

**Europass**  
**Curriculum Vitae**  
**Personal information**



First name(s) / Surname(s) **Giampiero Ferraguti**

Address(es) Department of Cell Biotechnologies and Haematology,  
V.le Regina Elena, 324 - 00161 – Rome, Italy.

Telephone(s) Office: +390649973882

Fax(es) +390649970458

E-mail [giampiero.ferraguti@uniroma1.it](mailto:giampiero.ferraguti@uniroma1.it); [ferraguti@bce.uniroma1.it](mailto:ferraguti@bce.uniroma1.it)

Nationality Italian

Gender Male

**Occupational field** Researcher

**Work experience**

Dates November 2008 onwards

Occupation or position held Researcher in Clinical Biochemistry and Clinical Molecular Biology (BIO12)

Main activities and responsibilities Clinical Chemistry, DNA Sequencing, SNP genotyping, DNA methylation studies, Gene therapy

Name and address of employer "Sapienza" University of Rome – V.le Regina Elena, 324 - 00161 – Rome, Italy

Sector Full-time employee on permanent contract

Dates November 2008 onwards

Occupation or position held Adjunct Professor

Main activities and responsibilities Teaches in the following courses:

- 1) Degree in Medicine and Surgery Course "C"
  - Laboratory Medicine I
  - Laboratory Medicine II
- 2) Degree in Medicine and Surgery Course "D"
  - Laboratory Medicine I
  - Laboratory Medicine II
- 3) Degree in Medicine and Surgery Course "E"
  - Laboratory Medicine I
  - Laboratory Medicine II
- 4) Bachelor's degree in biomedical laboratory techniques, Viterbo branch
  - Biochemical basis of diagnostic sciences, Molecular Biology module.
- 5) Postgraduate course in Clinical Pathology
  - Clinical Biochemistry and Clinical Molecular Biology

Name and address of employer Department of Cell Biotechnologies and Haematology , "Sapienza" University of Rome – V.le Regina Elena, 324 - 00161 – Rome, Italy

Sector Full-time employee

Dates	December 2007 to October 2008
Occupation or position held	Medical Assistant on duty in the Clinical Biochemistry Unit BDB02
Main activities and responsibilities	Validation of diagnostic laboratory tests
Name and address of employer	Policlinico Umberto I – V.le del Policlinico, 155 - 00161 – Rome, Italy
Sector	Full-time employee on contract
Dates	Year 2007
Occupation or position held	Research contract
Main activities and responsibilities	Development of a research project entitled: "Genotype-Phenotype correlation study in Cystic Fibrosis using multivariate statistical analysis and creation of a catalogue of Functional mutations of the CFTR gene".
Name and address of employer	Department of Paediatrics, "Sapienza" University of Rome – V.le Regina Elena, 324 - 00161 – Rome, Italy
Sector	Full-time employee on contract
Dates	October – June 2006
Occupation or position held	Assistant Professor
Main activities and responsibilities	Professional tutoring of Medicine students attending the Course of "The basis of laboratory Medicine" I and II.
Name and address of employer	"Sapienza" University of Rome – Faculty of Medicine, Latina branch - Corso della Repubblica, 79 - 04100 - Latina, Italy
Sector	Full-time employee on contract
Dates	Year 2006
Occupation or position held	Professor
Main activities and responsibilities	Taught "Clinical Biochemistry and Molecular biology" at the Faculty of Mathematical, Physical and Natural Sciences, Course of Health Biology
Name and address of employer	University of L'Aquila - Via Giovanni Falcone, 25 – 67100 - Coppito (AQ)
Sector	Full-time employee on contract
Dates	Year 2006
Occupation or position held	Research fellowship
Main activities and responsibilities	Development of a research project entitled: "Genetic and functional characterization of atypical forms of Cystic Fibrosis".
Name and address of employer	Department of Pediatrics, "Sapienza" University of Rome – V.le Regina Elena, 324 - 00161 – Rome, Italy
Dates	Year 2005
Occupation or position held	Research fellowship
Main activities and responsibilities	Development of a research project entitled: "CFTR gene correction in human embryonic stem cells mediated by Small Fragment Homologous Replacement (SFHR)"
Name and address of employer	Italian Cystic Fibrosis Research Foundation - Ospedale Maggiore, Piazzale Stefani, 1 – 37126 - Verona, Italy
Dates	Year 2004
Occupation or position held	Research fellowship
Main activities and responsibilities	Development of a research project entitled: "Selection and functional characterization of CFTR intronic sequence variations potentially causing atypical forms of Cystic Fibrosis: modulation of CFTR alternative splicing?"
Name and address of employer	Italian Cystic Fibrosis Research Foundation - Ospedale Maggiore, Piazzale Stefani, 1 – 37126 - Verona, Italy

Dates	Year 2003
Occupation or position held	Research fellowship
Main activities and responsibilities	Extended genetic analysis of the CFTR with the Sanger sequencing technique.
Name and address of employer	Department of Cell Biotechnologies and Hematology, "Sapienza" University of Rome – V.le Regina Elena, 324 - 00161 – Rome, Italy
Dates	November 1998 to December 2003
Occupation or position held	Internship
Main activities and responsibilities	Worked as a post-graduate student in Clinical Pathology, for the Cystic Fibrosis Regional Reference Center (Lazio), performing genetic analysis of the CFTR gene. As a trainee Medical Assistant, he was on duty at the Laboratory of the Policlinico "Umberto I" of Rome. During this time, he continued collaborating on projects concerning the blood brain barrier.
Dates	December 1995 to July 1998
Occupation or position held	Internship
Main activities and responsibilities	Worked as a medical school student at the Department of Biochemical Sciences "A. Rossi Fanelli", "Sapienza" University of Rome. During this period, he studied the mechanism of short neutral peptides transport across the blood brain barrier.

### Education and training

Dates	April 2007
Title of qualification awarded	PhD in Surgical Physiopathology and Gastroenterology. Experimental thesis entitled: "Granulocyte-Monocyte apheresis in the treatment of patients with steroid dependent/resistant Ulcerative Colitis: Effects on the monocyte subset".
Name and type of organisation providing education and training	"Sapienza" University of Rome, Italy.
Dates	December 2003
Title of qualification awarded	Postgraduate degree in Clinical Pathology
Name and type of organisation providing education and training	"Sapienza" University of Rome, Italy.
Dates	July 1998
Title of qualification awarded	Degree in medicine
Name and type of organisation providing education and training	"Sapienza" University of Rome, Italy.

### Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) **English**

Self-assessment

*European level (\*)*

**Language**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent User	C1	Proficient User	B2	Independent User	B2	Independent User	B2	Independent User

(\*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu)

## Additional information

### Scientific Publications

- 1) Pascale E., di Battista M. E., Rubino A., Purcaro C., Valente M., Fattapposta F., **Ferraguti G.**, Meco G. (2016). Genetic architecture of MAPT gene region in parkinson disease subtypes. FRONTIERS IN CELLULAR NEUROSCIENCE, vol. 10, ISSN: 1662-5102, doi: 10.3389/fncel.2016.00096 I. F. 4.609
- 2) Fiore M., Ceccanti M., Carito V., Tarani L., **Ferraguti G.**, Chaldakov G. N. (2016). Neurotrophins' Modulation by Olive Polyphenols. CURRENT MEDICINAL CHEMISTRY, ISSN: 1875-533X I. F. 3.455
- 3) Ceccanti M., Coccorello R., Carito V., Ciafrè S., **Ferraguti G.**, Giacobuzzo G., Mancinelli R., Tirassa P., Chaldakov G. N., Pascale E., Ceccanti M., Codazzo C., Fiore M. (2016). Paternal alcohol exposure in mice alters brain NGF and BDNF and increases ethanol-elicited preference in male offspring. ADDICTION BIOLOGY, vol. 1, p. 776-787, ISSN: 1355-6215, doi: 10.1111/adb.12255 I. F. 4.547
- 4) Lucarelli M., Bruno S. M., Pierandrei S., **Ferraguti G.**, Testino G., Truglio G., Strom R., Quattrucci S. (2016). The Impact on Genetic Testing of Mutational Patterns of CFTR Gene in Different Clinical Macrocategori es of Cystic Fibrosis. JOURNAL OF MOLECULAR DIAGNOSTICS, vol. 18, p. 554-565, ISSN: 1525-1578, doi: 10.1016/j.jmoldx.2016.02.007 I. F. 5.201
- 5) Lucarelli M., Bruno S. M., Pierandrei S., **Ferraguti G.**, Stamato A., Narzi F., Amato A., Cimino G., Bertasi S., Quattrucci S., Strom R. (2015). A Genotypic-oriented View of CFTR Genetics Highlights Specific Mutational Patterns Underlying Clinical Macro-categories of Cystic Fibrosis. MOLECULAR MEDICINE, vol. 21, p. 257-275, ISSN: 1076-1551, doi: 10.2119/molmed.2014.00229 I. F. 3.530
- 6) **Ferraguti G.**, Pascale E., Codazzo C., Passarelli F., Mancinelli R., Bonvicini C., Bruno S.M., Lucarelli M., Ceccanti M. . (2015). Alcohol Dependence and Serotonin Transporter Functional Polymorphisms 5-HTTLPR and rs25531 in an Italian Population. ALCOHOL AND ALCOHOLISM, vol. 50, p. 259-265, ISSN: 0735-0414, doi: 10.1093/alcac/agn014 I. F. 2.724
- 7) **Ferraguti G.**, Pascale E., Lucarelli M. (2015). Alcohol addiction: a molecular biology perspective. CURRENT MEDICINAL CHEMISTRY, vol. 22, p. 670-684, ISSN: 0929-8673, doi: 10.2174/0929867321666141229103158 I. F. 3.455
- 8) Montali A., Truglio G., Martino F., Ceci F., **Ferraguti G.**, Ciociola E., Maranghi M., Gianfagna F., Iacoviello L., Strom R., Lucarelli M., Arca M. (2015). Atherogenic dyslipidemia in children: evaluation of clinical, biochemical and genetic aspects. PLOS ONE, vol. 10, p. 10(4):e0120099, ISSN: 1932-6203, doi: 10.1371/journal.pone.0120099 I. F. 3.057
- 9) Fuso A., **Ferraguti G.**, Scarpa S., Ferrer I., Lucarelli M. (2015). Disclosing bias in bisulfite assay: MethPrimers underestimate high DNA methylation. PLOS ONE, vol. 10:e0118318, p. 1-12, ISSN: 1932-6203, doi: 10.1371/journal.pone.0118318 I. F. 3.057
- 10) Luchetti A., Filareto A., Sanchez M., **Ferraguti G.**, Lucarelli M., Novelli G., Sangiuolo F., Malgieri A. (2012). Small Fragment Homologous Replacement: Evaluation of Factors Influencing Modification Efficiency in an Eukaryotic Assay System. PLOS ONE, vol. 7, p. e30851, ISSN: 1932-6203, doi: 10.1371/journal.pone.0030851 I. F. 4.411
- 11) **Ferraguti G.**, Pierandrei S., Bruno S. M., Ceci F., Strom R., Lucarelli M. (2011). A template for mutational data analysis of the CFTR gene. CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol. 49, p. 1447-1451, ISSN: 1434-6621, doi: 10.1515/cclm.2011.604 I. F. 2.069
- 12) Fuso A., **Ferraguti G.**, Grandoni F., Ruggeri R., Scarpa S., Strom R., Lucarelli M. (2010). Early demethylation of non-CpG, CpC-rich, elements in the myogenin 5'-flanking region A priming effect on the spreading of active demethylation? CELL CYCLE, vol. 9, p. 3965-3976, ISSN: 1538-4101, doi: 10.4161/cc.9.19.13193 I. F. 4.999

- 13) Narzi L., **Ferraguti G.**, Stamato A., Narzi F., Valentini S.B., Lelli A., Delaroché I., Lucarelli M., Strom R., Quattrucci S. (2007). Does cystic fibrosis neonatal screening detect atypical CF forms? Extended genetic characterization and 4-year clinical follow-up. *CLINICAL GENETICS*, vol. 72, p. 39-46, ISSN: 0009-9163, doi: 10.1111/j.1399-0004.2007.00825.x **I. F. 3.181**
- 14) Lucarelli M., Narzi L., Piergentili R., **Ferraguti G.**, Grandoni F., Quattrucci S., Strom R. (2006). A 96-well formatted method for exon and exon/intron boundary full sequencing of the CFTR gene. *ANALYTICAL BIOCHEMISTRY*, vol. 353, p. 226-235, ISSN: 0003-2697, doi: 10.1016/j.ab.2006.03.022 **I. F. 2.948**
- 15) Cardelli P., Scarpa S., Ceci F., Lucarelli M., Tabacco F., **Ferraguti G.**, Brisdelli F., Strom R., Bozzi A. (2002). Effects of different oxidizing agents on neutral amino acid transport systems in isolated bovine brain microvessels. *NEUROCHEMISTRY INTERNATIONAL*, vol. 41, p. 29-36, ISSN: 0197-0186, doi: 10.1016/s0197-0186(01)00139-5 **I. F. 2.902**
- 16) Cardelli P., Fiori A., Corleto V.D., Savi M.R., Granata F., Ceci F., **Ferraguti G.**, Potenza R.L., Delle Fave G., Jensen R.T., Strom R. (2001). Inhibitory effect of somatostatin on neutral amino acid transport in isolated brain microvessels. *JOURNAL OF NEUROCHEMISTRY*, vol. 78, p. 349-357, ISSN: 0022-3042, doi: 10.1046/j.1471-4159.2001.00412.x **I. F. 4.834**

FIRMATO

GIAMPIERO FERRAGUTI