

Daniele Rimini

Postdoctoral Researcher

(Biomedical Engineer)

Via Alberoni, 70
30126 Lido di Venezia, Venezia, ITALY
+39 0412207214
daniele.rimini@ospedalesancamillo.net
riminidaniele@gmail.com
ORCID: [0000-0001-7170-7052](https://orcid.org/0000-0001-7170-7052)
Scopus Author ID: [56786336800](https://orcid.org/56786336800)

Current position

March 2018 – ongoing
IRCCS San Camillo s.r.l., Venice, ITALY
Laboratory of Neurorehabilitation Technologies
Research engineer

Education and training

September 23rd – 27th, 2019
Winter School, Università degli studi di Verona, Verona, ITALY
2019 School on Brain Connectomics

November 2014 – October 2017
PhD Student, Politecnico di Torino, Torino, ITALY
Bioengineering and Medical-Surgical Sciences, 30th cycle
supervisor: Marco Knaflitz
Dissertation: Nonlinear and factorization methods for the non-invasive investigation of the central nervous system

June 22nd - 26th, 2015
Summer School, Università Cattolica del Sacro Cuore, Milano, ITALY
Integration of methods and techniques for the research, clinics, and rehabilitation in psychophysiology and neuroscience

November 2010 – June 2011
Internship, Gradenigo Hospital, Neurology Division, Torino, ITALY

October 2010
Master of Science, Politecnico di Torino, Torino, ITALY
Biomedical Engineering

March 2007
Bachelor of Science, Politecnico di Torino, Torino, ITALY
Biomedical Engineering

Research, proceedings and oral communications

Papers

Rimini D, Agostini V, Knaflitz M. (2017) Intra-subject consistency during locomotion: similarity in shared and subject-specific muscle synergies. *Front. Hum. Neurosci.* 11:586. doi:10.3389/fnhum.2017.00586.

Rimini D, Molinari F, Liboni W, Simonetti V, Franzini M. (2017) The speed of reinfusion affects the vascular system during ozone major autohemotherapy. *Ozone Therapy* 1(6477): 56-60. doi:10.4081/ozone.2016.6477

Salvi M, **Rimini D**, Molinari F, Bestente G, Bruno A. (2017) Effect of Low-Level Light Therapy on diabetic foot ulcers: a NIRS study. *J Biomed Opt* 22(3) 038001. doi:10.1117/1.JBO.22.3.038001

Rimini D, Molinari F, Liboni W, Balbo M, Darò R, Viotti E, Fernandez I. (2016) Effect of Ocular Movements During Eye Movement Desensitization and Reprocessing (EMDR) Therapy: A Near-Infrared Spectroscopy Study. *PLoS ONE* 11(10): e0164379. doi:10.1371/journal.pone.0164379

Molinari F, **Rimini D**, Liboni W, Acharya UR, Franzini M, Pandolfi S, Ricevuti G, Vaiano F, Valdenassi L, Simonetti V. (2016) Cerebrovascular pattern improved by ozone autohemotherapy: an entropy-based study on multiple sclerosis patients. *Med Biol Eng Comp.* doi:10.1007/s-016-1580-z

Proceedings

Lo MWT, So LKP, **Rimini D**, Turolla A, Cheung VCK. Post-stroke changes in the muscle synergies of the less-affected upper limb. *2019 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, Berlin, July 23-27.

Agostini V, **Rimini D**, Ghislieri M, Knaflitz M, Frola U, Trucco M. Muscle synergies in patients with low back pain: A statistical gait analysis study pre- and post-rehabilitation. *2018 IEEE International Symposium on Medical Measurements and Applications (MeMea)*, Rome, June 11-13.

Rimini D, Agostini V, Rosati S, Castagneri C, Balestra G, Knaflitz M. (2017) Influence of pre-processing in the extraction of muscle synergies during human locomotion. *2017 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, Jeju Island, S. Korea, July 11-15.

Rimini D, Agostini V, Knaflitz M. (2017) Evaluation of Muscle Synergies Stability in Human Locomotion: a comparison between normal and fast walking speed. *2017 IEEE International Instrumentation and Measurement Technology Conference (I2MTC)*, Torino, May 22-25. pp. 404-408.

Agostini V, Paradiso D, Molinari F, **Rimini D**, Liboni W, Knaflitz M. (2015) NIRS assessment of brain hemodynamics: the effects of high frequency respiration in yoga practitioners. *2015 IEEE International Symposium on Medical Measurements and Applications (MeMea)*, Torino, May 7-9. pp. 651-654.

Oral communications

- *Model-based rehabilitation of motor dysfunctions from muscle synergies to functional imaging.* Italy-Japan Workshop on Neurorobotics, Padua, 11th April, 2019
- *Practical trials for bioimages interpretation.* Multiple Sclerosis and dementia: environmental factors, instrumental diagnosis and ozonotherapy, Torino, 19th March, 2016.
- *Neurorehabilitation and telerehabilitation.* First course of ozonotherapy in Multiple Sclerosis, Torino, 22nd March, 2014.
- *fMRI in parkinsonism.* First National Meeting of Functional Neuroradiology, Milan, 17th – 18th February, 2011.

Language skills

English

Level: fluent
IELTS certificate
June 2013
Score: 7

French

Level: intermediate
DEL F A4 certificate
March 2003
Score: 12.63/20

German

Level: basic
START DEUTSCH 1 certificate
October 2014
Score: 88/100

Autorizzo al trattamento dei miei dati personali ai sensi del D.Lgs 196 del 30 giugno 2003

Daniele Rimini