



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s)

Eleonora Turrini

Address(es) Via Bellaria, 55 40139 Bologna

Telephone(s) + 39 051 2095636 (work) 051 532280 (home)

Mobile: + 39 339 5353256

Fax(es) * 39 051 2095624 (work) 051 532280 (home)

E-mail eleonora.turrini@unibo.it

Nationality Italian

Date of birth 17th of July 1981, Sassuolo (Modena) Italy

Gender Female

Work experience

Dates **September 2015-September 2018**

Occupation or position held **RTDa** (Art. 24 co.3 lettera a L.240/2010)

Main activities and responsibilities Principal Investigator for the project SIR (Scientific Independence of young Researchers) 2014 (DD 23 gennaio 2014, n. 193) Non-thermal plasma as an innovative anticancer strategy: in vitro and ex vivo studies on leukemia models (RBS114DBMB)

Name and address of employer University of Bologna, Rimini Campus, Department for Life Quality Studies

Type of business or sector *Alma Mater Studiorum* - University of Bologna

Dates **February 2015-September 2015**

Occupation or position held **Research fellow**

Main activities and responsibilities Laboratory activities in the field of Pharmacogenomics and Molecular and Cellular Toxicology

Name and address of employer University of Bologna, Rimini Campus, enrolled in the project *Evaluation of the antiosteoporotic potential and safety of use of extracts of natural origin*

Type of business or sector *Alma Mater Studiorum* - University of Bologna

Dates **February 2014-January 2015**

Occupation or position held **Research fellow**

Main activities and responsibilities Laboratory activities in the field of Pharmacogenomics and Molecular and Cellular Toxicology

Name and address of employer University of Bologna, Rimini Campus, enrolled in the project *Preclinical study of the antitumor activity of synthetic isothiocyanates*.

Type of business or sector *Alma Mater Studiorum* - University of Bologna

Dates **October 2014-January 2015**

Award International Short Visit from Swiss National Science Foundation, Department of Biomedicine, Oncology Surgery Laboratory, University of Basel, Switzerland, coordinated by Prof. Giulio Spagnoli

Main activities and responsibilities Laboratory activities in the field of immunogenic cell death.

Dates **November 2013**

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| Occupation or position held | Guest scientist , Department of Biomedicine, Oncology Surgery Laboratory, University of Basel, Switzerland, coordinated by Prof. Giulio Spagnoli |
| Main activities and responsibilities | Laboratory activities in the field of 3D cell cultures |
| Dates | January 2013-January 2014 |
| Occupation or position held | Research fellow |
| Main activities and responsibilities | Laboratory activities in the field of Pharmacogenomics and Molecular and Cellular Toxicology |
| Name and address of employer | University of Bologna, Rimini Campus, enrolled in the project <i>Botanical drugs: in vitro and ex vivo study of their anticancer activities</i> . |
| Type of business or sector | <i>Alma Mater Studiorum</i> - University of Bologna |
| Dates | January 2012- January 2013 |
| Occupation or position held | Research fellow |
| Main activities and responsibilities | Laboratory activities in the field of Pharmacogenomics and Molecular and Cellular Toxicology |
| Name and address of employer | University of Bologna, Rimini Campus, enrolled in the project <i>MicroRNA in the identification and development of new in vitro anticancer strategies</i> |
| Type of business or sector | <i>Alma Mater Studiorum</i> - University of Bologna |
| Dates | January 2011 – January 2012 |
| Occupation or position held | Research fellow |
| Main activities and responsibilities | Laboratory activities in the field of Pharmacogenomics and Molecular and Cellular Toxicology |
| Name and address of employer | University of Bologna, Rimini Campus, enrolled in the project <i>MicroRNA and nutraceuticals of plant origin: protective role for human health</i> |
| Type of business or sector | <i>Alma Mater Studiorum</i> - University of Bologna |
| Dates | February 2009 – February 2010 and May 2010 |
| Occupation or position held | Guest scientist , University of Schleswig-Holstein, Faculty of Clinical and Experimental Pharmacology, Kiel, Germany, directed by Prof. Dr. Dr. Ingolf Cascorbi |
| Main activities and responsibilities | Laboratory activities in the field of Pharmacogenetics and Pharmacogenomics |
| Name and address of employer | University of Bologna |
| Type of business or sector | <i>Alma Mater Studiorum</i> - University of Bologna |
| Dates | January 2008 – December 2010 |
| Occupation or position held | Scholarship of the Italian Ministry of Education, University and Research |
| Main activities and responsibilities | PhD student, course of Biotechnology, Pharmacology and Toxicology, project n.2 Pharmacology and Toxicology, XXIII cycle, University of Bologna, Faculty of Pharmacy, Department of Pharmacology, Laboratory of Cellular and Genetic Toxicology directed by Prof. Patrizia Hrelia |
| Name and address of employer | Department of Pharmacology, University of Bologna |
| Type of business or sector | <i>Alma Mater Studiorum</i> - University of Bologna |
| Dates | March – November 2007 |
| Occupation or position held | Scholarship of the Italian Ministry of Education, University and Research (PRIN 2005, announcement n.2020) on <i>Novel pharmacologic strategies to overcome pharmaco-resistance of human tumor with sulforaphane</i> . |
| Main activities and responsibilities | Laboratories activities in the field of Pharmacogenetics |
| Name and address of employer | Department of Pharmacology, University of Bologna |
| Type of business or sector | <i>Alma Mater Studiorum</i> - University of Bologna |
| Dates | January – July 2007 |
| Occupation or position held | Apprentice |
| Main activities and responsibilities | Practice of the profession of Pharmacist |
| Name and address of employer | Pharmacy, Fossolo 2 sas Bologna |

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| Type of business or sector | Pharmacy |
| Dates | June – July 1999 |
| Occupation or position held | Factory worker |
| Name and address of employer | Factory Euro 4 Fiorano (Modena) |
| Type of business or sector | Factory |
| Education and training | |
| Dates | 30 September – 2 October 2010 |
| Principal subjects/occupational skills covered | EACPT Summer School , Individualized Medicine in the Postgenomic Era, Dresden, Germany |
| Dates | 7 -18 September 2009 |
| Principal subjects/occupational skills covered | Baltic Summer School , Genetic bases of medicine, Kiel, Germany |
| Dates | 21 – 24 June 2009 |
| Principal subjects/occupational skills covered | Minerva Summer School on Pharmacogenetics, Improving the safety and efficacy of medicines, Tel-Aviv, Israeli |
| Dates | January 2008 – December 2010 |
| Title of qualification awarded | Dottore di ricerca in Farmacologia e Tossicologia (equivalent to PhD in Pharmacology and Toxicology). Title of dissertation: <i>Influence of genetic variants and post-transcriptional factors on imatinib transporters as determinants of the pharmacological response</i> |
| Principal subjects/occupational skills covered | Pharmacogenetics and Pharmacogenomics |
| Name and type of organisation providing education and training | Alma Mater Studiorum - University of Bologna |
| Level in national or international classification | 6 (Second stage of tertiary education) |
| Dates | 2007 |
| Title of qualification awarded | License to practice the profession of Pharmacist |
| Principal subjects/occupational skills covered | Italian State Examination, including apprentice period plus written, practical and oral examination |
| Name and type of organisation providing education and training | Alma Mater Studiorum University of Bologna |
| Dates | December 2006 |
| Title of qualification awarded | Degree in Pharmaceutical Chemistry and Technology (110/110). Title of dissertation: <i>Genetic polymorphisms as determinants of susceptibility for chronic myeloid leukemia</i> |
| Principal subjects/occupational skills covered | Long degree course consisting in five-years period examination, including laboratory trainee. Last year: Toxicology |
| Name and type of organisation providing education and training | Alma Mater Studiorum - University of Bologna |
| Level in national or international classification | 5 (First stage of tertiary education) |
| Dates | September 1995 – July 2000 |
| Title of qualification awarded | High School Degree |
| Principal subjects/occupational skills covered | Liceo Education (Linguistic Liceo, five-years study course) |
| Name and type of organisation providing education and training | Linguistic Liceo Maria Immacolata, Palagano (Modena) |
| Level in national or international classification | 3 (Upper Secondary Education) |

Personal skills and competencesMother tongue(s) **Italian**

Other language(s)

Self-assessment

European level ()***English****French****German**

| Understanding | | Speaking | | Writing |
|---------------|-------------------|--------------------|-------------------|-------------------|
| Listening | Reading | Spoken interaction | Spoken production | |
| C1 | Proficient user | Proficient user | Proficient user | Proficient user |
| B1 | Intermediate user | Intermediate user | Intermediate user | Intermediate user |
| A2 | Basic user | Basic user | Basic user | Basic user |

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Team work – I have worked in various type of research group. I am interactive and communicative.
 Mediating skills – I spend time as educator with young people and I teach to students
 Intercultural skills – My experience abroad give me the possibility to interact in a European context

Organisational skills and competences

Efficient, punctual and reliable.

Technical skills and competences

The technical experience includes DNA and RNA extraction from blood or cell cultures with lysis solution and mini-kit, molecular biology techniques as PCR-RFLP, Real Time PCR, RT-PCR and electrophoresis, cell cultures, 3D cell culture, cell transfection, western blot, immunofluorescence, flow cytometry, capillary electrophoresis on chip.

Computer skills and competences

Microsoft Office (Word, Excel, Power Point, Outlook).
 Statistical program (Prism)

Driving licence

Driving Licence B

Main Research Interests

Cancer Pharmacology:

The most relevant problems of chemotherapy consist on the marked toxicity profile of most drugs used today and the increasingly frequent appearance of chemoresistance. Thus, cancer remains a formidable therapeutic challenge that requires the identification and the development of novel agents for the treatment of this disease.

The aim of my research activity actually consists in the identification of natural compounds as new anticancer agents and the characterization of their mechanism of action at cellular and molecular level.

The activity of the molecules is investigated on different cancer cell models (primary cultures, cell lines, *ex vivo* systems). The first step is the evaluation of the effects at cellular level, in terms of cyto- and genotoxicity, modulation of cell proliferation, induction of apoptosis, modulation of cell-cycle progression, induction of cytodifferentiation. Based on these results, the research is directed towards the planning and execution of specific investigations, aimed at the analysis of specific pathways and molecular targets underlying the anticancer potential of the tested substances for specific cancers, including the analysis of specific microRNA, as post transcriptional regulators of genes involved in cancer process.

Pharmacogenetics and Pharmacogenomics:

The research interests are focused on *pharmacogenetics* the analysis of genes coding for specific drug-metabolising and transporters enzymes. In the long run, these analyses may lead to the identification of a subset of genetic polymorphisms (SNPs) with predictive value for the optimisation of therapy.

Moreover, the interests are on *molecular biology-mutation*, with the aim to identify genes underlining cancer susceptibility. In addition SNPs are analysed in many cancer-related genes.

Society Memberships

Italian society of Toxicology (SITOX), from 2009
 Italian society of Pharmacology (SIF), from 2012

Funding from public Institution

- Neuantrag auf Gewährung einer Sachbeihilfe durch die Werner und Klara Kreitz-Stiftung, *Einfluss der miRNA Expression auf die Kinetik und die Wirksamkeit von imatinib bei der Therapie der Chronischer Myeloischer Leukaemie (CML)*, 2009, responsible: Prof. Dr. Dr. Ingolf Cascorbi, Dr. Sierk Haenisch.
- PRIN 2009 Italian Ministry of the University and Scientific and Technological Research “Utilizzo di composti deuterati nel contenimento del danno ossidativo cellulare: aspetti tossicologici e farmacologici”, Research Unit participant, Scientific National Coordinator: Prof. Carmela Fimognari.
- International Short Visit from Swiss National Science Foundation (SNSF), Award CHF 9'280.00 (2014), Collaboration with Prof. Giulio Cesare Spagnoli, University Hospital in Basel, Basel, October 27 – January 30.
- FARB 2013, Research Unit participant, New mineralogical and crystallographic method for stress tensor analysis of hydroxylapatite at nanoscale: osteoporosis revisited in knowledge, prevention and therapy.

Honours and Awards

- Scholarship for Baltic Summer School, *Genetic basis of medicine* (2009), Kiel, Germany, September 7-18.
- Scholarship for Summer School (2010), European Association of Clinical Pharmacology and Therapeutics (EACPT), Dresden, Germany Sept 30 – Oct 2, 2010.
- 4 Prizes from the Italian Society of Pharmacology for the collaboration to “SIF Farmacogenetica” (October 2011, November 2012, January 2014, February 2015).
- International Short Visit from Swiss National Science Foundation (SNSF), Award CHF 9'280.00, Collaboration with Prof. Giulio Cesare Spagnoli, University Hospital in Basel, Basel, October 27 – January 30, 2014.
- Poster awards at the 17° National Congress of Italian Toxicology Society (SITOX), Milan, March 17-20, 2015.