

Curriculum Vitae

Personal information

First name(s) / Surname(s) **Carmelo Parelo**

Address(es) [REDACTED]

Telephone(s) [REDACTED]

E-mail [REDACTED]

Nationality [REDACTED]

Date of birth [REDACTED]

Gender [REDACTED]

Occupational field **Scientific Employment, Cellular&Molecular Biology in Health Care**

Education and training

Dates	May 2013 – September 2014
Title of qualification awarded	Post-graduate Scholarship in Biomedical Imaging
Principal subjects/occupational skills covered	Cellular and Molecular Biology of Cancer Stem Cells, CytoFluorimetry and Cell Sorting, Cell Imaging in vivo, MRgFus (Magnetic Resonance guided Focused Ultrasound Surgery).
Name and type of organization providing education and training	Training: " Dipartimento di Fisiopatologia Cellulare e Molecolare – Università di Palermo", Paolo Giaccone Hospital, 90100 Palermo, Italy "Promedica Bioelectronics srl" Paolo Giaccone Hospital, 90100 Palermo, Italy. Scientific Tutor: Prof. Giorgio Stassi, Professor of Molecular Pathology, Università di Palermo.
	I've carried out one year track training from May 2013 to present days, in which I studied Cancer Stem Cells in different tumours models like Colon-Rectal Cancer and Glioblastoma. We have isolated and characterized the Stem Cell Niche of two tumour cell lines by Cytofluorimetry and tried to chemosensitize those ones using MRgFUS.
Date	November 2010 – March 2013
Title of qualification awarded	Master of Pharmaceutical Biotechnology, 110/110.
Principal subjects/occupational skills covered	Cellular and Molecular Biology, Molecular Genetics, Functional Genomics and Biochemical Mechanisms. Thesis Title: Preclinical Trial of new potential therapeutic targets in Medulloblastoma Cure

Name and type of organisation providing education and training

Education: "Alma Mater Studiorum – Università di Bologna", Bologna, Italy
Training: "Pediatric Oncohematology Division" - Sant'Orsola Malpighi Hospital, 40138, Bologna, Italy
University tutors : Roberto Tonelli, Professor of Pharmacology , Università di Bologna.

I've carried out one year track training from March 2012 to March 2013, in which I studied a new possible therapeutic approach based on a combination between Chemotherapics and a PNA anti-gene anti-MYCN in Medulloblastoma .

Dates November 2006 – October 2010

Title of qualification awarded **Bachelor in Biotechnology, 110/110 cum laude.**

Principal subjects/occupational skills covered Cytology, Genetics, Histology, Molecular Biology, Biochemistry, Biophysics, Microbiology and Immunology.
 Thesis Title: "Adenosin regulates the Function of Enteric Nervous System through activation of A1 e A2A receptors"
Education: Università degli studi di Palermo
Training Tutor : Maria Grazia Zizzo, Doctor of Physiology, University of Palermo
University Tutor : Rosa Serio, Professor of Physiology, University of Palermo

Name and type of organisation providing education and training **Education:** "Università degli studi di Palermo", Italy.
Training and Thesis: "Cellular and Molecular Biology Department" – University of Palermo, 90100, Palermo

Level in national or international classification ISCED 5

Dates 2001/2002 - 2005/2006

Title of qualification awarded High School (vote: 66/100).

Name and type of organisation providing education and training "*Liceo Scientifico Benedetto Croce*" – 4 Via Benfratelli, 90134, Palermo

Level in national or international classification ISCED 4

Personal skills and competences

Mother tongue	Italian									
Other language	English									
Self-assessment <i>European level (*)</i>	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production		Writing	
English	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

(*)Common European Framework of Reference for Languages

Technical skills and competences

Thanks to the training experience carried out at the Unity Research "Cell and Molecular Biology Department" (essential to obtain the Bachelor of Biotechnology) and also to the research activities at the University of Bologna (essential to obtain the Master of Molecular and Industrial Biotechnology), I have acquired the following technical skills:

Molecular Biology:

Genomic and Plasmidic DNA extraction, Total and Poly-A+ RNA extraction, PCR, RT-PCR, Q-PCR, Southern Blot, Northern Blot, Luciferase Assay.

Biochemistry:

Protein purification, Preparation of Eukaryotic nuclear and cytoplasmatic extract, Western blot, CitoPhluorimetry using BD FACSSerialI and FacsCalibur,).

Cell Biology:

Sterile culture of Human and Mouse cell lines, Trasfection techniques, Atplite Assay (Tecan Infinite F500).

Computer skills and competences

Excellent knowledge of Windows OS and Macintosh OS.
Excellent Knowledge of Microsoft Office software and Internet Browsers.
ECDL certification.
Excellent knowledge of Graphical Software like Photoshop and Pixelmator.

Artistic skills and competences

I usually listen to music to express my mood; visiting new places with my motorcycle is my passion; I also enjoy reading historical literature seeing that I believe the knowledge of past mistakes could allow mankind to make great strides. My natural attitude to problem solving, makes me very curious about Biochemistry & Phisiology. I love to Apply those principles in particular in Sports especially anaerobic and endurance excercises.
Education and positive learning about Healthy life principles for my children is my life goal.

Social skills and competences

I am a courteous and polite person. I am team player seeing that it allows you to learn more and to mature in your professional life as well as in your private one. During my training activities, I have often offered my help to my lab colleagues and I was always glad to have done so.
I have a natural ability in public speaking and transferring my ideas in a very charismatic manner.

Driving licence A - B

