

# Giancarlo Helar Morón Correa

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## Research interests

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Fish stock assessment models, fish spatial dynamics, community ecology

## Education

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### Oregon State University, US

*Ph.D. in Ocean Ecology and Biogeochemistry. Minor in Statistics* 2018–present

*Thesis: Incorporating the impacts of climate variability on somatic growth in population dynamic models*

### National University of San Marcos, Peru

*M.S. (c) in Applied Mathematics.* 2015–2017

*Thesis: A functional approach to study cohort spatial distribution of the Peruvian anchovy (Engraulis ringens).*

### National University of San Marcos, Peru

*B.S. in Biological Sciences. Major in Fisheries.* 2009–2013

*Honors Thesis: Spatio-temporal analysis of the epipelagic biodiversity in the Peruvian sea.*

## Professional Experience

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### Scientific Member

*Cousteau Consultant Group* 2020–present

Leading research projects in fisheries sciences in Latin-america. Instructor.

### Graduate Research Assistant

*Oregon State University* 2018–present

Research in fisheries oceanography using data from the eastern Bering Sea.

### Researcher

*Marine Institute of Peru* 2014–2018

Population Dynamics and Stock Assessment Unit

## Conference presentations

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### UW: Quantitative Seminar Series

*U.S.* 2020

Impacts of temporal and spatial variability in somatic growth on fish stock assessment models.

### Ocean Sciences Meeting

*United States* 2020

Accounting for spatiotemporal variability in somatic growth in age composition data estimation for stock assessment models.

### International Symposium: Understanding changes in transitional areas of the Pacific

*Mexico* 2018

Identifying biogeographical transition zones and nekton assemblages in the northern Humboldt Current System.

### International Symposium: Drivers of dynamics of small pelagic fish resources

*Canada* 2017

Effects of ENSO phases on Peruvian anchovy aggregation patterns.

## Teaching Experience

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### Oregon State University, US

OC549: Data Fisheries Oceanography  
Teaching Assistant

2020

### National University of San Marcos, Peru

B01316: Biomathematics

2017–2018

Guest lecturer: An introduction to species competition models.

## Scientific Publications

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### Spatial and temporal variability in somatic growth in fisheries stock assessment ...

Correa GM., McGilliard C., Ciannelli L., y Fuentes C.  
ICES Journal of Marine Sciences

2021

### Improved estimation of age composition by accounting for spatiotemporal variability ...

Correa GM., Ciannelli L., Kotwicki S., Barnett L. and Fuentes C.

2020

Canadian Journal of Fisheries and Aquatic Sciences. Volume 77. Number 11. pp 1810-1821.

<https://doi.org/10.1139/cjfas-2020-0166>

### Temporal changes in mesoscale aggregations and spatial distribution scenarios ...

Morón G., Galloso P., Gutierrez D. and Torrejon-Magallanes J.

2019

Deep Sea Research Part II: Topical Studies in Oceanography. Volume 159. pp 75-83.

<https://doi.org/10.1016/j.dsr2.2018.11.009>

## Computer Skills

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**Basic:** ADMB

**Intermediate:** MATLAB, Microsoft Office

**Advanced:** R,  $\text{\LaTeX}$

## Languages

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**Spanish:** Native speaker

**English:** Advanced level

**Italian:** Intermediate level