

Sandra Alejandra Romero Pinto

Peruvian citizenship. Born on September 26th, 1990
 Prospective Master's degree in Bioengineering, EPFL. International experience in research and academic development. Fluency in Spanish, English, Italian and Portuguese. Main interests in neuroscience and neuroengineering.

1. EDUCATION & ACADEMICS

FORMAL EDUCATION

09/2015- Now	Prospective Msc. Bioengineering, Minor in Neuroprosthetics École Polytechnique Fédérale di Lausanne-EPFL, <i>Lausanne (Switzerland)</i>	<ul style="list-style-type: none"> • Novartis Excellence Scholarship
10/2014- 06/2015	Bsc. Biomedical Engineering Politecnico di Milano, <i>Milano (Italia)</i>	<ul style="list-style-type: none"> • Graduation grade: 110 <i>cum Laude</i>/110 (<i>with Honors</i>), 2014
08/2011- 05/2014	Bsc. Biomedical Engineering Instituto Tecnológico de Estudios Superiores de Monterrey- ITESM, <i>Monterrey (México)</i>	<ul style="list-style-type: none"> • Average grade: 96/100 • Scholarship granted due to previous academic development, 2011
03/2008- 06/2009 06-12/2010	Medicine Universidad de San Martín de Porres-USMP, <i>Lima (Perú)</i>	<ul style="list-style-type: none"> • Admission merit order: 4/235, 2007 • Ranked 1st in class, 2008 • Scholarship granted due to in site academic development, 2008 • Top 10 of class, 2009- 2010
2002-2007	Secondary Education Colegio José Quiñones, <i>Lima (Perú)</i>	<ul style="list-style-type: none"> • Average grade: 19.06/20 • Ranked 3rd in academic performance

HONOURS & AWARDS

2016- 2017	Bertarelli Fellowship École Polytechnique Fédérale di Lausanne – EPFL Harvard Medical School –HMS	Financial aid and development of the master thesis at HMS labs.
2015- 2016	Novartis Excellence Scholarship École Polytechnique Fédérale di Lausanne – EPFL	Financial aid throughout the master program
2011	Scholarship “Beca Sudamérica Profesional” Instituto Superior de Estudios Superiores de Monterrey-ITESM	50% tuition fees
2008	Scholarship for Academic Performance Universidad de San Martín de Porres –Faculty of Medicine	100% tuition fees
2008	Diploma for Academic Performance Universidad de San Martín de Porres –Faculty of Medicine	Ranked First in class of 316 students
2007	Diploma for Academic Performance Colegio José Quiñones	Top 5 of class- Exemption from entrance examination in Peruvian universities

LANGUAGES

Spanish	Native	
English	Proficient	<ul style="list-style-type: none"> • IELTS, score: 8, 2014 • TOEFL ITP (ITESM), score: 670, 2014

		<ul style="list-style-type: none"> • TOEFL IBT, score 117/120, 2011
Portuguese	Advanced	<ul style="list-style-type: none"> • Official Certificate Peruvian Ministry of Education, 2001. • Primary level studies in Brazil, 2000
Italian	Advanced	<ul style="list-style-type: none"> • Completed B1 level, Language center PoliMi. Studies in Italy, 2014
French	Basic	<ul style="list-style-type: none"> • Completed A2 level, Alliance Française de Lima, 2010
German	Basic	<ul style="list-style-type: none"> • Completed A2 level, Language center ITESM, 2013

COMPUTER SKILLS

<i>Good command of</i>	Matlab, Comsol, Ansys Fluent, Labview, Microsoft Office, Scilab, CAD
<i>Basic command of</i>	Python, Revit, Photoshop, Corel Draw

ADDITIONAL COURSES & SEMINARS

2014	<ul style="list-style-type: none"> • “International Symposium on Spasticity and Neural Control of Movement” 	Slovenian Society for Physical Rehabilitation Medicine, Ljubljana (Slovenia)
2012	<ul style="list-style-type: none"> • Fundamentals of Design, Levels I-II • Geometry • Architectural Theory 	Instituto Tecnológico de Estudios Superiores de Monterrey- ITESM Monterrey (México)
2011	<ul style="list-style-type: none"> • Drug Administration & First Aid Course 	Peruvian Red Cross Lima (Perú)
2011	<ul style="list-style-type: none"> • Introduction to Economics • Financial Accounting , Levels I –II 	Universidad del Pacífico Lima (Perú)

RESEARCH EXPERIENCE

09/2016- Now	EPFL-Medtronic Chair of Neuroengineering – Minor’s Project <ul style="list-style-type: none"> • Experimental testing of SELINE electrode for Optic Nerve Stimulation • Prof. Diego Ghezzi 	Lausanne (Switzerland)
06/2016- 09/2016	Advanced Digital Science Center (ADSC) - Illinois at Singapore Pte. Ltd. - Internship <ul style="list-style-type: none"> • Profiling analytics using Body-Worn Physiological and Cognitive Sensors • Prof. Stefan Winkler, Prof. Rama Ratnam 	Singapore (Singapore)
02/2016- 05/2016	EPFL-Laboratory of Synaptic Mechanisms (LSYM) -Lab Assistant <ul style="list-style-type: none"> • Electrophysiological recordings for Neural mapping at the Medial Amygdala • Prof. Ralf Schneggenburger, Olexiy Kochubey, PhD. 	Lausanne (Switzerland)
09/2015- 12/2015	EPFL- Center for Neuroprosthetics, Micera Lab & G-Lab - Lab Immersion <ul style="list-style-type: none"> • Modulation of Rats sensorimotor cortex ensemble activity during treadmill walking- Lab Immersion. • Prof. Silvestro Micera, Prof. Gregoire Courtine, Marco Bonizzato. 	Lausanne (Switzerland)
02/2015- 07/2015	Politecnico di Milano- Laboratory of Biological Structure Mechanics (LaBS) - Bachelor thesis <ul style="list-style-type: none"> • Study of the Cell seeding efficiency in Fiber Scaffolds via fluid dynamic computational simulations in fiber scaffolds with different fiber geometries. • Prof. Gabriele Dubini , Elena Bianchi, PhD. 	Milano (Italia)
04/2014- 09/2014	Medizinische Universität Wien -Center for Medical Physics and Biomedical Engineering <ul style="list-style-type: none"> • Research group of Neurostimulation and Movement Restoration- Internship • Prof. Winfried Mayr, Simon Danner, PhD. 	Vienna (Austria)

- *Research group of Biomedical Devices*

2. WORKING EXPERIENCE

INTERNSHIPS

06/2016- 09/2016	Advanced Digital Science Center (ADSC) - Illinois at Singapore Pte. Ltd. , Singapore Junior Research Assistant - ‘ <i>Profiling analytics using Body-Worn Physiological and Cognitive Sensors</i> ’
	<ul style="list-style-type: none"> • Processing and analysis of data from the galvanic skin response (GSR) sensors • Processing and analysis of data from 32-channel EEG recordings • Implementation of Statistical test and machine learning algorithms to quantify the frustration level in base of the multimodal recordings.
04/2014- 09/2014	Medizinische Universität Wien -Center for Medical Physics and Biomedical Engineering, Vienna (Austria) Subject: “ <i>Kilohertz AC frequency alternating current in electrical stimulation- Preliminary measurements</i> ” Collaboration with research in non-invasive spinal cord stimulation and modulation of spasticity: studies of <i>control characteristics of voltage versus current controlled stimuli</i> . Responsibilities: <ul style="list-style-type: none"> • Performance of measurements for preliminary studies of the use of Kilohertz AC current stimulation and for assessment of functional reflex profiles. • Programming electrical stimulator STMISOLA using Labview, Ni Daq USB 6221 • Data analysis and visualization with Matlab • Assisted and attended experimental research in spinal-cord injured

ADDITIONAL JOBS

06-08/2011	T.G.I FRIDAYS, Lima (Perú)	Attention to clients and host, full time
12/2010	Quiksilver – Roxy Surfshop, Lima (Perú)	Sales during Christmas campaign, full time

ORGANIZATIONAL & MANAGERIAL EXPERIENCE

2014	X Symposium of Biomedical Engineering, ITESM, Monterrey (México)	Content Coordinator
2013	Expotec, ITESM, Monterrey (México)	Treasurer
2011-2013	Gabriel Alegria Afro- Peruvian Jazz Sextet- Tour Perú, Cuzco-Lima (Perú)	Staff and event coordination
2006	Business Interschool contest “Junior Achievement”, Lima (Perú)	Direction of Product design

3. SOCIAL SERVICE & VOLUNTEERING

01-05/2014	Hablemos Hoy, Monterrey (México)	English teacher for children (10-14 years old)
07-12/2013	Prepanet, Monterrey (México)	Tutor of „Health Science“ for secondary students (Virtual course)
07/2010	Un techo para mi País, Lima (Perú)	Money collection and promotion
12/2007	Ponle Corazón, Lima (Perú)	Money collection
12/2006, 12/2008	Movimiento de Vida Cristiana, Lima (Perú)	Money collection, Christmas event for children
12/2006	Hogar de Cristo, Lima (Perú)	Christmas event and care of elderly

4. INTERESTS & HOBBIES

- Healthcare Technologies, Biomechanics, Neurosciences, Psychology, Architecture, Design, Languages
- Travelling (Western, Central and Eastern Europe)
- Dancing (Peruvian and Mexican folklore, contemporary dance), Painting (Oil, acrylic, pastel, aquarelle), Music (Piano), Jazz
- Sports (Swimming, surf)