Esteban Agudo

PhD student, University of North Carolina at Chapel Hill

PERSONAL DETAILS

Address	Bruno Lab Coker 342 University of North Carolina at Chapel Hill, 27599
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EDUCATION

PhD in Ecology, Evolution and Organismal Biology 2019-current
Department of Biology, UNC at Chapel Hill
Supervisor: John Bruno
Disertation topic: "Relationship between temperature and ecological interactions on Galapagos reefs"

Master in Biological Sciences 2017
Universidad Simón Bolívar, Venezuela
Supervisor: Aldo Croquer
Thesis Title: "Correlation between benthic characteristics and fish assemblages on coral reefs"

Licenciate in Biological Sciences 2010
Universidad Simón Bolívar, Venezuela
Supervisor: Eduardo Klein
Thesis Title: "Fish assemblages associated with different coral cover in the Central Coast of Venezuela"
Equivalent to a Bachelor degree with Honors as it requires the completion of 206 credits in courses and the submission of an independent and original research or thesis

PROFESSIONAL EXPERIENCE

Lab Manager Laboratorio de Ecología Experimental, Universidad Simón Bolívar
Supervisor: Dr. Aldo Croquer
2016-2019

Research Assistant Laboratorio de Ecología Experimental, Universidad Simón Bolívar
Supervisor: Prof. Juan Jose Cruz-Motta
2008-2010

TEACHING

Teaching Assistant UNC at Chapel Hill
Bio 101 Laboratory
2019-current

Teaching Assistant Universidad Simón Bolívar, Venezuela
Biology of organisms III Laboratory
2014-2015

Teaching Assistant Universidad Simón Bolívar, Venezuela
Biology of organisms II Laboratory

PUBLICATIONS

[1] E. Miyazawa, L. Montilla, E. Agudo-Adriani, A. Ascanio, G. Mariño Briceño, and A. Croquer. On the importance of spatial scale on beta diversity on coral assemblage: A case study from Venezuelan coral reefs. *PeerJ*, page e9082, 2020 [link].

[2] F. Cavada-Blanco, J. Cappelletto, E. Agudo-Adriani, S. Martinez, J. Rodriguez, and A. Croquer. Spatial scales matter when assessing the status of rare reef corals: a case study of *Dendrogyra cylindrus* in Los Roques Archipelago National Park. ***under preparation to be submitted to*** *Journal of Endangered Species*, 2020.

[3] I. Guzmán-Méndez, R. Rivera-Madrid, S. Planes, E. Boissin, A. Croquer, E. Agudo-Adriani, C. González-Gándara, H. Pérez-Espana, A. Giró-Petersen, J. Luque, M. García-Rivas, M. Aguilar-Espinosa, J. Arguelles, and J. Arias-Gonzalez. Genetic connectivity of Lionfish (*Pterois volitans*) in Marine Protected Areas of the Gulf of Mexico and Caribbean Sea. *Ecology and Evolution*, pages 1–12, 2019 [link].

[4] E. Agudo-Adriani, J. Cappelletto, F. Cavada-Blanco, and A. Croquer. Structural complexity and benthic cover explain reef-scale variability of fish assemblages in Los Roques National Park, Venezuela. *Frontiers in Marine Sciences*, 6:690–700, 2019 [link].

[5] J. Cappelletto, E. Agudo-Adriani, and R. Ramirez. Three-dimensional reconstructions generated from videos and images for morphometric applications. *Acta Biologica Venezuelica*, 37(2):121–139, 2017.

[6] E. Agudo-Adriani, J. Cappelletto, F. Cavada-Blanco, and A. Croquer. Colony geometry and structural complexity of the endangered species *Acropora cervicornis* partly explains the structure of their associated fish assemblage. *PeerJ*.

[7] A. Croquer, F. Cavada-Blanco, A. Zubillaga, E. Agudo-Adriani, and M. Sweet. Is *Acropora palmata* recovering? a case study in los roques national park, venezuela. *PeerJ*.

[8] E. Agudo and E. Klein-Salas. Lionfish abundance , size structure and spatial distribution along the Venezuelan coast (*Pterois volitans*, pteroinae: Scorpaenidae). *International Journal of Tropical Biology and Conservation*.

PEER REVIEWER

Environmental Biology of Fish, Revista de Biología Tropical

TECHNICAL REPORTS (LAST FIVE YEARS)

- (2018) A. Croquer, E. Agudo-Adriani et al. Venezuela Coral Reefs Monitoring Network. *Final Report*. Laboratorio Ecología Experimental. Funded by ROC, Waitt Institute. 25pp.
- (2016) F. Cavada-Blanco, A. Croquer, A. Villamizar, D. Arocha, E. Agudo, E. Villamizar, G. Gonzlez, H. Boadas, J. Naveda, JP. Rodrguez, N. Pellegrini, R. Snchez. A Survival Blueprint for the Pillar coral, Dendrogyra cylindrus. Compilation from the Workshop Strategic planning for the conservation and management of the Caribbean threatened species: *Dendrogyra cylindrus*, *Acropora palmata* and *A. cervicornis* and their habitat at Archipelago Los Roques National Park, South Caribbean. November 24th -28th 2015, Universidad Simon Bolivar, Caracas, Venezuela.

DIVULGATION AND OUTREACH

- (2019) Organizational Committee of the XI Meeting of the Venezuelan Ecological Society. Caracas, Venezuela
- (2018) Editorial Committee for Explora Magazine, Special Edition "Una Mirada al Soberbio Sur del Orinico, Implicaciones del Arco Minero" ("A look into the superb South of the Orinoco, Implication of the Minning Arc Project") [link]
- (2018) Organizational Committee of the First University Climate Changes Symposium: "Cambio Climatico en Venezuela, Ecosistemas, Mitigación y Adaptación (Climate Changes in Venezuela, Ecosystems, Mitigation and Adaptation). Universidad Simón Bolívar.

CONFERENCES AND MEETINGS (LAST FIVE YEARS)

39th Meeting of the Association of Marine Laboratories of the Caribbean 2019
Punta Cana, Dominican Republic
"Distribution patterns of reef fish highlight the importance of medium scale processes."
E. Agudo-Adriani, A. Ascanio, A. Croquer

Latin American and Caribbean Ocean Acidification Symposium 2019
Santa Marta, Colombia

X Meeting of the Venezuelan Ecological Society 2015
Margarita Island, Venezuela
"Structural complexity partly explain fish assamblage associated to *Acropora cervicornis*."
E. Agudo-Adriani, J. Cappelletto, F. Cavada-Blanco, A. Croquer

37th Meeting of the Association of Marine Laboratories of the Caribbean 2015
Curazao
"Geometry partially explains fish assemblage in *Acropora cervicornis*."
E. Agudo-Adriani, J. Cappelletto, F. Cavada-Blanco, A. Croquer

GRANTS

- (2020) The Henry Van Peters Wilson Memorial Fund for Marine Biology. Amount: $2000.
- (2020) Pre-dissertation Field Research Grant from the Institute for the Study of the Americas. Amount: $ 2000.

CURRENT MEMBERSHIPS

Society for Conservation Biology Since 2020

American Benthic Ecology Meeting Society Since 2020

Association of Marine Laboratories of the Caribbean (AMLC) Since 2013

Member of the Venezuelan Ecological Society (SVE) Since 2007
Secretary of the board since 2016

REFERENCES

Prof. John Bruno
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Prof. Aldo Croquer
Coral Manager TNC
Centro de Innovacin Marina
aldo.croquer@tnc.org

Prof. Eduardo Klein
Universidad Simón Bol'ivar
Laboratorio de Sensores Remotos
eklein@usb.ve

Dr. Francoise Cavada
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EDGE of Existence Programme, Global Conservation Programs
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