

CURRICULUM VITAE



PERSONAL INFORMATION

Name **FERRARO OTTAVIA ELEONORA**
E-mail ottavia.ferraro@unipv.it;
ottavia.ferraro@gmail.com
Nationality Italian

OCCUPATIONAL FIELD

- Dates (from October 2016 at today) **PhD in Psychology, Neuroscience and Data Science - XXXII**
- Date (from February 2015 to September 2016) **Temporary Research Fellow (*Legge 240/10 – art.22*)**
Project Manager: Cristina Montomoli
Dipartimento di Sanità Pubblica, Medicina Sperimentale e Forense, Via Forlanini, 2 - 27100 Pavia, Università degli Studi di Pavia
- Main activities and responsibilities Research activity in the project **“Malattie croniche degenerative e fattori di rischio ambientali e occupazionali”**.
- Dates (dal aa. 2014/2015 al aa 2017/2018) **Tutoring activity**
Faculty of Sport Science
Project “Laboratorio di statistica medica e di metodologia della ricerca per le scienze dello sport”.
Project Manager: Prof.ssa Cristina Montomoli
Dipartimento di Sanità Pubblica, Medicina Sperimentale e Forense, Via Forlanini, 2 - 27100 Pavia, Università degli Studi di Pavia
- Main activities and responsibilities Tutor-Medical Statistics

EDUCATION AND TRAINING

- Dates (A.A. 2012-2014)
Title of qualification awarded
Master of II levels
Biostatistics e Epidemiological Methodology
- Name and type of organisation providing education and training
University of Pavia
• Title thesis
European project REHABIL-AID: from protocol to analysis
- Dates (A.A. 2012-2014)
Master degree in **Biostatistics and Experimental Statistics**
- Name and type of organisation providing education and training
Faculty of Statistics, University of the study of Milan - Bicocca
Main activities and responsibilities
Biostatistics , medical statistics
• Title thesis
La valutazione della qualità in sanità: metodologie di composizioni d'indicatori. Confronto tra diversi modelli di sintesi numerica e sintesi grafica dei risultati.
- Title of qualification awarded
Dr in Biostatistics and experimental statistics
graduation grade
107/110
Level in national or international classification
ISCED 5A
- Dates (A.A 2006-2009)
• Name and type of organisation providing education and training
Three year bachelor degree in **Statistics and management of information**
Faculty of Statistics, University of the study of Milan - Bicocca
Main activities and responsibilities
Epidemiology and statistical methods
• Title thesis
Analisi database malattie infettive della Regione Lombardia
- Title of qualification awarded
Dr in Statistics and management of information
graduation grade
97/110
• Level in national or international classification
ISCED 5A
- Dates (A.S.2005/2006)
• Nome e tipo di istituto di istruzione o formazione
Diploma di **maturità scientifica**
Liceo scientifico "G. Marconi" Milano
• Qualifica conseguita
Maturità scientifica (87/100)

COURSES AND SUMMER SCHOLLS

- Dates (June 2018)
• Name and type of organisation providing education and training
Bayesian School
IMATI-CNR ABS18 - 2018 APPLIED BAYESIAN STATISTICS SCHOOL
- Dates (November 2017)
• Name and type of organisation providing education and training
Introduction to GAMLSS
Università degli Studi di Verona
- Date (4-5 November 2016)
• Name and type of organisation providing education and training
5th International Cycling Safety Conference (ICSC2016)
5th International Cycling Safety Conference (ICSC2016) Università degli studi di Bologna
- Date (13 November 2015)
• Name and type of organisation providing education and training
Neuro-infiammazione e ambiente: oltre ai confini della neurologia
Workshop IRCCS C. Mondino, Pavia
- Date (20-31 May 2013)
Summer School in International education for training traffic accident reconstruction specialist

- Name and type of organisation providing education and training Summer School CIRSS 20-31 May 2013 Pavia

- Dates (16 September 2009) **Introductoin to genetics epidemiology**
- Name and type of organisation providing education and training V National congress of Società Italiana di Statistica Medica ed Epidemiologia Clinica (SISMEC) Dalla genetica all'ambiente il tuolo della statistica medica e dell'epidemiologia clinica. 16-19 September 2009, Pavia

- Dates (5-18 June 2011) **Survival Analysis and Causal Inference**
- Name and type of organisation providing education and training Summer School on Modern Methods in Biostatistics and Epidemiology 5-18 June 2011 Antico Borgo di Tabiano Castello Parma

COLLABORATION ON NATIONAL AND INTERNATIONAL PROJECTS

Year	Project	Duration (months)	Activities
2015	Project "Conoscenza e Salute" (ConSal), Studio EPI-EST: esposizioni ambientali e salute pubblica. Università di Pavia, Azienda Socio-Sanitaria Territoriale (ASST) di Pavia, ARPA Lombardia, Comuni di Sannazzaro de' Burgondi e Ferrera Erbognone. Project Coordinator Prof. Gabriele Pelissero, Università di Pavia.	84	Mortality and Ospedalization analysis
2012-2015	REHABIL-AID: a three-year project titled "Reducing the harm and the burden of injuries and human loss caused by road traffic crashes and addressing injury demands through effective interventions" carried out in Greece, Germany and Italy with funding by the DG Mobility and Transport (MOVE/C4/SUB/2011-294/SI2.628846/REHABIL-AID).	36	Data Manager and Data Analyst of the project

FIELD OF RESEARCH

EPIDEMIOLOGY OF ACCIDENT AND TRAFFIC RESEARCH

Rehabil-aid Reducing the Harm and the Burden of Injuries and human Loss caused by road traffic crashes and Addressing Injury Demands

European study COST: Helmet optimization in Europe

CLINICAL EPIDEMIOLOGY

Study "Multicenter international randomized controlled mankin study on different protocols of CPR (MANI-CPR)" in collaborazione con l'Associazione Pavia nel Cuore

Collaboration with Center of Multiple Sclerosis-IRCCS Casimiro Mondino, Pavia

Collaboration with Cardiology dell'IRCCS del Policlinico di San Donato Milanese, study EUROEX

Dr. Ferraro is the author of twelve publications with impact factor (I.B. Scopus H index = 5, calculated in July 2018, number of total citations = 81), two monographs, one oral communication and some poster sessions, on published papers.

PUBLICATION

Popa, I., Ferraro, O. E., Orsi, C., Morandi, A., & Montomoli, C. (2017). **Bicycle helmet use patterns in Italy. A description and analysis of survey data from an Italian friends of cycling association.** *Accident Analysis and Prevention*, 108. <http://doi.org/10.1016/j.aap.2017.09.003>

Papadakaki M, Ferraro O.E., Orsi C., Otte D, Tzamalouka G., von-der-Geest M., Lajunen T., Özkan T., Morandi A., Sarris M., Pierrakos G., Chliaoutakis J. **Psychological distress and physical disability in patients sustaining severe injuries in road traffic crashes: Results from a one-year cohort study from three European countries.** *Injury*. 2017 Feb;48(2):297-306

Papadakaki M., Stamouli M.A., Ferraro O.E.; Orsi C., Otte D.; Tzamalouka G., von derGeest M., Lajunen T., Ozkan T., Morandi A., Kotsyfos V., El. Chliaoutakis J. **"Hospitalization costs and estimates of direct and indirect economic losses due to injury sus-tained in road traffic crashes: Results from a 1-year cohort study in three European countries (The REHABILAID project)"** *Trauma* Nov 2016

Valaperta R., Gaeta M., Cardani R., Lombardi F., Rampoldi B., De Siena C., Mori F., Fossati B., Gaia P., Ferraro O.E., Villani S., Iacchettini S., Piccoli M., Cirillo F., Pusineri E., Meola G., Costa E. **A manuscript titled High-Sensitivity Cardiac Troponin T Assay as Serum Biomarker to Predict Cardiac Risk in Myotonic Dystrophy: a Case-Control Study** *Clin Chim Acta*. 2016 Dec 1;463:122-128

Guazzi M., Villani S., Generati G., Ferraro O.E., Pellegrino M., Alfonzetti E., Labate V., Gaeta M., Sugimoto T., Bandera F. **Right Ventricular Contractile Reserve and Pulmonary Circulation Uncoupling During Exercise Challenge in Heart Failure: Pathophysiology and Clinical Phenotypes.** *JACC Heart Fail*. 2016 May 3.S2213-1779(16)30074-9

Mandia D., Ferraro O.E., Nosari G., Montomoli C., Zardini E., Bergamaschi R. **Environmental factors and multiple sclerosis severity: A descriptive study.** *Int J Environ Res Public Health*. 2014 Jun 19;11(6):6417-32.

Orsi C., Ferraro O.E., Montomoli C., Otte D., Morandi A. **Alcohol consumption, helmet use and head trauma in cycling collisions in Germany.** *Accid Anal Prev*. 2014 Apr;65:97-100

Boiocchi C., Osera C., Monti M.C., Ferraro O.E., Govoni S., Cuccia M., Montomoli C.,

Pascale A., Bergamaschi R. **Are Hsp70 protein expression and genetic polymorphism implicated in multiple sclerosis inflammation?**. J Neuroimmunol. 2014 Mar 15;268(1-2):84-8.

MONOGRAPHIES

Ferraro O.E., Papadakaki M., Montomoli C., Orsi C., Otte D., Tzamalouka G., Morandi A., Chliaoutakis J. **REHABIL-AID. REDucing the HArm and the Burden of Injuries and Human Loss Caused by Road Traffic Crashes and Addressing Injury Demands Through Effective Interventions**. Edizioni Medea s.r.l. Quaderni di epidemiologia n°42 2016

Morandi A., Orsi C., Ferraro O.E., Montomoli C. **HOPE Helmet Optimization in Europe** Edizioni Medea s.r.l. Quaderni di epidemiologia n°43 2016

ORAL PRESENTATION @ INTERNATIONAL CONGRESS

Ferraro O.E. "Road Injury Trauma and Rehabilitation" conferenza alla Camera del Commercio e dell'industria di Heraklion 22-23 Ottobre 2015 con la presentazione "Health Outcome scale: description and evidence of the Rehabil road users cohort"

POSTERS

POSTER @ NATIONAL CONGRESS

Ferraro Ottavia Eleonora, Popa Ioana, Orsi Chiara, Morandi Anna, Montomoli Cristina **Helmet usage patterns among non-competitive Italian cyclists** IX Congresso Nazionale SISMEC (Società Italiana di Statistica Medica ed Epidemiologia Clinica) "La statistica a supporto della salute: dalla prevenzione alla continuità delle cure" 13-16 September 2017 Gargnano

Popa Ioana, Ferraro Ottavia Eleonora, Collivasone Luigi, Sisto Patrizio, Montomoli Cristina **Access to health care for women migrants in lombardy region, italy** IX Congresso Nazionale SISMEC (Società Italiana di Statistica Medica ed Epidemiologia Clinica) "La statistica a supporto della salute: dalla prevenzione alla continuità delle cure" 13-16 September 2017 Gargnano

Guido Davide, Ferraro Ottavia Eleonora, Zambianchi Roberto, Puci Mariangela Valentina, Gnesi Marco, Gigli Berzolari Francesca, Monti Maria Cristina, Oddone Enrico, Magni Alessandro, Migliazza Simona, Cerra Carlo, Pavan Anna, Borrelli Paola, Villani Simona, Montomoli Cristina. **Analisi spaziale bayesiana dei ricoveri ospedalieri per patologie neurologiche in provincia di pavia**, Congresso intermedio SISMEC (Società Italiana di Statistica Medica ed Epidemiologia Clinica). "L'EVOLUZIONE DELLA RICERCA EPIDEMIOLOGICA BASATA SUGLI ARCHIVI SANITARI: UNO SGUARDO AL FUTURO". 24 – 25 November 2016, Pavia.

Ferraro Ottavia Eleonora, Borrelli Paola, Guido Davide, Puci Mariangela Valentina, Gnesi Marco, Zambianchi Roberto, Gigli Berzolari Francesca, Monti Maria Cristina, Oddone Enrico, Magni Alessandro, Migliazza Simona, Cerra Carlo, Pavan Anna, Villani Simona, Montomoli Cristina. **Analisi delle dimissioni ospedaliere nella provincia di pavia**, Congresso intermedio SISMEC (Società Italiana di Statistica Medica ed Epidemiologia Clinica). "L'EVOLUZIONE DELLA RICERCA EPIDEMIOLOGICA BASATA SUGLI ARCHIVI SANITARI: UNO SGUARDO AL FUTURO". 24 – 25 November 2016, Pavia.

Ferraro O.E., Montomoli C., Manzoni F., Papadakaki M., Otte D., Vondergeest M., Tzamalouka G., Chliaoutakis J., Orsi C., Morandi A. and the Rehabil-Aid team **Il ritorno alla salute dei soggetti coinvolti in un incidente stradale. quali i fattori associati?** VIII Congresso Nazionale SISMEC (Società Italiana di Statistica Medica ed Epidemiologia Clinica) "ORIZZONTI 2020 PER LA BIOSTATISTICA E L'EPIDEMIOLOGIA CLINICA: SFIDE E OPPORTUNITÀ NELL'ERA DEI BIG DATA" 16-19 September 2015 Torino.

Ferraro O.E., Orsi C., Montomoli C., Morandi A. **La motivazione all'uso del casco in un gruppo di ciclisti amatoriali italiani: un modello di analisi fattoriale** VIII Congresso Nazionale SISMEC (Società Italiana di Statistica Medica ed Epidemiologia Clinica) "ORIZZONTI 2020 PER LA BIOSTATISTICA E L'EPIDEMIOLOGIA CLINICA: SFIDE E OPPORTUNITÀ NELL'ERA DEI BIG DATA" 16-19 September 2015 Torino.

Orsi C., Ferraro O.E., Chliaoutakis J., Dias J., Papadakaki M., Pakkari K., Tzamalouka G., Otte D., Montomoli C., Morandi A. **Utilizzo e percezione del casco da parte dei ciclisti VIII Congresso Nazionale SISMEC (Società Italiana di Statistica Medica ed Epidemiologia Clinica) "ORIZZONTI 2020 PER LA BIOSTATISTICA E L'EPIDEMIOLOGIA CLINICA: SFIDE E OPPORTUNITÀ NELL'ERA DEI BIG DATA" 16-19 September 2015 Torino.**

POSTER @ INTERNATIONAL
CONGRESS

Popa I., Ferraro O.E., Orsi C., Morandi A., Montomoli C.

Bicycle helmet use patterns in Italy. A description and analysis of the national bicycle's friends association survey sample. VIII Congresso Nazionale SISMEC (Società Italiana di Statistica Medica ed Epidemiologia Clinica) "ORIZZONTI 2020 PER LA BIOSTATISTICA E L'EPIDEMIOLOGIA CLINICA: SFIDE E OPPORTUNITÀ NELL'ERA DEI BIG DATA" 16-19 September 2015 Torino.

Papadakaki M., Orsi C., Otte D., Morandi A., Tzamalouka G., von der Geest M., Lajunen T., Ozkan T., Chliaoutakis J. and the **Rehabil-aid team**. **Factors affecting the rehabilitation from injuries sustained in road traffic crashes** 28th International Congress of Applied Psychology, 8-13 July 2014 Parigi, Francia

Stendardo A., Montomoli C., Ferraro O.E., Orsi C., Morandi A., the Rehabil-Working Group **Reducing the harm and the burden of injuries and human loss caused by road traffic crashes and addressing injury demands through effective interventions: the study protocol** VII Congresso Nazionale SISMEC (Società Italiana di Statistica Medica ed Epidemiologia Clinica) "Scoperte Scientifiche, Evidenze Cliniche. Misure e metodi" 25-28 September 2013 Roma.

Ferraro O.E., Morandi A., Otte D., Stendardo A., Montomoli C., Orsi C.
Bicycle-related crashes: factors associated with alcohol use. A study based on Gidas registry VII Congresso Nazionale SISMEC (Società Italiana di Statistica Medica ed Epidemiologia Clinica) "Scoperte Scientifiche, Evidenze Cliniche. Misure e metodi" 25-28 September 2013 Roma.

Magarò M.S., Boiocchi C., Mandia D., Montomoli C., Monti C., Ferraro O., Martinetti M., Bergamaschi R., Cuccia M.
Studio di polimorfismi di geni di hla di classe III (RAGE, HSP70, e TNF) nella sclerosi multipla"
XX Congresso Nazionale AIBT (Associazione Italiana di Immunogenetica e Biologia dei Trapianti) "Immunogenetica oggi: ricerca e innovazione" 3-5 Ottobre 2013 Pisa

Ferraro Ottavia E., Orsi Chiara, Montomoli Cristina, Morandi Anna
A model of factorial analysis: reasons for using a helmet in a sample of non-competitive Italian cyclists. 5th International Cycling Safety Conference (ICSC2016) Bologna 3-4 November

Papadakaki M., Ferraro O.E., Orsi C., Otte D., Morandi A., Tzamalouka G., von der Geest M., Lajunen T., Ozkan T., and Chliaoutakis J. **The profile of severely injured in road traffic crashes: Baseline data from a longitudinal EU study**, Road Safety and Simulation International Conference (RSS), Orlando, Florida, 6-8 October.

Papadakaki M., Ferraro O.E., Orsi C., Otte D., Morandi A., Tzamalouka G., von der Geest M., Lajunen T., Ozkan T., Anipsitaki M., Maragkaki P. and Chliaoutakis J. **Psychological sequel of injury sustained in road traffic crashes: Initial results from a cohort study in 3 European countries**, 14th European Congress of Psychology, 7-10 July 2015 Milano, Italy,

Kritsotakis G., Papadakaki M., Ferraro O.E., Angelopoulou V., Pervolaraki M. Georgopoulos D. Tzilepi P., Patelarou A., Volakakis E., Kioulpalis A., Markakis Ch., Maragkakis J., Massud H., Androulaki Z., Zacharopoulos G., Tzamalouka G., Otte D., Morandi A. and Chliaoutakis J. **Assessment of the long-term physical, psychological and financial burden in patients with severe injury sustained in road traffic crashes (Rehabil-Aid)**, 25th Annual Art and Science of Health Promotion Conference, 30 March-3 April. San Diego, California,

Papadakaki M., Ferraro O.E., Orsi C., Otte D., Morandi A., Tzamalouka G., von der Geest M., Lajunen T., Ozkan T. and Chliaoutakis J. **The profile of the severely injured in road traffic crashes: Baseline data from a longitudinal study in Greece, Germany and Italy**, 10th Panhellenic Congress on Management, Economics and Health Policy, 16-19 Dicembre 2014 Atene, Grecia.

Papadakaki M., Ferraro O.E., Orsi C., Otte D., Morandi A., Tzamalouka G., von der Geest M., Lajunen T., Ozkan T. and Chliaoutakis J. **The long-term effect of social support on the**

rehabilitation from injuries sustained in road traffic crashes, 13th European Congress of Psychology, 9-12 July 2013 Stoccolma, Svezia,

**SUPERVISOR CO-SUPERVISOR FOR
THESIS**

- "Educazione motoria per soggetti insulino-dipendenti in supporto alla terapia clinica:
efficacia dei seminari teorico-pratici ed aspetti motivazionali." A.A.2016/2017
- "Pesticidi e patologie neurodegenerative: indagine sulla relazione tra esposizione a prodotti fitosanitari e mortalità nel contesto della provincia di Pavia." A.A.2015/2016
- "Studio sull'importanza della prevenzione e protezione stradale: riflessione sulla protezione della categoria ciclisti." A.A.2015/2016
- "Risultati dell'applicazione della strategia "SOBANE" in alcune strutture sanitarie per anziani." A.A.2013/2014

**PERSONAL SKILLS AND
COMPETENCES**

Mother tongue(s)

ITALIAN

Other language(s)

INGLESE

- Reading
- Writing
- Listening

PROFICIENT USER

INDEPENDENT USER

INDEPENDENT USER

European Level

ENGLISH BICOCCA B1 SET/2006

**SOCIAL SKILLS AND
COMPETENCES**

Team working: I have worked in various types of teams

Intercultural skills: I am experienced at working in a European Projects

Mediating skills: I work on the borders between young people, youth trainers, doctors and researchers.

**ORGANISATIONAL SKILLS AND
COMPETENCES**

Good skills to help to organize event at the University and to solve problem and to plan research working.

**TECHNICAL AND COMPUTER
SKILLS AND COMPETENCES**

SOFTWARE

- STATA
- EPIINFO
- R
- SPSS
- SAS
- PACCHETTO OFFICE

Driving licence

B

Additional information

**Società Italiana di Statistica Medica ed
Epidemiologia Clinica (SISMEC) from 2012**

"In compliance with the Italian art.13 of legislative decree no.196/2003, I hereby authorize you to use and process my personal details contained in this document."

Pavia 15 July 2018

Ottavia E. Ferraro