academy of Science, Switzerland
Agencia Nacional de Evaluación y Prospectiva, Spain
NERC, UK (Member of Peer Review College since 2009)
DEFRA, UK
BBSRC, UK

PhD External Examiner

Universidad de Oviedo (Spain)
Universidad de Vigo (Spain, twice)
Universidad del País Vasco (Spain)

Curriculum Vitae (22-03-14)

Universidad Complutense de Madrid (Spain)
Université de Pau et des Pays de l'Adour (France)
University of East Anglia (UK)
External Programme Examiner
Marine Biology, University of Plymouth (UK) 2014-
Fellowships
2013 IKERBASQUE International Visiting Professor Fellowship (AZTI & University of the Basque Country, declined)

ADVISORY WORK

AEMS-Rios Con Vida (Spain - <http://riosconvida.es/>). Scientific Advisor, Salmon and trout conservation , 2004- present
Conservatoire National du Saumon Sauvage, CNSS (France - <http://www.saumon-sauvage.org/>).
Salmon Stocking, 2011-present.
Falkland Islands Environmental Planning (Falkland Islands - <http://www.epd.gov.fk/>). Protection of native galaxiid fishes, 2010-2012.
International Council for the Exploration of the Sea (ICES). Member of WGERAAS (Working Group on Effectiveness of Recovery Actions for Atlantic Salmon <http://www.ices.dk/community/groups/Pages/WGERAAS.aspx>), 2013-
Natural Resources Wales/Environment Agency (UK - <http://www.environment-agency.gov.uk/>).
Salmon and trout conservation , 2005-present

ADMINISTRATION & TEACHING

Chair of Ethics Committee, College of Science
Coordinator MSc Environmental Biology, Conservation and Resource Management
Biological Sciences representative in the College PG Committee
Erasmus and International Students Coordinator
Teaching on the following PG modules

- *Conservation of Aquatic Resources*
- *Science Skills & Research Methods*
- *Environmental Impact Assessment*

Post-Docs

- 1) Dr. Francisco Marco-Rius , (Swansea University) – 2014-
Salmonid Population Dynamics
- 2) Dr. Catalina Monzón Argüello, (Swansea University, Aberystwyth University, UK), 2011- 2013.
MHC variation in invasive salmonids. With Dr. Sofia Consuegra.
- 3) Dr. Scott Tompsett. (Swansea University, Aberystwyth University, UK), 2009- 2010. *EU-FP7 SALSEA MERGE*. With Dr. Sofia Consuegra.
- 4) Dr. Gianpaolo Zampicinni, (Swansea University, Aberystwyth University, UK), 2008- 2009.
EU-FP7 SALSEA MERGE. With Dr. Sofia Consuegra.
- 5) Dr. Kyle A. Young, (Universidad de los Lagos, Chile). 2007-2008. DEFRA Darwin Initiative -
Reducing the Impact of Exotic Aquaculture on Chilean Aquatic Biodiversity. With Dr. Gonzalo Gajardo.

PhD STUDENTS

- 1) Rebecca Stringwell (Swansea University, Swansea, UK), 2011- present. *Maternal Effects and Genetic Diversity in Juvenile Salmonids Reared for Conservation*. KESS-EAW
- 2) Gethin Thomas (Swansea University, Swansea, UK), 2007—2011. *Conservation Ecology of the Endangered Freshwater Pearl Mussel, Margaritifera margaritifera L.*
- 3) Laura Roberts (Swansea University, Swansea, UK). 2006 – 2010. *Improving the Survival and Fitness of Hatchery-reared Salmonids in Restoration Programmes*. NERC CASE-EAW– Cardiff Harbour Authority.
- 4) Delphine Vanhaecke (Aberystwyth University, UK), 2008- 2012. *Conservation Genetics of Native Galaxiid Fish Threatened by Invasive Salmonids in The Southern Hemisphere*. Co-supervisor with Dr Sofia Consuegra, Prof. Chris Thomas. Aberystwyth University- DEFRA Darwin Initiative - *Reducing the Impact of Exotic Aquaculture on Chilean Aquatic Biodiversity*.
- 5) Anthony Robson (Swansea University, Swansea, UK). 2006 – 2009. *Behavioural ecology of the blue mussel*. Co-supervisor with Prof. Rory Wilson. European Social Fund

Curriculum Vitae (22-03-14)

- 6) Kate Ciborowski (University of Reading, UK). 2003 - 2007. *Patterns of genetic variability during the decline of Iberian Atlantic salmon populations*. Co-supervisor with Dr. Bill Jordan, Dr. Sofia Consuegra, Prof. Mark Beaumont, Dr. Jing Wang. NERC CASE.

MRes STUDENTS

- 1) Elizabeth Price (Swansea University, Swansea, UK), 2012—2014. *The effects of predation threat on early development and behaviour in wild and hatchery salmon*.
- 2) Samantha Ward (Swansea University, Swansea, UK), 2012—2014. *SNP discovery in the endangered galaxiid *Aplochiton* sp.* DEFRA Darwin Initiative. With Dr. Sofia Consuegra
- 3) Alice Lown (Swansea University, Swansea, UK), 2011—2012. *Adaptive variation and local adaptations in brown trout*. KESS-EAW.
- 4) Catherine Gutmann-Roberts (Swansea University, Swansea, UK), 2011—2012. *Assessing the effects of using reconditioned kelts in Atlantic salmon restoration programmes*. KESS-EAW.
- 5) Dan Fowler (Swansea University, Swansea, UK), 2011—2013. *Spatial Distribution and Connectivity of Brown Trout (*Salmo trutta*) in the Falkland Islands*. DEFRA-Darwin Initiative *Protecting native galaxiids from salmonid invasions in Chile and the Falklands*.
- 6) Sarah Marburger (Swansea University, Swansea, UK), 2010—2011. *Linking River Connectivity with Genetic Variation of Brown Trout in Wales*. KESS-EAW
- 7) John Nolan (Swansea University, Swansea, UK), 2010—2011. *River Connectivity and Fragmentation of Brown Trout (*Salmo trutta*) populations in Wales: a stable isotope approach*. KESS-EAW
- 8) Courtney French (Swansea University, Swansea, UK), 2010—2011. *Informing the Management and Conservation of the Whelk (*Buccinum undatum*) Fishery in South Wales* KESS-WAG
- 9) Tamsin Shepherd-Waring (Swansea University, Swansea, UK), 2010—2011. *The Effects of Ocean Acidification on the Physiology and Behaviour of Calcifying Marine Invertebrates*.

MSc STUDENTS

- 1) Chloe Robinson (Swansea University, Swansea, UK), 2014- . *Assessing fish connectivity with molecular tags*. ATM-NRW/DCWW
- 2) Francesca Golding (Swansea University, Swansea, UK), 2014-. *Use of novel fish counters to study fish movements* NRW
- 3) Harriet Alvis (Swansea University, Swansea, UK), 2014- . *Using molecular tags for parentage assignment and for estimating the conservation status of Atlantic salmon in Wales* ATM-NRW. Co-supervised with Dr. Sofia Consuegra.
- 4) Rebecca Phillips . (Swansea University, Swansea, UK), 2014-. *Using molecular tags for parentage assignment and for estimating the conservation status of Atlantic salmon in Wales* ATM-NRW. Co-supervised with Dr. Sofia Consuegra.
- 5) Charlie Stutchbury (Swansea University, Swansea, UK), 2012-2013. *Phenotypic convergence in stocked salmon following release into the wild - changes in fluctuating asymmetry*
- 6) Alexandra Lock (Swansea University, Swansea, UK), 2012-2013. *Use of isotopic signatures to distinguish between wild and stocked juvenile Atlantic salmon*
- 7) Mark McLoughlin (Swansea University, Swansea, UK), 2011-2012. *Assessment of Habitat Improvement Programmes in Salmonid Streams*. ATM-EAW
- 8) Samantha Lintern (Swansea University, Swansea, UK), 2009-2010. *Otter (*Lutra lutra*) Scent Marking Activity: Spatial Distribution, Habitat Selection, and Response to Unfamiliar Spraints*.
- 9) Nia Phillips (Aberystwyth University, Aberystwyth, UK), 2008-2009. *The Genetics of Invasion of Rainbow Trout (*Oncorhynchus mykiss*) in the Southern Hemisphere*. Co-supervised with Dr. Sofia Consuegra.
- 10) Nicole Jenkins (Swansea University, Swansea, UK), 2008-2009. *Lowering the Rearing Density of Juvenile Atlantic Salmon can Produce Fitter Fish: Implications for Captive Breeding Programs*. EAW
- 11) Elgan John (Swansea University, Swansea, UK), 2008-2009. *The Discrimination of Farmed and Free-Living Salmonids, the Isotopic Changes of Escapees with Time at Liberty, Trophic Overlap with native Galaxiids and Piscivory utilising Scales and Stable Isotopes in Chile*. DEFRA Darwin Initiative - *Reducing the Impact of Exotic Aquaculture on Chilean Aquatic Biodiversity*.
- 12) Paul Howes (Swansea University, Swansea, UK), 2007-2008. *Predator Recognition of Invasive Salmonids by Native Galaxiids*. DEFRA Darwin Initiative - *Reducing the Impact of Exotic Aquaculture on Chilean Aquatic Biodiversity*.

Curriculum Vitae (22-03-14)

- 13) Rebecca Stringwell (Swansea University, Swansea, UK), 2007-2008. *The Effects of Domestication and Rearing Environment on the Phenotypic Traits of Juvenile Atlantic Salmon (Salmo salar)*. EAW
- 14) Paul Halsall (Swansea University, Swansea, UK), 2007-2008. *The Prevalence of Sexually Dimorphic Effects in Fish*.
- 15) Ailish McGarry (Swansea University, Swansea, UK), 2006-2008. *Historical Trends in Water Quality of The River Llynfi (S. Wales): Performance of Different Biomonitoring Methods*. EAW
- 16) Alex Harold (Swansea University, Swansea, UK), 2006-2007. *Determinants of Sexual Dimorphism in Fishes*.
- 17) Ann Rees (Swansea University, Swansea, UK), 2006-2007. *Determinants of Establishment Success among Non-Native Fish*. DEFRA Darwin Initiative - *Reducing the Impact of Exotic Aquaculture on Chilean Aquatic Biodiversity*
- 18) Benjamin Perry (Swansea University, Swansea, UK), 2006-2007. *Effects of Non-Native Salmonids on Native Fish Fauna in Chile and the Falkland Islands*. DEFRA Darwin Initiative - *Reducing the Impact of Exotic Aquaculture on Chilean Aquatic Biodiversity*.
- 19) Gavin Edwards (Swansea University, Swansea, UK), 2006-2007. *Photo-Identification of the Intertidal Shanny, Lipophrys pholis (L.), Using Unique Melanophore Constellations*.
- 20) Claire Perry (Swansea University, Swansea, UK), 2005-2006. *Evaluation of the Behaviour of Rehabilitated House Martins*.
- 21) Eleanor Kennedy (Swansea University, Swansea, UK), 2005-2006. *An Experimental Approach to the Culture of the Endangered Freshwater Pearl Mussel (Margaritifera margaritifera) (L.): Nutritional and Environmental Requirements of Adult and Juvenile Mussels for Conservation and Restoration Purposes*. EAW
- 22) Michael Hickman (Swansea University, Swansea, UK), 2005-2006. *Behavioural Responses to Hatchery-Reared Juvenile Atlantic Salmon (Salmo salar) to Chemical Cues of a Top Mammalian Predator, The European Otter (Lutra lutra): Possibilities for Improving Salmonid Stock Enhancement*. EAW
- 23) Katie Clements (Swansea University, Swansea, UK), 2005-2006. *An Experimental Assessment of Growth and Mortality of the Edible Cockle (Cerastoderma edule) in the Burry Inlet (South Wales): Density-Dependent Effects and Implications for Aquaculture-Based Fisheries*.
- 24) Kimberley Bate (Swansea University, Swansea, UK), 2005-2006. *Using Historical Scales from Rivers in Northern Spain to Explore the Possible Influences of Temperature and Over-Exploitation on Age and Growth of Atlantic Salmon (S. salar)*.
- 25) Gibson Yadunda Mphepo (Swansea University, Swansea, UK), 2004-2005. *The Effects of Collaborative Wildlife Management on Attitudes and Conservation Awareness: The Case of Nyika National Park, Malawi*.

VISITORS COLLABORATING IN MY LABORATORY

- 1) Rodrigo Martinez, BSc (Universidad de la Laguna, Spain)- 2014
Fish Parentage assignment
- 2) Nestor Sanchez, BSc (Universidad de la Laguna, Spain) – 2013
Fish welfare
- 3) David Izquierdo, PhD student (Universidad de Alicante, Spain), 2013. *Altered trophic webs from fish farming*
- 4) Florent Bourlette, MSc student (Université Blaise Pascal, France). 2012. *Scale growth patterns of invasive trout*
- 5) Pablo Turrero, PhD student (Universidad de Oviedo, Spain). 2011. *Morphological variation and identification of salmonid vertebrae*
- 6) Francisco Marco-Rius, PhD student (Universidad de Vigo, Spain). 2010, 2011, 2012.
Compensatory growth in sea trout
- 7) Kilian Toledo-Güedes, PhD student (Universidad de la Laguna, Spain). 2009. *Isotopic and morphological identification of seabass escapees*
- 8) Ibon Tobes, MSc student (Universidad de Navarra, Spain). 2009. *Automatic analysis of brown trout scales*.
- 9) José Sanzana, MSc student (Universidad de Los Lagos, Chile). 2009. *Reducing the Impact of Exotic Aquaculture on Chilean Aquatic Biodiversity*.
- 10) Dr. Anna Kuparinen (University of Helsinki, Finland). 2008. *Growth history perspective on the decreasing age and size at maturation of exploited Atlantic salmon*

RESEARCH GRANTS (since 2000)

- 2010-2012. PI. Protecting native galaxiids from salmonid invasions in Chile and the Falklands. (DEFRA, UK - £ 179,920)
- 2008-2011. Co-I- SALSEA-MERGE FP7. (€ 156,354)
- 2007-2008. PI. Conservation strategies for Falkland Islands freshwater fish biodiversity (DEFRA, UK - £2,962)
- 2006-2009. PI. Reducing the Impact of Exotic Aquaculture on Chilean Aquatic Biodiversity. (DEFRA, UK.- £193,844).
2007. Co-PI. Use of microsatellite genetic markers to evaluate the effectiveness of stocking early stage salmon fry in the upper Welsh Dee: a pilot study (The Environment Agency, UK – £5,800)
- 2006 – 2007. Co-investigator. Using infrared counters to monitor the Eurasian otter (Mammals Trust, UK - £25,000)
- 2006 – 2007. Co-PI. The importance of sexual selection and sperm competition for salmonid stock enhancement. (The Atlantic Salmon Trust, UK – £6,424)
2006. PI. Assessing the abundance and spawning migrations of Atlantic Salmon and Sea Trout with the aid of infra-red Vaki counters. (The Middle Dee Group, £3,182)
2006. Co-PI. MHC diversity and parasite resistance in wild and domesticated Atlantic salmon. (The Fisheries Society of the British Isles - £4,800)
2006. PI. Detecting fisheries-induced selection in exploited Atlantic salmon populations. (European Science Foundation, CONGEN program, Short Travel Grant - £711).
- 2004 – 2005. PI. Scope and potential of microsatellite DNA markers for Genetic Stock Identification (GSI) of Atlantic salmon populations in mixed-stock fisheries. (The Atlantic Salmon Trust, UK – £8,635)
- 2001-2004. Co-PI. Biomonitoring of the Conservation Status of Freshwater Ecosystems in Cantabria: Anthropogenic Disturbances and Effects of Climatic Change". (Fundación Marcelino Botín, Spain).
- 2001-2003. Investigator. Review of Genetic Studies on Atlantic Salmon to Increase Understanding and Improve the Effectiveness of Wild Stock Conservation and Rebuilding Programmes in Europe" (EU Project, SALGEN, Q5AM-2000-0020).
- 2001-2003. Investigator. Reducing the Conflict between Cormorants and Fisheries on a pan-European Scale" (EU Project, REDCAFE, Q5CA-2000-31387).
- 2000-2003. PI. Reintroduction of the Otter (*Lutra lutra*) in Western Cantabria: Viability Study and possible Effects upon Salmonids". (Gobierno de Cantabria, Consejería de Ganadería, Agricultura y Pesca, Spain).
- 2001-2002. Co-PI. Mitochondrial DNA variation in Atlantic Salmon and Brown Trout in the river Bidasoa". (Gobierno de Navarra, Dirección General de Medio Ambiente, Spain).
- 1998-2000. Co-PI. Genetic and Ecological Analysis of Salmonid Bone Remains from the El Mirón Cave (Alto Asón) ". (Gobierno de Cantabria, Consejería de Ganadería, Agricultura y Pesca, Spain).

PUBLICATIONS

ISI Research ID: B-4396-2011. H-index = 19 (Google Scholar)

Citations = 1,380 <http://scholar.google.com.au/citations?user=HJK5CzYAAAAAJ&hl=en>

Other metrics

Academia.edu: 13,199 document views <https://swansea.academia.edu/CarlosGarciaDeLeaniz>

Research Gate: 2,679 downloads, 123.03 Impact Points, 30.36 RG Score

https://www.researchgate.net/profile/Carlos_Garcia_de_Leaniz/?ev=hdr_xprf

Peer Reviewed Journals

- Monzón-Argüello, C.; **García de Leaniz, C.**; Gajardo, G. & Consuegra, S. (2013). Less can be more: loss of MHC functional diversity can reflect adaptation to novel conditions during fish invasions. *Ecology & Evolution* (in press). doi: 10.1002/ece3.701
- Marco-Rius, F.; Caballero, P.; Morán, P. & **García de Leaniz, C.** (2013). Can migrants escape from density-dependence? *Ecology & Evolution* (in press)
- Marco-Rius, F.; Caballero, P.; Morán, P. & **García de Leaniz, C.** (2013). Mixed-effects modelling of scale growth profiles predicts the occurrence of early and late fish migrants. *PLoS ONE* **8**(4): e61744. doi: 10.1371/journal.pone.0061744

- Thomas, G. R.: Taylor, J. & **Garcia de Leaniz, C.** (2013). Does the parasitic freshwater pearl mussel *M. margaritifera* harm its host? *Hydrobiologia* (in press) . doi: 10.1007/s10750-013-1515-8
- Ellison, A.; **Garcia de Leaniz, C.** & Consuegra, S. (2013). Inbred and furious: negative association between aggression and genetic diversity in a highly inbred fish. *Molecular Ecology* **22**: 2292–2300. doi: 10.1111/mec.12238.
- Karlsson, S; Hagen, M.; Eriksen, L.; Hindar, K.; Jensen, A.J.; **Garcia de Leaniz, C.**; Cotter, D.; Guðbergsson, G.; Kahilainen, K. ; Guðjónsson, S; Romakkaniemi, A. & Ryman, N. (2013). A genetic marker for the maternal identification of Atlantic salmon x brown trout hybrids. *Conservation Genetics Resources* **5**: 47-49. doi:10.1007/s12686-012-9730-6
- Marco-Rius, F.; Caballero, P.; Morán, P.; **Garcia de Leaniz, C.** (2012). And the last shall be first: heterochrony and compensatory marine growth in sea trout (*Salmo trutta*). *PLoS ONE* **7**(10): e45528. doi:10.1371/journal.pone.0045528.
- Verspoor, E.; Consuegra, S.; Fridjonsson, O.; Hjørleifsdóttir, S.; Knox, D.; Olafsson, K.; Tompsett, S.; Wennevik, V.; **Garcia de Leaniz, C.** (2012). Regional mtDNA SNP differentiation in European Atlantic salmon (*Salmo salar*): an assessment of potential utility for determination of natal origin. *ICES Journal of Marine Science* **69**: 1625-1636. doi: 10.1093/icesjms/fss029 10.1093/icesjms/fss029
- Vanhaecke, D.; **Garcia de Leaniz, C.**; Gajardo, G.; Thomas, C.J.; Consuegra, S. (2012). Metapopulation dynamics of a diadromous galaxiid fish and potential effects of salmonid aquaculture. *Freshwater Biology* **57**: 1241-1252.
- Vanhaecke, D.; **Garcia de Leaniz, C.**; Gajardo, G.; Young, K.; Sanzana, J.; Orellana, G.; Fowler, D.; Howes, P.; Monzon-Arguello, C.; Consuegra, S. (2012). DNA barcoding and microsatellites help species delimitation and hybrid identification in endangered galaxiid fishes. *PLoS ONE* **7** (3): e32939.
- Garcia de Leaniz, C.** (2011). Obituary. William Crozier Jordan (Bill) 1962-2011. *Journal of Fish Biology* **79**: 1098-1093.
- Roberts, L. J. & **Garcia de Leaniz, C.** (2011). Something smells fishy: predator-naïve salmon use diet cues, not kairomones, to recognise a sympatric mammalian predator. *Animal Behaviour* **82**: 619-625.
- Consuegra, S., Phillips, N., Gajardo, G., & **Garcia de Leaniz, C.** (2011). Winning the invasion roulette: escapes from fish farms increase admixture and facilitate establishment of non-native rainbow trout. *Evolutionary Applications* **4**: 660-671.
- Roberts, L. J., Taylor, J., & **Garcia de Leaniz, C.** (2011). Environmental enrichment reduces maladaptive risk-taking behavior in salmon reared for conservation. *Biological Conservation*. **144**, 1972-1979.
- Ellis, J. S., Gilbey, J., Balstad, T., Cherbonnel, C., Consuegra, S., Coughlan, J., Cross, T. F., Crozier, W., Dillane, E., Ensing, D., **García de Leániz, C.**, Garcia-Vazquez, E., Griffiths, A. M., Hindar, K., Hjørleifsdóttir, S., Knox, D., Machado-Schiaffino, G., McGinnity, P., Meldrup, D., Nielsen, E. E., Primmer, C. R., Prodöhl, P., Vähä, J.-P., Verspoor, E., Wennevik, V., & Stevens, J. R. (2011). Microsatellite standardization and genotyping error in a large multi-partner research programme for conservation of Atlantic salmon (*Salmo salar* L.). *Genetica* **139**: 353-367.
- Fridjonsson, O., Tompsett, S., Olafsson, K., Bjornsdóttir, S., Consuegra, S., Knox, D., **Garcia de Leaniz, C.**, Magnusdóttir, S., Olafsdóttir, G., Verspoor, E., & Hjørleifsdóttir, S. (2011). Detection and mapping of mtDNA SNPs in Atlantic salmon using high throughput DNA sequencing. *BMC Genomics* **12**: 179.
- Schröder, V. & **Garcia de Leaniz, C.** (2011). Discrimination between farmed and free-living invasive salmonids in Chilean Patagonia using stable isotope analysis. *Biological Invasions* **13**: 203-213.
- Vanhaecke, D., Allainguillaume, J., Croxford, A., **Garcia de Leaniz, C.**, & Consuegra, S. (2011). Development of 13 microsatellite markers for the threatened galaxiid fish *Aplochiton zebra* (Jenyns, 1842). *Molecular Ecology Resources* **11**: 219-222.
- Garcia de Leaniz, C.**, Gajardo, G., & Consuegra, S. (2010). From Best to Pest: changing perspectives on the impact of exotic salmonids in the Southern Hemisphere. *Systematics and Biodiversity* **8**: 447-459.
- Kuparinen, A., Tufto, J., Consuegra, S., Hindar, K., Merilä, J., & **Garcia de Leaniz, C.** (2010). Effective size of an Atlantic salmon (*Salmo salar* L.) metapopulation in Northern Spain. *Cons. Genetics* **11**: 1559-1565.
- Robson, A. A., **Garcia de Leaniz, C.**, Wilson, R. P., & Halsey, L. G. (2010). Effect of anthropogenic feeding regimes on activity rhythms of laboratory mussels exposed to natural light. *Hydrobiologia* **655**: 197-204.

- Robson, A. A., **García de Leaniz, C.**, Wilson, R. P., & Halsey, L. G. (2010). Behavioural adaptations of mussels to varying levels of food availability and predation risk. *Journal of Molluscan Studies* **76**: 348-353.
- Thomas, G. R., Taylor, J., & **García de Leániz, C.** (2010). Captive breeding of the endangered freshwater pearl mussel, *Margaritifera margaritifera* (L.). *Endangered Species Research* **12**: 1-9.
- Young, K. A., Dunham, J. B., Stephenson, J. F., Terreau, A., Thailly, A. F., Gajardo, G., & **García de Leaniz, C.** (2010). A trial of two trouts: comparing the impacts of rainbow and brown trout on a native galaxiid. *Animal Conservation* **13**: 399-410.
- Kuparinen, A., **García de Leaniz, C.**, Consuegra, S., & Merilä, J. (2009). Growth history perspective on the decreasing age and size at maturation of exploited Atlantic salmon. *Mar. Ecol. Prog. Ser.* **376**: 245-252.
- Roberts, L. J., Forman, D. W., Taylor, J., Gough, P. J., & **García de Leániz, C.** (2009). Night stocking facilitates nocturnal migration of hatchery-reared Atlantic salmon smolts (*Salmo salar*). *Fish. Mgmt. Ecol.* **16**: 10-13.
- Robson, A. A., Thomas, G. R., **García de Leaniz, C.**, & Wilson, R. P. (2009). Valve gape and exhalant pumping in bivalves: optimization of measurement. *Aquatic Biology* **6**: 191-200.
- Young, K. A., Stephenson, J., Terreau, A., Thailly, A. F., Gajardo, G., & **García de Leaniz, C.** (2009). The diversity of juvenile salmonids does not affect their competitive impact on a native galaxiid. *Biological Invasions* **11**: 1955-1961.
- Consuegra, S. & **García de Leániz, C.** (2008). MHC-mediated mate choice increases parasite resistance in salmon. *Proc. Roy. Soc. Lond. (B)* **275**: 1397-1403.
- García de Leániz, C.** (2008). Weir removal in salmonid streams: implications, challenges and practicalities. *Hydrobiologia* **609**: 83-96.
- Ciborowski, K. L., Consuegra, S., **García de Leániz, C.**, Beaumont, M. A., Wang, J., & Jordan, W. C. (2007). Rare and fleeting: an example of interspecific recombination in animal mitochondrial DNA. *Biology Letters* **3**: 554-557.
- Ciborowski, K. L., Consuegra, S., **García de Leániz, C.**, Wang, J., Beaumont, M. A., & Jordan, W. C. (2007). Stocking may increase mitochondrial DNA diversity but fails to halt the decline of endangered Atlantic salmon populations. *Cons. Genetics* **8**: 1355-1367.
- Consuegra, S. & **García de Leániz, C.** (2007). Fluctuating sex ratios, but no sex-biased dispersal, in a promiscuous fish. *Evolutionary Ecology* **21**: 229-245.
- García de Leaniz, C.**, et al (2007). A critical review of adaptive genetic variation in Atlantic salmon: implications for conservation. *Biol. Rev.* **82**: 173-211.
- Robson, A., Wilson, R., & **García de Leaniz, C.** (2007). Mussels flexing their muscles: a new method for quantifying bivalve behaviour. *Mar. Biol.* **151**: 1195-1204.
- García de Leaniz, C.**, Forman, D. W., Davies, S., & Thomson, A. (2006). Non-intrusive monitoring of otters (*Lutra lutra*) using infrared technology. *J. Zool. (Lond.)* **270**: 577-584.
- Consuegra, S., **García de Leániz, C.**, Serdio, A., & Verspoor, E. (2005). Selective exploitation of early running fish may induce genetic and phenotypic changes in Atlantic salmon. *J. Fish Biol.* **67**: 130-146.
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