

# Ricardo S. P. Patiño

Av. del Ejército y Luis Urdaneta, Guayaquil, Ecuador  
ricardopalmabio@gmail.com

## Education

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October 2014-  
May 2020

Universidad Regional Amazónica Ikiám

Biotechnology B.S.

## Courses/Congress

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**Course:** Venomous animals: management (practical and theoretical), identification, accidents and poisons for the prospection of biopharmaceuticals. – Sao Pedro, Sao Paulo, Brasil.

**Course:** Strategies for valuing nature assets: the essential steps between the experimental findings and the drawing of business models- Sao Pedro, Sao Paulo, Brasil.

**Course:** Bioinformatics and Comparative Genomics – Ikiám- Tena – Ecuador

**Congress - Poster presentation -** Toxicological and proteomic stability of an ecuadorian *Bothrops atrox* snake venom collection. XV Congress of the Brazilian Society of Toxinology – Sao Paulo, Brasil.

**Congress - Poster presentation -** Comparative study of biochemical composition and enzymatic activity of *Bothrops atrox* venom. I International Congress of Biotechnology – Universidad de las Américas – Quito, Ecuador.

**Congress – Poster presentation-** Environmental education applied to the conservation of snakes: Perceptions of their identification in the Ecuadorian Amazon. XLIII National Biology Conference – Universidad Yachay – Urucuquí, Ecuador.

**Congress - Conference presentation -** Assessment of perception and knowledge about Genetically Modified Organisms (GMOs) in the community of the Ikiám Regional Amazonian University. XLIII National Biology Conference – Universidad Yachay – Urucuquí, Ecuador.

## Experience/ Extracurricular activities

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June 2017-  
February 2019

**Research-** Project director assistant, laboratory assistant- Evaluation of the antitumor and antibacterial activities of a library of peptides inspired by a crotalic toxin.- Ikiám

November  
2018-March  
2019

**Teaching assistant** – Biochemistry II– Biotechnology engineering - Ikiám

August 2018-  
October 2018

**Pre-professional practices - Laboratory Assistant -** Chromatography Laboratory - Centro Nacional de Acuicultura e Investigaciones Marinas (CENAIM)- Escuela Politécnica del Litoral

May 2019-  
December 2019

**Chief Editor assistant** – Technical check of articles and management of social networks - Neotropical Biodiversity (SCOPUS)

March 2019 – December 2019	<b>Researcher</b> - Proteomic and toxicological stability of a collection of Ecuadorian desiccated venoms- Ikiam- National Institute of Public Health Research
December 2019- February 2020	<b>Teaching assistant</b> – Enzimology and fermentative processes – Biotechnology engineering - Ikiam
March 2019- February 2020	<b>Researcher</b> - Evaluation of toxicological and biochemical variability of <i>Bothrops atrox</i> venoms from different Ecuadorian Amazon regions and its implication for antivenom treatments- Ikiam
October 2020- Present	<b>Research analyst</b> - Centro Nacional de Acuicultura e Investigaciones Marinas (CENAIM)- Escuela Politécnica del Litoral

## Grants and awards

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2020 Hamish Ogston Foundation Education Grants - £5000  
 Top downloaded paper 2018-2019 – Drug Development Research (WILEY)

## Research articles

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Almeida, J. R., Palacios, A. L., **Patiño, R. S.**, Mendes, B., Teixeira, C. A., Gomes, P., & da Silva, S. L. (2019). Harnessing snake venom phospholipases A2 to novel approaches for overcoming antibiotic resistance. *Drug development research*, 80(1), 68-85.

Bravo, M. E., **Patiño, R. S.** and Almeida, J. R. (2019), Ketone Body Metabolism: Love and Survival. *Biochem Mol Biol Educ*. doi:10.1002/bmb.21308

Almeida, J. R., Mendes, B., **Patiño, R. S.**, Pico, J., Laines, J., Terán, M., ... & da Silva, S. L. (2020). Assessing the stability of historical and desiccated snake venoms from a medically important Ecuadorian collection. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*, 108702.

### Works published in congress annals

**Patiño, R. S. P.**, Mendes, B., Zerna, J. M. P., Zavala, M. D. C. T., Aguilar, J. R. L., Villamizar, E. J. M., ... & De Almeida, J. R. (2019). Toxicological and proteomic stability of an ecuadorian *Bothrops atrox* snake venom collection. *Toxicon*, 168, S34-S35.

**Palma Patiño R.**, Salazar-Valenzuela David., Villamizar Evencio, Mogollón Noroska, Proaño-Bolaños Carolina & De Almeida José. (2019). Comparative study of biochemical composition and enzymatic activity of *Bothrops atrox* venom. 6381. 10.3390/mol2net-05-06381.

## Languages

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English

Upper intermediate