



# Amaranta Soledad Orejel Bustos

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**Date of birth:** 21/06/1991 | **Nationality:** Mexican | **Gender:** Female |

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Viale della Bella Villa 60/D, 00172, Rome, Italy

## ● EDUCATION AND TRAINING

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09/10/2017 – 07/10/2019 – Piazza Lauro De Bosis, 15, Roma, Italy

**EUROPEAN MSC IN HEALTH AND PHYSICAL ACTIVITY – UNIVERSITÀ DEGLI STUDI DI ROMA "FORO ITALICO"**

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The Master's Degree study program provides advanced knowledge in the biomedical, psycho-pedagogical and sociological fields related to motor sciences. Moreover, offers the knowledge to develop approaches to improve the psycho-physical well-being throughout life, with the goal of increasing motivational adherence to exercise programs.

110/110 with honors | ECTS | 120 | <http://www.uniroma4.it/>

01/10/2018 – 06/09/2019 – Via Ardeatina 306-354, Roma, Italy

**THESIS PERIOD – Fondazione Santa Lucia**

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With the support of my supervisors, I managed and organized in collaboration with physiotherapists from Foundation Santa Lucia the recruitment of voluntary participants diagnosed of severe TBI. Specifically, I performed the experimental tests in biomechanics with respect to the use of inertial sensor units. During this experience I learned in deep the use of the OPAL system and also the use of the software Mobility Lab.

[www.hsantalucia.it](http://www.hsantalucia.it)

10/09/2018 – 28/09/2018 – Odense, Denmark

**INTERNSHIP IN "MOVING IN OLD AGE - INTERDISCIPLINARY APPROACHES TO THE STUDY OF AGEING"** – University of Southern Denmark in Odense Campusvej 55,

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The internship provided theoretical basis at the normal physiological changes induced by ageing, age-related diseases and the impact of regular exercise and every day physical activity. It included self-experience in the laboratory and field tests to develop new approaches to the study of aging and movement.

[www.sdu.dk](http://www.sdu.dk)

09/04/2018 – 28/04/2018 – Universitätsring 1, Wien, , Austria

**INTERNSHIP IN "PHYSICAL ACTIVITY AND DISEASE PREVENTION IN ADULTS"** – University of Vienna

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During the internship the main goal was to plan and perform a small scientific project and report the data. The main subjects were applied biomechanics, fitness assessment and molecular exercise physiology in which theoretical basis, self-experience in the laboratory and field tests took place.

[www.univie.ac.at](http://www.univie.ac.at)

01/08/2009 – 19/12/2012 – Naranjos Punta Juriquilla 1000, Santa Rosa Jáuregui, Querétaro, Mexico

**BACHELOR'S DEGREE IN PHYSICAL THERAPY – Universidad del Valle de México**

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Main subjects at different levels: Biology, Clinical Practice, Anatomy, Physiology, Physics, Biomechanics, Embryology and Histology (Function and Structure), Research Methodology and Psychology.

During my clinical practice I learned how to handle properly the anatomical, physiological and biological concepts, to approach the factors that influence the human growth and development along life, within the physiological and structural changes as a consequence of the application of physiotherapy.

Also to examine and assess the functional state of the patient, considering the physical, psychological and social aspects to establish the adequate physiotherapeutic plan for intervention and treatment.

<https://www.universidaduvm.mx/campus-queretaro>

## ● WORK EXPERIENCE

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01/11/2019 – CURRENT – Rome, Italy

Research grant activity for the MOVIDA project, in collaboration with the Istituto Superiore di Sanità and the Ministry of Defense. Supporting the bibliographic research while defining, validating and identifying different test protocols. Collaborating with the recruitment of the population and supporting the execution of the instrumented biomechanical tests for the prevention of overuse-related musculoskeletal injuries in militaries, athletes and civilians.

01/02/2015 – 09/2017 – San Miguel de Allende, Gto, Mexico

**PHYSIOTHERAPIST**

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Working as an independent physical therapist, attending elderly patients with neurological disabilities as: traumatic brain injury, stroke, spinal cord injury, multiple sclerosis, brain tumors and Parkinson disease

24/04/2014 – 31/01/2015 – San Miguel de Allende, Gto, Mexico

**PHYSIOTHERAPIST – COMISIÓN MUNICIPAL DEL DEPORTE**

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Responsible of the Physical Therapy department. Attending high performance young athletes from different sports as: tae kwon do, rugby, handball, basketball, football soccer, swimming, box, track and field, cycling, volleyball, and tennis. Salida a Celaya Kilómetro 1.5, , 37700

01/02/2013 – 31/01/2014 – San Juan del Rio, Qro, Mexico

**PHYSIOTHERAPIST – HOSPITAL GENERAL**

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Internship stay in the following areas: neonatal intensive care unit, pediatrics, gynecology, internal medicine, adult intensive care unit, neurology, traumatology and orthopedics. Also, I worked in a private clinic (GCJ Fisioterapia Osteopatía), in which I attended patients with neurological disabilities, sport injuries, chronic and degenerative diseases ().

BOULEVAR LUIS DONALDO COLOSIO NO. 422, COL. SAGRADO CORAZÓN, , 76804, San Juan del Rio, Mexico

01/01/2012 – 31/01/2013 – Santiago de Querétaro, Qro, Mexico

**PHYSIOTHERAPIST – INSTITUTO DE REHABILITACIÓN E INTEGRACIÓN FUNCIONAL S.C.**

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I worked in a private clinic treating patients with chronic and degenerative diseases and neurological disabilities.

Virrey de Revillagigedo No. 130 - Col. Virreyes,, 76175, Santiago de Querétaro, Qro, Mexico

## ● LANGUAGE SKILLS

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**Mother tongue(s):** SPANISH

**Other language(s):**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B2	B2	B2	B2	B2
<b>ITALIAN</b>	B1	B1	B1	B1	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● DIGITAL SKILLS

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IBM SPSS Statistics | GraphPad Prism (basic knowledge) | Very good knowledge of MS Office (Outlook Word PowerPoint Excel) | Use of Inertial Sensors (skill acquired during my thesis period) | Basic User of MATLAB

## ● PUBLICATIONS

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### **Gait Quality Assessment in Survivors from Severe Traumatic Brain Injury: An Instrumented Approach..**

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Sensors Journal

<https://pubmed.ncbi.nlm.nih.gov/31816843/> - 2019

Authors: Valeria Belluscio, Elena Bergamini, Marco Tramontano, Amaranta Orejel Bustos, Giulia Allevi, Rita Formisano, Giuseppe Vannozzi, Maria Gabriella Buzzi.

## ● HONOURS AND AWARDS

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### **Proposed for the "Marinozzi" Award - UNIVERSITÀ DEGLI STUDI DI ROMA "FORO ITALICO"**

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Master Thesis "How to characterize dynamic balance in people with severe Traumatic Brain Injury using inertial sensors? Evaluating the effectiveness of a vestibular rehabilitation treatment"

## ● COMMUNICATION AND INTERPERSONAL SKILLS

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### **About Myself**

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I am a easy going person, dedicated, patient and responsible, full of energy and joy. I love my profession because is very humanistic. By helping people I have found an internal reward and keeping alive my motivation.

Most of the experience I have gained specially in the treatment of elderly people who have had mainly neurological disabilities, has been of fundamental importance in my professional growth, while involved in their recovery process.

At the same time, it has motivated me to continue with my professional career into academic research to gain deeper knowledge and experience in developing different approaches for the prevention of injuries and promotion of physical activity in the general population. The interaction with multi-ethnic professional work-groups has allowed me to combine different points of view and to create an interdisciplinary approach.