

PERSONAL INFORMATION

Federica Grisafi



POSITION

Biologist

WORK EXPERIENCE

Da 01/11/2017

PhD Student XXXIII cycle in Oncology and Experimental Surgery

02/2016–Present

Internship

Polyclinic "Paolo Giaccone" Hospital Company, Palermo (Italy)
Department of Surgical disciplines, Oncological and Stomatological. Prof. Antonio Russo medical Oncology Laboratory.

I worked on isolation and maintenance in culture of mesenchymal stem cells Adipose- tissue derived, on their differentiation in Chondrogenic, Osteoblastic and Adipocytic Lineages, and analysis of microRNAs pathways regulating differentiation of these cells.

I have experience in techniques such as cell culture, differentiation in mesenchymal lineages, RNA extraction, Reverse transcription, PCR and Real-Time array/assay, and on learning techniques work regarding primary cultures of colon cancer cells and breast.

Project Title: "Analysis of gene expression profiles of microRNAs in spheroids Stem Cells Adipose (S-ASCs) and their role on the maintenance of stem cell and mesenchymal differentiation"

25/09/2015–22/12/2015 **Internship**

Faculty of Chemical Engineering of the University of Palermo, (Italy) Department of Materials Engineering, nanotechnologies section. Prof. Clelia Dispenza Laboratory.

I worked on methods of preparation and characterization of macro-polymer structures hydrogels; swelling test, tensile strength test, observations under a transmission electron microscope. Methods of preparation of nanoparticles conjugated with biological molecules for applications in biomedicine

Project Title: "Design and characterization of hydrogels on the macro- and nano-scale and their applications in the biomedical field."

04/05/2015–18/09/2015 **Internship**

"DiBimef" Biopathology and Department of Medical Biotechnology of the University of Palermo, (Italy). Section of "biology and molecular genetics" Prof. Gregorio Seidita Laboratory.

I worked in the field of "forensic" on methods and techniques of personal identification and paternity analysis, study of the cases of low-copy number DNA and related stochastic effects, through the analysis of STR locus, DNA extraction, PCR and sequencing analysis .

Project title: "Genetic analysis of the STR locus in low-copy number samples"

31/03/2014–31/07/2014 **Internship**

Experimental Zooprohylactic Institute of Sicily "A.Mirri", Palermo (Italy)

I worked on methods for pattern recognition of Culicoides' species .

I have experience in molecular recognition techniques as extraction of DNA, multiplex PCR, and electrophoresis of nucleic acids.

EDUCATION AND TRAINING

11/2014–03/2017 **II level degree (Master) with a score of 100/100**

Medical Biotechnologies and Molecular Medicine, Palermo (Italy)

matters relating to mechanisms of biochemical and genetic processes, Biomedicine, Genetics Cancer, Immunology, Cellular Biology of stem cells, Molecular and Forensic.

Master thesis title : "Analysis of gene expression profiles of microRNAs in spheroids Stem Cells Adipose (S-ASCs) and their role on the maintenance of stem cell and mesenchymal differentiation"

09/2010–10/2014 **I level degree with a score of 109/110**

Biological Sciences, Palermo (Italy)

Matters relating to Biochemistry, Genetics, Molecular biology, Physiology, Cytology and Histology, Animal and Vegetal biology.

Bachelor thesis title : "Molecular identification of species belonging to the Culicoides Obsoletus Complex captured in Sicily in the year 2013. "

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B2	B1	B1	B1
French	A2	B1	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

Ability to work a group, adapt to multi-cultural environments, excellent communication skills matured in multiple situations where collaboration between different figures was indispensable

Organisational / managerial skills

Ability to organize work autonomously, ability to manage projects and groups, order and accuracy, good tutoring skills

Job-related skills

There is remarkable and remarkable curiosity for the research projects followed, high criticality and attentiveness analysis of the data obtained. Good self-esteem and strong ambition. Excellent knowledge of PCR, q-PCR techniques, gel electrophoresis, cell cultures, cell differentiation, DNA extraction, RNA, sequencing, bibliographic research and formation of hydrogels

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Basic user	Basic user

Digital competences - Self-assessment grid

"European Computer Driving Licence" ECDL

ADDITIONAL INFORMATION

Publicatios

A. Barbara Di Stefano Ph.D., Federica Grisafi, Luigi Montesano M.D. , Antonio Russo M.D. , Adriana Cordova M.D. , Francesco Moschella M.D. , Angelo A. Leto Barone M.D. Shaking The Ground You Walk On: Are Adipose-derived Stem Cells (ASCs) True Stem Cells? Abstract presentation at IFATS International Federation for Adipose Therapeutics and Science, Miami 2017.

personal data

B. Alessandro Perez*, Anna Barbara Di Stefano*, Marta Castiglia, Martina Sorrentino, Daniela Matranga, Federica Grisafi, Cristiano Corso, Gianluca Scoarughi, Gaetano Barbato, Nadia Barraco, Valentina Calò, Florinda Di Piazza, Daniela Massihnia, Angela Listi, Luisa Castellana, Aurelia Ada Guarini, Lavinia Insalaco, Enrico Bronte, Antonio Russo. The effects of LIPUS on ctDNA release in the medium of NSCLC cell lines. Abstract presentation at AIOM Associazione Italiana di Oncologia Medica, Roma 2017.
 Seminari e Conferenze

The undersigned acknowledges that, pursuant to art. 26 of Law 15/68, false statements, the falsified acts and use of false acts are punishable under the Penal Code and special laws. In addition, it authorizes the processing of personal data, as provided by Law 196/03