



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type A post-doc fellowship

**Lorenzo Quaglietta**

**CURRICULUM VITAE**

## PERSONAL INFORMATION

Surname	Quaglietta
Name	Lorenzo
Date of birth	25/07/1978

## PRESENT OCCUPATION

Appointment	Structure
Researcher collaborator	CIBIO-InBIO
Customer service agent	EasyJet/WebHelp

## EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Natural Sciences	'Federico II' of Naples	2006
PhD	Animal Biology	'La Sapienza' of Rome	2012

## REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
2019	International Bio-Logging Society	
2018	Associação dos Cientistas e Investigadores Italianos em Portugal (HIPÁCIA)	



2015	Associazione Teriologica Italiana (ATIIt)	
2015	Sociedad Ibérica de Ictiología (SIBIC)	
2015	Sociedad Española para la Conservación y Estudio de los Mamíferos (SECEM)	
2008	IUCN SSC Otter Specialist Group	

FOREIGN LANGUAGES

Languages	level of knowledge
English	Advanced
Portuguese	Advanced
Spanish	Intermediate
French	Basic

TRAINING OR RESEARCH ACTIVITY

**FIELD EXPERIENCE/ACTIVITIES**

- **Carnivore/Mammals trapping, handling and tracking** (first to test a **GPS telemetry** system on **otters**), **camera trapping, direct observations, survey, trophic ecology** and **post mortem** analyses.
- **Survey** - coupled with species identification by non-invasive genetics - of other **semiaquatic vertebrates** (**Pyrenean desman, White-throat dipper, Water shrew, Water vole**), and **live-trapping, handling, tagging and telemetry** of **semiaquatic mammals**.
- **Sampling** of **fish** (by electrofishing gear, net gear and visual census) and other **aquatic organisms** (**Crustacea, Amphibians anurans, Reptiles**).
- **Fish marking, surgical implantation** of VHF transmitters and **radio-tracking**.

**REVIEWER FOR**

Mammal Review, Ecological Applications, Animal Conservation, Journal of Mammalogy, PLoS ONE, Ecological Indicators, Mammalian Biology, Hystrix - the Italian Journal of Mammalogy, Wildlife Society Bulletin, Royal Society Open Science, Journal of Nature Conservation, Aquatic Conservation,



Mammal Study, Intergovernmental Panel on Climate Change 2013/2014, Latin American Journal of Aquatic Mammals, IUCN Otter Specialist Group Bulletin.

### TEACHING EXPERIENCE

**Invited Lecture** "Field and Analytical Methods applied to Otters and other Aquatic and Semiaquatic Animals". Tribhuvan University, Institute of Forestry - Pokhara, Nepal. 2h.

**Trainer** of **primary school teachers** on **river ecosystem ecology** and **conservation** hired by [Ciência Viva](#) - Lisbon, Portugal. 16h.

**Instructor** of an advanced **course** in **Bio-logging** for CIBIO's Msc. students - Vairão, Portugal. 21h.

**Professor** of a **Parasitology II course** at the Center of Technical Education of Amazonia (CETAM) - Tefé, Amazonas, Brazil. 60h.

**Tutor** of a **course** in **Botany** for grad. students of Biological Sciences at University of Rome "La Sapienza" - Roma, Italy. 150h.

### OTHER RESEARCH ACTIVITIES

**Co-organizer** of the **III Himalayan Otter Network Meeting** of the IUCN Otter Specialist Group. Nepal.

**Consultant** on **otter ecology, camera trapping, trapping** and **tagging** for a project of the [Wildlife Conservation Trust](#) in Central India.

**Member** of the **Scientific Committee** of IUCN Otter Specialist Group's XII International Otter Congress. Rio de Janeiro, Brazil.

Member of **academic juries** (5 Msc and 2 Bsc theses).

**Scientific consultant** for a Portuguese project aimed at releasing orphaned otters into the wild in



collaboration with ICNF, Zoomarine, Évora University and CRASSA (Portugal) and a similar project in Italy.

## PROJECT ACTIVITY

Year	Project
2013-18	<p><b>Postdoctoral Researcher</b> at <a href="#">CIBIO</a> (Research Center in Biodiversity and Genetics Resources)/University of Porto, Portugal (currently collaborator).</p> <p><b>Development</b> and <b>coordination</b> of a <b>research</b> program on:</p> <ul style="list-style-type: none"><li>● <b>Distribution, ecology, landscape genetics</b> and <b>conservation</b> of the endangered <b>Pyrenean desman</b> <i>Galemys pyrenaicus</i></li><li>● Effects of <b>hydroelectric infrastructures</b> and other anthropogenic stressors on <b>semiaquatic mammals</b> population ecology and <b>freshwater habitat fragmentation</b></li></ul> <p>And developed a personal research line on <b>movement ecology</b> in <b>rivers</b> and other <b>heterogeneous landscapes</b>.</p>
2018-	<p><a href="#"><u>FRESHING - Next-generation biomonitoring: freshwater bioassessment and species conservation improved with metagenomics.</u></a></p>
2016-	<p><a href="#"><u>FRESHCO - Multiple implications of invasive species on Freshwater Mussel coextinction processes.</u></a></p>
2015-	<p><a href="#"><u>EnvMetaGen - Capacity Building at InBIO for Research and Innovation Using Environmental Metagenomics project</u></a> (H2020-WIDESPREAD-2014-2; Proj N° 668981).</p>
2013-2015	<p><a href="#"><u>Sabor-LTER - Sabor fragmentation experiment: understanding long-term ecological consequences of infrastructure development and compensatory mitigation.</u></a></p>
2012	<p><b>Aquatic mammal research</b> in the <b>Brazilian Amazon</b>, including visits to traditional riverine communities to assess human-Giant otter conflicts, Giant otter trapping trials and Giant otter and pink dolphin necropsies in projects of the <a href="#">Mamirauá Institute</a>, Tefé, Amazonas, Brazil.</p>
2008	<p>Patterns of habitat use by <b>fish</b> in <b>Mediterranean intermittent streams</b> and <b>Monitoring Program of water quality</b> and ecological status of the primary net of EFMA in projects of Prof <a href="#">M. Ilhéu</a> in Portugal.</p>
2007	<p><b>Mammal nocturnal counts</b> and <b>radio-tracking</b> in the Mediterranean Montado in projects of Prof <a href="#">A. Mira</a> in Portugal.</p>
2005	<p><b>Roe deed captures</b> in Mediterranean forests in a project of Prof <a href="#">S. Lovari</a> in Italy.</p>

## CONGRESSES AND SEMINARS



Date	Title	Place
	SEE ATTACHED LIST	

PUBLICATIONS SEE ATTACHED LIST

Books
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]

Articles in reviews
[title of the article, review, place, publishing house, year ...]
[title of the article, review, place, publishing house, year ...]
[title of the article, review, place, publishing house, year ...]

Congress proceedings
[title, structure, place, year]
[title, structure, place, year]
[title, structure, place, year]

OTHER INFORMATION

**POPULAR ARTICLES/INTERVIEWS**

- **Interviews on Pyrenean desman range contraction** in NE Portugal on various local & national press ('Público', 'Diário de Notícias', 'Wilder', 'Nordeste') and radio (rádio Brigantia):  
<https://www.publico.pt/2018/06/20/ciencia/noticia/toupeiradeagua-esta-a-desaparecer-do-nordeste-de-portugal-1835245>  
<https://www.dn.pt/sociedade/interior/toupeira-de-agua-ja-quase-nao-se-ve-em-portugal-9495284.html>  
<https://www.wilder.pt/historias/cinco-coisas-que-portugal-pode-fazer-para-salvar-a-toupeira-de-agua/>  
<http://www.jornalnordeste.com/noticia/populacao-da-toupeira-de-agua-diminuiu-drasticamente-nas-ultimas-duas-decadas>  
<https://www.brigantia.pt/noticia/biologos-recomendam-que-toupeira-de-agua-seja-considerada-como-uma-especie-amecada>



- A Pyrenean desman individual that I've captured was chosen to be the 8000th species photographed by [Joel Sartore](#) for his [PhotoArk project](#): see [National Geographic Society release](#).
- **Interview** and **report** on my PhD project in the first chapter of the book “**Lontras em Portugal**”, December 2008 (Eds. Caetano, P. & Ferreira, J.P.).
- **Interview** by a **Portuguese national TV** (SIC) for a program titled “Terra Alerta” (<http://www.sic.ueiou.pt/programasInformacao/scripts/videoplayer.aspx?ch=terraalerta&videoId={1E3A4B99-1828-4122-957C-5C8B2FA9C187}>).
- **Interview** by a **Portuguese national TV** (RTP) for a program titled “Biosfera” ([http://www.faroldeideias.com/arquivo\\_farol/video/Biosfera\\_255\\_Mortalidade\\_de\\_fauna\\_selvagem.flv](http://www.faroldeideias.com/arquivo_farol/video/Biosfera_255_Mortalidade_de_fauna_selvagem.flv)).
- **Interview** on my PhD project in: “Lontras na Mitra”, Ascenso, S. 2008. **Magazine** REVUE, Ano V, 9: 84-87, and UEONLINE (<http://www.ueline.uevora.pt/newsDetail.asp?channelId=EE2EF76E-CCF2-47FD-96A9-8DA6A990D4BC&contentId=099B8E78-16C1-458E-A157-632F0C9CA64E>).



## OTHER OUTREACH ACTIVITIES

Increasingly convinced of the importance of science outreach, I've been responsible for raising **awareness** and **environmental education** activities and **field excursions**, with students of primary and secondary schools (Salerno, Italy, 2005; Lisbon, Portugal, 2018) and with **Msc.** and **Bsc. students** and **general public** (Portugal, 2007, 2008 and presently). Some examples below.

Guide in a **Citizen Science** expedition focused on **Marine Biology** along the Tagus River's estuary, for the initiative "*Ciência no Verão*", hired by [Ciência Viva](#) - Lisbon, Portugal.

Organizer of an environmental **awareness** activity on **freshwater ecosystems** for the initiative "*World Otter Day*", in collaboration with [International Otter Survival Fund](#), [Biodiversity4All](#) and [SPEA](#), giving a seminar titled "Otters, freshwater top predators" - Lisbon, Portugal.

Planned & executed an **environmental education** activity on **freshwater ecosystem conservation** at the primary **school** EB1 Natália Correia, within the initiative "*World Otter Day*" - Lisbon, Portugal.

Oral communication with focus on **environmental education** titled "Será que há LONTRAS à volta da Cidade..??" for the initiative "*Ciência na cidade*" - Évora, Portugal.

Organizer of a meeting **reporting** to the **general public** of a local community (Sacco, Italy) of the Cilento & Vallo di Diano National Park on our otter research project - Salerno, Italy.



## COMPLEMENTARY FORMATION

### ➤ Courses of Statistics and Ecological Modeling:

- “**MCMC Bayesian Methods** applied to regression techniques in **R**”, taught by Dr Jarrod Hadfield, University of Uppsala (Sweden), October 2009. 24h.
- “**Exploratory Statistics** and **Regression Techniques** (GLMs, GAMs, trees, PLS, etc.)”, taught by Prof Luis Carrascal, University of Évora, July 2009. 30h.
- “**Statistics (Linear Regression, GLM and GAM)**”, taught by Alain F. Zuur and Elena Ieno from Highland Statistics Ltd., Coimbra, February 2009. 40h.
- “**Statistics Multivariate Techniques**”, taught by Prof Paulo José Sousa, University of Coimbra, Coimbra, February 2009. 40h.
- “**Learn R**”, “**Occupancy Models**”, “**Quantile Regression**” and “**unmarked: An R package for fitting hierarchical models of species abundance and occurrence**”, organized by the **US Geological Survey**.

### ➤ Courses of GIS:

- “**GIS Tools for Ecologists**” (HIDRISI, GVSIG, SPRING), taught by Dr Isaac Pozo Ortego (Madrid). Évora, February 2010. 20h.
- “**Free open source Software QGIS**”, taught by Dr Paolo Cavallini of Faunalia (Italy). Évora, April, 2008. 32h.

### ➤ Course of Science Communication, CIBIO-InBIO, Vairão, Portugal, 2015.

### ➤ Course of Personal Development, Communication and Body Language, organized by HRD, Naples, Italy, 2001.

### ➤ Course of Scientific Articles Writing, organized by University of Rome “La Sapienza”, Italy, 2007.

### ➤ 15 days Summer **English Course** - California State Long Beach University – 2001.

### ➤ Course of **Film Documentary**, taught by Prof Carlo Alberto Pinelli and held in the Cilento e Vallo di Diano National Park. Italy, August 2001.





## OTHER EXPERIENCE

- ❑ Freshwater sampling using **eDNA** and field collection for **Non-invasive Genetic Detection**.
- ❑ Extensive **international travel** (and **work**) **experience** (Europe, California, India, Nepal, Brazilian Amazon, Peru, Bolivia, Chile, Argentina, Uruguay, Colombia).
- ❑ Long **marine** and **freshwater fishing, snorkeling** and **apnea** experience.
- ❑ **Hand-reared orphaned otter cubs** (scientific responsible for a Portuguese project joining *ICNF*, *Évora University*, *Zoomarine* and *CRASSA*, and member of the IUCN Otter Specialist Group's Task Force for otters in captivity).

## REFERENCES

### Pedro Beja

CIBIO-InBIO

Portugal

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### António Mira

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University of Molise

Italy

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**MAIN PERSONAL TRAITS/ADDITIONAL SKILLS**

- ❖ **Eclectic** (**academic** as well as **social** and **educational interests**), **balanced** (**field work** and **intellectual - analytical** and **paper/project writing** - as well as **humane** and **communicative skills**), and **very flexible** (including **adaptability** at any place, social and field working condition).
  
- ❖ **Independence, leadership, team working, loyalty, empathy, communication, listening.**
  
- ❖ Experience in **planning** and **managing international research projects** and **collaborations.**
  
- ❖ **Scuba diving license** (Open Water Diver – SSI).
  
- ❖ **4x4 car** and **boat** driver.

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: Lisbon, 07/10/2020

SIGNATURE