

PERSONAL INFORMATION

Francesca Pulecchi

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Sex Female | Date of birth 12/07/1985 | Nationality Italian

JOB APPLIED FOR

Lab manager, Lab technician

WORK EXPERIENCE

March 2011 - Present

Lab Technician

Tactile Perception and Learning Lab, Cognitive Neuroscience sector at SISSA/ISAS (International School for Advanced Studies). Via Bonomea 265 – 34136 Trieste (ITALY).

- rats' handling and training for cognitive neuroscience experiments;
- stereotaxic surgery for electrodes implantation;
- neuronal recording in anesthetized and awake rats;
- histology: transcardiac perfusion, tissue dissection and staining (Nissl), immunohistochemistry;
- use of optic and confocal microscope;
- intra- and post-operative care of rats with implant.

Business or sector Biomedical Research

January 2008 – January 2011

Research project assistant

Bioengineering and experimental neurophysiology group (GBNE), Fundación del Hospital Nacional de Paraplégicos para la Investigación y la Integración (FUHNPAIIN), Finca la Peraleda s/n - 45071 Toledo (SPAIN).

- development of anatomical models for modulating the spinal cord activity in a healthy animal model and after a spinal cord injury;
- stereotaxic surgery (craniotomy, laminectomy, tracheotomy) in anesthetized rats;
- electrophysiological recording in the somatosensory cortex, thalamus, in the nuclei of the dorsal columns and in the spinal cord of anesthetized rat;
- histology: transcardiac perfusion, tissue dissection and staining (Nissl);
- post-operative care of rats with acute and chronic spinal cord injury;
- data analysis.

- electromyography, somatosensory evoked potentials and TMS in patients with spinal cord injuries.

Business or sector Biomedical Research

EDUCATION AND TRAINING

October 2004 – November 2007

Professional Degree in Technical Neurophysiopathology

Title of the thesis: "Transcutaneous direct current stimulation of the spinal cord: effects on somatosensory evoked potentials"

Università Statale degli Studi di Milano (Italy). Internship at Fondazione I.R.C.C.S. Ospedale Maggiore Policlinico Mangiagalli e Regina Elena and Istituto Ortopedico Galeazzi in Milano (Italy).

- Electroencephalography; Somatosensory, Visual, Auditory and Motor Evoked Potentials; electroneuromyography; neurophysiological monitoring in the ICU and operating room; Echocolordoppler; experimental neurophysiological methods for the investigation of the nervous system (DCS - TMS)

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B2	B1	B1	B1
	Replace with name of language certificate. Enter level if known.				
Spanish	C2	C2	C2	C2	C1
	Replace with name of language certificate. Enter level if known.				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills • good communication skills gained through my experience as lab manager in a multicultural environment

Organisational / managerial skills • good team-leading skills
• good organizational skills

Other skills • certified in providing first aid, as part of my Croce Rossa Italiana training

Driving licence B

ADDITIONAL INFORMATION

Publications • Filippo Cogiamanian, Maurizio Vergari, Francesca Pulecchi, Sara Marceglia, Alberto Priori; *Effect of spinal transcutaneous direct current stimulation on somatosensory evoked potential in humans*. Clinical Neurophysiology 2008
• J. Aguilar, F. Pulecchi, R. Dilena, A. Oliviero, A. Priori, G. Foffani; *Spinal direct current stimulation modulates the activity of the gracile nucleus and primary somatosensory cortex in anesthetized rats*. Journal of Physiology 2011

Conferences • SENC (Sociedad Española de NeuroCiencia), September 2009_ “Modulation of the somatosensory cortex activity via spinal stimulation by direct current in anesthetized rats”
• VII Jornadas Jóvenes Investigadores de Castilla-La-Mancha, July 2010_ “Modulation of the somatosensory cortex and the nucleus gracilis via spinal stimulation by direct current in anesthetized rats”

Courses and certificates “Animal Care and well-being” at University of Trieste - September 2016

References are available on request