

# LUCIANA M. MOTTA

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## POSITIONS

Postdoctoral Researcher (2017- current). INIBIOMA – CONICET, Universidad Nacional del Comahue; CENAC, APN – CONICET, Bariloche, Argentina. *Impact of introduced ungulates in wetlands of northwestern Patagonia: synergy or antagonism?* Director: Dr. Mariano Rodriguez-Cabal.

Scientific Assistant (2007-2012). Program of Environmental Management and Tourism. National Antarctic Direction, Ministry of Foreign Affairs, Argentina. *Developing environmental guidelines for antarctic protected areas and environmental management of antarctic stations and tourism activities.* Director: Lic. Rodolfo Sánchez.

Research Scholar (2007). Behavioral Ecology and Acoustics Marine Laboratory, Dept. of Oceanography, Florida State University, USA. Director: Dr. Douglas P. Nowacek.

Assistant Expedition Leader & Lecturer (2007-2013). Summer cruises on board of the M.V. “Ushuaia” to the Antarctic Peninsula and South Georgia – Antarpply Expeditions ([www.antarpply.com](http://www.antarpply.com)).

Fieldwork Coordinator (2005-2006). Vida Silvestre Argentina – Aquamarina Foundation, Argentina. *Conservation Project “Bycatch reduction of the Franciscana dolphin (Pontoporia blainvillei) in BuenosAires coastal fishing fleet”.* Director: Lic. Pablo Bordino.

## EDUCATION

PhD. in Biological Sciences (2017). Departamento de Biodiversidad y Biología Experimental, Universidad de Buenos Aires, Argentina. CENAC, APN – CONICET. *Structure of chironomid assemblages (Insecta: Diptera) in altitudinal gradients: tools for studying climate and environmental changes.* Advisors: Dr. Julieta Massaferro and Dr. Adriana Ruggiero.

Licentiate in Biological Science (2006). Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina.

## SCIENTIFIC PUBLICATIONS

2018

**Motta, L.**, Mirghani, N., Cahill, S., Garmendia, A., Peñuelas, J. & Llimona, F. Meaningful excrements? *genetta genetta* latrines and its relationship with other vertebrates. (In preparation).

**Motta, L.**, Ruggiero, A., de Mendoza, G. & Massaferro, J. Global patterns of elevational variation in chironomid richness in mountain lakes. (In revision at *Insect Conservation and Biodiversity*).

Massaferro J., Araneda A. & **Motta L.** Diptera: Chironomidae. (2018) In: "Paleoindicadores Lacustres Neotropicales", pp. 235. ISSN: 978-3-510-47064-8. Editor: Instituto de Geología UNAM.

Quintana, F., Maidana, N., **Motta, L.** & Massaferro, J. (2018). Multiproxy response to climate- and human-driven changes in a remote lake of southern Patagonia (Laguna Las Vizcachas, Argentina) during the last 1.6 kyr. *Boletín de la Sociedad Geológica Mexicana*, 70: 173-186.

2017

Montes de Oca, F., **Motta, L.**, Plastani, M.S., Laprida, C., Lami, A. & Massaferro, J. (2017). Reconstructing recent environmental changes using non-biting midges (Diptera: Chironomidae) in two high mountain lakes from northern Patagonia, Argentina. *Journal of Paleolimnology*. DOI 10.1007/s10933-017-9957-z

2015

**Motta L.**, Paritsis J. & Alarcón P.A.E. (2015). Flying Steamer-duck (*Tachyeres Patachonicus*) egg found in a kelp gull (*Larus dominicanus*) nest in Northwestern patagonia. *Ornitología Neotropical*, 26: 113–116.

## INVITED PUBLICATIONS IN THE MEDIA

2014

Author of six articles for "Antarctica and the Arctic Circle: A Geographic Encyclopedia of the Earth's Polar Regions". ABC-CLIO. Editor: Andrew J. Hund.

2013

Aquatic Insects of Nahuel Huapi National Park, a tool for ecological and paleoenvironmental studies. *Naturaleza y Tecnología*, N° 53. ISSN 1853-6441. San Carlos Bariloche, Argentina.

2011

Seeing through hearing. In: "Antártida, descubriendo el último Continente" S. Arrébola y S. Jacobs. Editors: Vazquez-Mazzini.

2010

Author of short naturalism articles for local newspaper *El Chasqui de Mar las Pampas*. Villa Gessell, Buenos Aires. Editor: Juan Pablo Trombetta.

## SCHOLARSHIPS AND AWARDS

Postdoc Scholarship. National Scientific and Technical Research Council, CONICET. (2018 – 2020).

Doctorate Scholarship. National Scientific and Technical Research Council, CONICET. (2012 – 2017).

Global Fellow in Marine Conservation. Duke University Marine Lab – Nicholas School of Environment, Duke University, USA. (2008).

Wade Family Award. Duke University Marine Lab – Nicholas School of Environment, Duke University, USA. (2008).

## FIELD EXPERIENCE

2018

Camera trapping fieldwork in Collserola Natural Park, Barcelona. January-August 2018.

2016-2017

Tour Leader. Naturalist safari trips to South Africa, Botswana, Zimbabwe, Kenya and Tanzania ([www.terreslunyanes.com](http://www.terreslunyanes.com)).

2010-2011

Antarctic Campaign Delegate. Program of Environmental Management and Tourism, National Antarctic Direction, Argentina. Official Mission of cooperation on environmental management and scientific research with the Republic of Korea. Carlini Station (ARG) - King Sejong Station (KOR).

2009-2010

Antarctic Campaign Delegate. Program of Environmental Management and Tourism, National Antarctic Direction, Argentina. Official Mission of Self-inspection on environmental management in Carlini Station (ARG), King George Island (Isla 25 de Mayo).

2007-2015

Assistant Expedition Leader and Guide. Antarpplly Expeditions. On land and zodiac cruises in the Antarctic Peninsula and South Georgia ([www.antarpplly.com](http://www.antarpplly.com)).

2008

Boat driver and Foto-ID Technician. Florida State University, Department of Oceanography. Project “Abundance estimation of Bottlenose dolphin (*Tursiops truncatus*) population in the Florida Panhandle”. Director: Dr. Douglas P. Nowacek.

2005-2006

Radio telemetry technician. *Ad honorem* position, for “Radio-telemetry project of Franciscana Dolphin (*Pontoporia blainvillei*)”, Aquamarina Foundation, San Clement del Tuyú, Buenos Aires, Argentina.

2006

Training in capture-release techniques. “Mote Marine Lab” Sarasota, FL, United States. 10 days training in capture-release and in situ manipulation techniques of wild bottlenose dolphins (*Tursiops truncatus*). “Sarasota Dolphin Research Program”. Director: Dr. Randall Wells.

## TEACHING EXPERIENCE

2015

Teacher. "Scientists go to School"– Ministerio de Ciencia, Tecnología e Innovación Productiva de la Nación, Argentina. Educational program with high-school teachers and students, to show them how scientists design field trips and collect data.

2009-2012

Teacher. National Antarctic Direction and Antarctic Army Command, Argentina. Training course "Guidelines for the protection of the Antarctic Environment", addressed to technical and scientific staff destined to antarctic stations.

2011

Bilingual High School Teacher. "San Joaquin" Institute. Buenos Aires, Argentina. "Natural Science" course for second and third year students.

2002, 2006, 2008

Bilingual Teacher-Guide. Argentinean Museum of Natural Science "Bernardino Rivadavia", Buenos Aires. For elementary and high school students.

Bilingual Museum Guide. Argentinean Museum of Natural Science "Bernardino Rivadavia", Buenos Aires. For general public.

## CONFERENCE PRESENTATIONS

2018

**Motta, L.**, Mauad, M. & Massaferro, J. Chironomid functional diversity patterns: a study from Patagonia. IPA-IAL 2018 Joint Meeting: Unravelling the Past and Future of Lakes at Stockholm University June 18-21, 2018. Poster presentation.

2017

**Motta, L.**, Ruggiero, A. & Massaferro, J. Importance of site-specific variables other than temperature in shaping chironomid composition and distribution: implications for climate and environmental reconstructions. PAGES, 5th Open Science Meeting. Zaragoza, Spain. Poster presentation.

2015

Montes de Oca, F., Plastani, M.S., **Motta, L.** & Massaferro, J. Reconstructing trophic changes in two lakes located in Nahuel Huapi National Park, Patagonia Argentina using non-biting midges (Diptera: Chironomidae). ILIC 6. Abstract Volume. Sixth International Limnogeology Congress. Reno, Nevada. Poster presentation.

2014

Montes de Oca, F., Serra, M.N., **Motta, L.** & Massaferro, J. Structure of sub fossil chironomid assemblages of Nahuel Huapi National Park". Congreso Argentino de Limnología (CAL6). La Plata, Argentina. Poster presentation.

2012

**Motta, L.**, Plastani, M. S., Rogora, M., Montes de Oca, F., Serra, M.N. y Massaferro, J. Chemical Composition of lacustrine environments of Nahuel Huapi National Park. Congreso Argentino de Limnología (CAL5). Santa Fe, Argentina. Poster presentation.

2010

**Motta, L.** On the use of Guidelines for the designation of Antarctic Protected Areas. Working paper treated by the Committee of Environmental Protection. XXXIII Antarctic Consultative Meeting. Punta del Este, Uruguay.

2006

Bordino, P., Zapata, M.F., Asplanato, N., Berninsone, L., Caride, A., Echezarreta, A., Faura, S., Gonzalez Carman, V., Oberti, A., Fazio, A., Fidalgo, G. y **Motta, L.** Efforts to reduce bycatch of Franciscana dolphin (*Pontoporia blainvillei*) in fishing gillnets in Argentina. VI National Meeting of Ocean Sciences – XIV Oceanography Colloquium. Puerto Madryn, Argentina. Poster presentation.

2002

Gonzalez Carman, V., **Motta, L.**, Zapata, M.F y Castello H.P. Descripción de fetos de ballenas de la colección del MACN y Estimación de su tiempo de gestación. Congreso Solamac: 10<sup>a</sup> Reunión de Trabajo de Especialistas en Mamíferos Acuáticos de América del Sur, 2002. Valdivia, Chile. Poster presentation.

Zapata, M.F., **Motta, L.**, Gonzalez Carman, V. y Castello, H.P. Observaciones preliminares del desarrollo embrionario en franciscanas (*Pontoporia blainvillei*). Congreso Solamac: 10<sup>a</sup> Reunión de Trabajo de Especialistas en Mamíferos Acuáticos de América del Sur, 2002. Valdivia, Chile. Poster presentation.