

# CURRICULUM VITAE ET STUDIORUM

## Personal Information

Lucia INFANTINO



Date of birth / Gender F / Nationality Italian

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## Work Experience

January 2019 onwards

### RESEARCH FELLOW

PROJECT: "Nuclear long non-coding RNAs encoded by the gene for splicing factor SRSF1: links with the nutrient stress response" (IGMBS0062018PV)

SCIENTIFIC RESPONSIBLE: Dr. GIUSEPPE BIAMONTI

LABORATORY OF MOLECULAR AND CELLULAR BIOLOGY OF THE NUCLEUS

INSTITUTE OF MOLECULAR GENETICS-CNR, VIA ABBIATEGRASSO 207, 27100 PAVIA, IT

-During my fellowship I performed techniques of molecular and cellular biology such as gene knockdown by using siRNA and creation of stable cell lines expressing GFP tagged proteins. I also performed more advanced molecular biology techniques such as RNA immunoprecipitation in native conditions and with formaldehyde or UV crosslinking and RNA extraction for genome-wide transcriptome profiling. Furthermore I learned to analyze RNAseq data by using different bioinformatic tools such as: UCSC genome browsers, exonmine and string.

January-December 2018

### RESEARCH FELLOW

AIRC PROJECT: "Nuclear long non-coding RNAs encoded by the gene for splicing factor SRSF1: links with the nutrient stress response" (IGMBS0022017PV)

SCIENTIFIC RESPONSIBLE: *Dr. GIUSEPPE BIAMONTI*

LABORATORY OF MOLECULAR AND CELLULAR BIOLOGY OF THE NUCLEUS

INSTITUTE OF MOLECULAR GENETICS-CNR, VIA ABBIATEGRASSO 207, 27100 PAVIA, IT

-During my fellowship I broadened my laboratory practical skills in carrying out molecular and cellular biology techniques such as: RNA extraction, RNA retro-transcription, RT-PCR, RT-qPCR , protein extraction and quantification, Western blotting (WB), proteins immunoprecipitation (IP), cell cultures, colorimetric assay for metabolic analysis and microscopy techniques (in light-field, fluorescence and confocal)

**March-July 2017**

**TEACHER** of HYGIENE ELEMENTS

PROFESSIONAL TRAINING COURSE FOR "HEALTHCARE ASSISTANT"

RESPONSIBLE: *PROFESSOR* SILVANA MORGANTE

FULL FORMING, VIA CONCORDATO 9, 89015 PALMI (RC), IT

**July-December 2017**

**TEACHER** of SECURITY AND PROTECTION OF THE HEALTH OF MINORS

PROFESSIONAL TRAINING COURSE FOR "CHILDHOOD ASSISTANT"

RESPONSIBLE: *PROFESSOR* SILVANA MORGANTE

FULL FORMING, VIA CONCORDATO 9, 89015 PALMI (RC), IT

**July-December 2017**

**TEACHER** of DIET IN PEDIATRIC AGE

PROFESSIONAL TRAINING COURSE FOR "CHILDHOOD ASSISTANT"

RESPONSIBLE: *PROFESSOR* SILVANA MORGANTE

FULL FORMING, VIA CONCORDATO 9, 89015 PALMI (RC), IT



## Education

**2017**

**REGISTRATION TO THE NATIONAL ORDER OF ITALIAN BIOLOGISTS** with the order number AA078664

**2016**

**QUALIFICATION TO THE PROFESSION OF BIOLOGIST**

University of Pavia; PAVIA, IT

**2015**

**MASTER' S DEGREE** in MOLECULAR BIOLOGY AND GENETICS (master program taught in English)

Thesis (experimental): Generation of isogenic cell lines expressing mutated forms of the Cockayne syndrome group A (CSA) protein by Recombinase Mediated Cassette Exchange

Vote 103/110

Supervisor: *Dr* Donata Orioli

University of Pavia; PAVIA, IT

**2012-2015**

**INTERNSHIP FOR EXPERIMENTAL THESIS**

Scientific responsible: *Dr* Donata Orioli

Laboratory of genetics and human genomics

Institute of molecular genetics-CNR, via Abbiategrasso 207, 27100 PAVIA, IT

-I performed many different scientific experiments by using techniques such as: DNA extraction and amplification, qPCR, RNA extraction, plasmid generation, bacterial transformation, cell culture and fibroblast transfection with plasmid to generate isogenic cell lines stably expressing mutated forms of CSA protein by taking advantage of Cre-Recombinase Mediated Cassette Exchange technique. Furthermore I performed: protein extraction, western blotting, tandem affinity purification (double protein immunoprecipitation). I learned to use bioinformatics tools such as: PubMed, NCBI, Nucleotide e Gene; BLAST, FinchTV, dbSNP, ImageJ.



**2011**

**BACHELOR' S DEGREE** in BIOLOGICAL SCIENCES

Thesis (theoretical dissertation): Funzioni e struttura della Ribonucleasi-P

Vote 101/110

Supervisor: *Dr. Maria Rosa Felice*

University of Messina; MESSINA, IT

**October 2007- July 2008**

**ERASMUS PROJECT**

Host University: University of Extremadura, Badajoz, ES

**2007**

**WORK PLACEMENT (150 hours)** in a LABORATORY OF MICROBIOLOGY AND VIROLOGY

Papardo HOSPITAL, MESSINA, IT

## **Scientific Publications**

**1) Heat Shock Affects Mitotic Segregation of Human Chromosomes Bound to Stress-Induced Satellite III RNAs.**

Giordano M, Infantino L, Biggiogera M, Montecucco A, Biamonti G.  
Int J Mol Sci. 2020 Apr 17;21(8).

**2) An Intricate Connection between Alternative Splicing and Phenotypic Plasticity in Development and Cancer.**

Biamonti G, Infantino L, Gaglio D, Amato A.  
Cells. 2019 Dec 21;9(1)

**3) Alternative splicing in Alzheimer's disease.**

Biamonti G, Amato A, Belloni E, Di Matteo A, Infantino L, Pradella D, Ghigna C.  
Aging Clin Exp Res. 2019 Oct 3. doi: 10.1007/s40520-019-01360-x.



## Partecipation at congress

**1) ABCD MEETING** -The biennal congress of Italian association of cell biology and differentiation-19/21 September 2019, BOLOGNA (ITALY)

**Poster:** Infantino L., Amato A., Pignataro D., Brenna G., Catillo M., Biamonti G.

"Cell metabolism influences the splicing program of SRSF1 transcripts"

**2) ABCD MEETING** -From stress response to tissue development and regeneration- 28/29 September 2018, PAVIA (ITALY)

**Poster:** Infantino L., Amato A., Pignataro D., Brenna G., Catillo M., Biamonti G.

"Metabolic stress impacts the splicing program of *SRSF1* transcripts via JMJD6"

## Personal skills and competences

### Languages

**Mother tongue:** ITALIAN

Other language

**SPANISH**            **C2**            (maximum level)

**ENGLISH**           **B2**

### Relational skills

- strong enthusiasm about learning from colleagues to improve professionally and personally
- superior ability to work in team or in interdisciplinary collaborative environments
- excellent ability to build fruitful collaborative networks
- remarkable personal tendency to resolve conflicts

### Communication skills

- excellent verbal and written communication skills
- remarkable teaching skills



**Organizational skills**

- notable ability to plan and organize the work respecting the priority
- superior ability to work under pressure strictly respecting deadlines

**Informatics skills**

- excellent knowledge of windos operating systems, chrome, internet explorer and outlook express
- excellent knowledge of Microsoft Office Suite (excel,word and powerpoint)
- excellent knowledge of Adobe Illustrator and Photoshop
- excellent knowledge of databases and bioinformatics tools (pubmed, ensemble, NCBI...)

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000. Inoltre, in riferimento alla legge 196/2003 autorizzo espressamente l'utilizzo dei miei dati personali e professionali riportati nel presente curriculum.

Pavia 21-10-2020

Firma

A handwritten signature in black ink, appearing to read 'Roberto Sestini', written in a cursive style.