Jaime Mauricio Anaya-Rojas

Curriculum Vitae

Education

2012–current	**PhD Student in Ecology and Evolution**, *University of Bern*, Switzerland.
2010–2012	**Master of Science on Organismic Biology, Evolutionary Biology and Paleobiology (OEP)**, *University of Bonn*, Germany.
2003–2008	**Bachelor in Biology**, *Universidad Industrial de Santander*, Colombia.

Research Experience

Eco-evolutionary dynamics and aquatic ecology

2012–current	**Aquatic Ecology and FishEc**, *PhD student*, Swiss Federal Institute of Aquatic Research and Technology, Eawag.
	Investigating how ecology and evolutionary processes interact and affect aquatic ecosystems by using mesocosms and lab experiments

Evolutionary ecology and animal behavior

2010–2012	**Institute of Ecology and Evolutionary Biology**, *Master student and research assistant*, University of Bonn, Germany.
	Here I was part of Prof. Bakker group and I study how relatedness and social environment affect anti–predator behavior in a cichlid fish. Additionally, I work as a animal caretaker with sticklebacks

Population ecology and herpetology

2005–2008	**Vertebrate Reproductive Biology Lab**, *Bachelor student and research assistant*, Biology school of the Universidad Industrial de Santander, Colombia.
	Here I was part of Prof. Ramirez–Pinilla group and I investigated for the diet, habitat choice and reproductive biology of some species of tropical lizards

Computer skills

Basic	LaTeX, PERL
Intermediate	Linux, Prezi, Photoshop
Advanced	Statistics in R

Conferences

2011	Latin American Symposium Museum Koening, Bonn
2008	IX Latin American congress of Herpetology, La Habana (Cuba)
2008	VIII Latin American congress of Herpetology, La Habana (Cuba)

Languages

Spanish	**Mothertongue**	*Conversationally fluent*
English	**Advance**	*Writing and Conversationally*
German	**Basic**	*Basic words and phrases only*

Refereed Journal Publications

2015 — Hesse, Saskia, Jaime M. Anaya-Rojas, Joachim G. Frommen, and Timo ThÃijnken. "Social deprivation affects cooperative predator inspection in a cichlid fish." Royal Society Open Science 2, no.3: 140451.

2014 — Ramos-Pallares, Eliana, Jaime Mauricio Anaya-Rojas, VÃŋctor Hugo Serrano-Cardozo, and Martha Patricia RamÃŋrez-Pinilla. "Feeding and Reproductive Ecology of Bachia bicolor (Squamata: Gymnophthalmidae) in Urban Ecosystems from Colombia." Journal of Herpetology.

2010 — Anaya-Rojas, Jaime M., VÃŋctor H. Serrano-Cardozo, and Martha P. RamÃŋrez-Pinilla. "Diet, microhabitat use, and thermal preferences of Ptychoglossus bicolor (Squamata: Gymnophthalmidae) in an organic coffee shade plantation in Colombia." PapÃŏis Avulsos de Zoologia (SÃčo Paulo) 50, no.10: 159-166

Papers in Preparation

PhD

Title	*Effects of parasite and nutrient loading in the feeding behavior if Swiss sticklebacks*
Supervisors	Dr. Blake Matthews & Prof. Ole Seehausen
Description	this paper aims to understand how nutrient loading and parasite infections affect diet and performance of recently diverged stickleback species.
Title	*The role of environmental change and host-parasite co-evolution on eco–evo feedbacks*
Supervisors	Dr. Blake Matthews & Dr. Christopher Eizaguirre
Description	this paper aims to understand how environmental and parasite infections in recently diverged stickleback species distribute from genes to ecosystem effects.
Title	*Trait– mediated and density mediated effects by parasitize Swiss sticklebacks*
Supervisors	Dr. Blake Matthews, Dr. Rebecca Best & Prof. Ole Seehausen
Description	this paper aims to understand how parasite infections and host density can modify aquatic ecosystems.

Master thesis

Title	*Kinship reinforces cooperative behavior in a cichild fish*
Supervisors	Dr. Saskia Hesse & Dr. Thimo Thuenken
Description	this paper tested the effects on kinship in the cooperative antipredator behavior of *Pelvicachromis taeniatus*.

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Aquatic Ecology and Fish Ecology and Evolution, EAWAG