

POSTDOCTORAL RESEARCHER

Forschung und Technologiezentrum Westküste Der Christian-Albrecht-Universität zu Kiel

■ lerma@ftz-west.uni-kiel.de | ★ www.miriam-lerma.com

Research interest_

Grupo de Ecología y Conservación de Islas A.C.

• Monitoring Eradication of Invasive Mammals: Farallón de San Ignacio and San Pedro Martir Islands

• My research interest include ecology, conservation, physiology and ecotoxicology.

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Doctoral studies	2015-20
Christian-Albrecht-Universität zu Kiel	Kiel, Germany
Master in Science in Marine Biology	2011-13
Universidad Nacional Autonoma de México	Mazatlan, Mexico
Bachelor in Science in Biology	2005-09
Universidad de Guadalajara	Guadalajara, Mexico
Work experience	
Research associate	2021
Dachverband Deutscher Avifaunisten	
Project: MarBird	
Postdoc researcher	2021
Forschung und Technologiezentrum Westküste	
Project: TopMarine	
Field technician	2015
FONDO NOROESTE AC (CIVIL ASSOCIATION) • Project: Composition, abundance and habitat use of birds on shrimp farms on Bahia de Santa Maria, Sinaloa	
Field technician	2014
CONANP (National Commission of Natural Protected Areas)	
Project: Biological monitoring on Natural Protected Areas (PROMOBI 2014) (focused on Shorebirds)	
Field technician	2014
CONANP (NATIONAL COMMISSION OF NATURAL PROTECTED AREAS)	
Project: Conservation of Species on Risk (PROCER 2014) (focused on American Oystercatcher)	
Advisor	2014
UNAM-FONATUR (NATIONAL AUTONOMOUS UNIVERSITY OF MEXICO- NATIONAL TRUST FUND FOR TOURISM DEVELOPMENT)	
Subproject: Fauna monitoring on project CIP Pacific Coast on Escuinapa, Sinaloa	
Instructor SONAND ISS (Newson Commence of Newson December 1)	2014
CONANP-IGC (NATIONAL COMMISSION OF NATURAL PROTECTED AREAS-GULF OF CALIFORNIA ISLANDS) • Course:Introduction to studies on birds	
Field technician	2012
Sonoran Joint Venture (Binational Bird Conservation)	2012
 Project: Monitoring seabirds in Santa Maria Bay, Sinaloa: Population size, nesting habitat, reproductive success and diet 	
Field technician	2012
CONACYT (NATIONAL COUNCIL ON SCIENCE AND TECHNOLOGY)	2012
Project: Seabirds as environmental indicators in coastal systems of economic importance	
Field technician	2012

Field technician

FONDO MEXICANO DE CONSERVACIÓN DE LA NATURALEZA

2010

Project: Ecological and Ecotoxicological monitoring of the Seabird community of Santa Maria Bay: establishing base lines for the use of bioindicators in decisions of environmental management, Sinaloa

Technical assistant 2009

RESOURCES FROM BASIC SCIENCE RESEARCH SEP-CONACYT AND PAPIIT

· Project: Morphologic, isotopic and genetic characterization of Calidris mauri in the Northwest of México

Education intern 2009

PRONATURA RIVER OF RAPTORS, CARDEL, VERACRUZ

• Orientation to school groups, local people, and visitors

Technical assistant 200

DUCKS UNLIMITED DE MÉXICO (BINATIONAL BIRD CONSERVATION)

• Project: Evaluation of the waterbird community in rehabilitated mangroves sites

Collaborator 200

University of Guadalajara

· Course: Introduction to the study of birds

Peer-reviewed publications _____

Nutritional state variations in a tropical seabird throughout its breeding season

LERMA M, DEHNHARD N, CASTILLO-GUERRERO A, FERNANDEZ GJ Comp Phy B

Breeding stage, not sex, affects foraging characteristics in masked boobies at Rapa Nui

2020

Lerma M, Dehnhard N, Luna-Jorquera G, Voigt CC, Garthe S

Beh Ecol Soc 74: 149

Foraging ranges of Humboldt penguins *Spheniscus humboldti* from Tilgo Island: the critical need for protecting a unique marine habitat.

Quispe R, **Lerma M**, Luna N, Portflitt-Toro M, Serratosa J, Luna-Jorquera G

Mar Ornithol 48: 205

2020

2017

2017

Mar Riol 167: 88

Foraging ecology of a marine top predator in the Eastern Tropical Pacific over 3 years with different ENSO phases

Lerma M, Castillo-Guerrero JA, Hernandez-Vazquez S, Garthe S

Zinc concentrations in Blue-footed booby (Sula nebouxii) eggs, nestlings, and adults

LERMA M, CASTILLO-GUERRERO J.A., GARCIA-HERNANDEZ J, FERNANDEZ G

J Sea Research 165: 101952

Foraging ecology of masked boobies (Sula dactylatra) in the world's largest 'oceanic

desert'

LERMA, M, SERRATOSA J, LUNA-JORQUERA G, GARTHE S

Mar Biol 167: 87

Non-Breeding Distribution, Abundance, and Roosting Habitat Use of the American Oystercatcher (*Haematopus palliatus frazari*) in Sinaloa, Mexico

LERMA M, CASTILLO-GUERRERO JA, PALACIOS E

Waterbirds 40: 95-103

Lead, cadmium and mercury in the blood of the blue-footed booby (Sula nebouxii) from the coast of Sinaloa, Gulf of California, Mexico

Lerma M, Castillo-Guerrero JA, Ruelas-Inzunza J, Fernandez, G

Mar Poll Bull 110: 293-298

Environmentally-mediated flexible foraging strategies in Brown Boobies in the Gulf of California

Castillo-Guerrero JA, **Lerma M**, Mellink E, Suazo-Guillén E, Peñaloza-Padilla EA

Ardea 104: 33-57

Conferences _____

2021	7th Annual Bio-Logging Science Symposium	Virtual-Hawaii
2018	Pacific Seabird Group 45th Meeting	La Paz, Mexico
2017	VI Reunión Internacional de Investigadores del Archipiélago Revillagigedo	Colima, México
2017	41th Waterbirds 2017	Reykjavik, Iceland
2015	Waterbirds 2015: Challenges and Responses	Bar Harbor, Maine
2013	Pacific Seabird Group 40th Annual Meeting.	Portland, US
2011	Congress for the study and conservation of the birds in Mexico	Mazatlán, Mexico

Tranings

From Zero to (s)Hero: Five-part introduction to R

R-Ladies Freiburg 2021/Jan-May

Young Entrepreneurs in Science

Falling Walls. Kiel, Germany 2021/Jun/1-3

Programación en R para estudios de biologging de vertebrados marinos y sus interacciones con la actividad pesquera en el Peru

Universidad Científica del Sur. Online, Peru 2020/Nov-2021/Feb

AniMove

Max Planck Institute. Radolfzell, Germany 2018/Sept/10-21

Basics in University Teaching

Integrated School of Ocean Sciences. Kiel, Germany 2018/Jul/16-17

International Summer School on Stable Isotopes in Animal Ecology

Centre for Stable Isotope Ecology. Berlin-Brandenburg, Germany 2016/Sep/12-16

GIS for Marine Sciences

Integrated School of Ocean Sciences. Kiel, Germany 2016/Jun/20

Analysis of univariate data sets - first steps in R

SPSS – Sigmaplot – QGIS Stable isotopes – Plasma

Integrated School of Ocean Sciences. Kiel, Germany 2016/Feb/8

Relevant skills_

ComputerR – SQL – Statistica –

- Git - Markdown

LaboratoryHeavy metal analyses –

metabolites analyses

Catching and handling wild animals – Sample

collection: extraction blood & feathers – Censing populations – Monitoring breeding

Fieldwork

success

Languages

Spanish (Mother tongue)
– English (TOEFL iBT 99)

- German (Basic-A2)