

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

First Name

VALERIA

Last Name

PURPURA

Place and Date of Birth

November 28, 1982 Palermo, Italy

Address

Via Cesare Battisti 25, 47521 Cesena

E-mail

valeriapurpura@gmail.com

Cellular phone

+39 3282499018

Nationality

Italian

P.IVA

06271750827

WORK EXPERIENCE

Dates

03/02/2014 to date

Type of sector

EMILIA-ROMAGNA REGIONAL HEALTH SERVICE Emilia Romagna Regional Skin Bank –
Burn Centre - "Bufalini" Hospital, AUSL della Romagna - Cesena.

Occupation or position held

Self employed as a biotechnologist experienced in tissue engineering, banking activity for cutaneous tissue and decellularized dermal matrices.

Main activities and responsibilities

Implementation/realization and application of cellular therapies in the field of Skin Tissue Regenerative Medicine (keratinocyte and fibroblast cellular cultures) for the bioengineering of decellularized scaffolds. Design or implementation of preservation methods for decellularized dermal matrices (lyophilization, glycerolization, cryopreservation, room temperature) as well as new methods for their sterilization in collaboration with University (faculty of engineering).

Scientific design and realization of cell free scaffolds derived from different human tissues for their application in the field of Regenerative Medicine in collaboration with IRCSS and no profit associations. Realization of 3D tumor microtissue enriched with patient's cells for radiobiological and drug screen test in collaboration with IRCSS. Biological characterization of human tissue commercial products before and after their processing with innovative instrumentations in collaboration with pharmaceutical industries. Biological characterization of human adipose tissue and design of cellular methods to improve its clinical effectiveness in plastic and reconstructive surgery.

Support to the activities of processing, storage, validation, and distribution of cutaneous tissue according to rules of National Transplantation Centre (CNT 2013).

Type of sector

CENTRO MEDICO CERVIA SRL

CENTRO IPERBARICO SRL

Occupation or position held

Self employed as a biotechnologist experienced for the treatment of non-healing wounds, ulcers, alopecia and wrinkles for beauty treatments.

Main activities and responsibilities

Preparation of homologous platelet gel, preparation of autologous platelet gel, preparation of autologous PRP as a biorevitalizing

Dates	03/05/2013 – 30/09/2013
Name and address of employer	Dr. Maria Ersilia Lamioni Via Magna Grecia n.117, 00183 Rome
Type of sector	Praximedica Diagnostic Analytical Laboratory
Occupation or position held	Diagnostic analysis in the Microbiology and Molecular Biology Laboratories
Main activities and responsibilities	Analysis of biological samples cultured in solid agar medium for the growth of bacteria and fungi Molecular analysis of biological samples through real time PCR to identify bacteria or virus presence

EDUCATION AND TRAINING

Dates	24/09/2016
Qualification	Winner of fellowship for a training project in Clinical Biology "Congresso Nazionale ENPAB "I nuovi orizzonti della Biologia", Caserta, Italy
Dates	19/05/2016
Qualification	Winner of prize "Travel awards/ Italian Young Scientists ranking". WBC 2016 International Travel award Committee, Montreal, Canada
Dates	11/06/2014
Qualification	Winner of HAUSMANN & CO./PATEK PHILIPPE 2014 prize for researches in oncologic field
Dates	01/04/2012 – 31/03/2013
Qualification	Fellowship "Teresa Ariaudo 2011"
Principal subjects/ professional competence	Molecular mechanisms of human papillomavirus (HPV) biology and carcinogenesis in relation to their effects on fibroblast growth factor receptors (FGFRs). Analysis of HPV16 E5 protein effects on FGFR-mediated differentiation and proliferation processes in human keratinocytes by immunofluorescence, Western Blotting, real time RT-PCR methods, MTT test, BrdU assay and microRNA Taqman assays.
Institute	Istituto Pasteur-Fondazione Cenci Bolognetti, "Sapienza" University of Rome. Piazzale Aldo Moro 5 00185 Rome, Italy Research project title: "Role of the keratinocyte growth factor receptor (KGFR/FGFR2b) expression and signalling in the impairment of the epidermal cell differentiation induced by HPV16 E5 protein" The research project was carried out in the laboratory under quality control system. Supervisor: Maria Rosaria Torrisi Professor

Dates	01/11/08 - 26/01/2012
Qualification	Ph.D. in Experimental Medicine (cycle XXIV)
Principal subjects/ professional competence	<p>Molecular mechanisms involved in the modulation of fibroblast growth factor receptors (FGFRs) expression and their role in the differentiation, proliferation and phagocytosis processes in human epithelial cells. Endocytosis and signaling of receptor tyrosine kinases.</p> <p>Isolation and characterization of fibroblast and keratinocytes cells from human skin biopsies. Analysis of FGFR-mediated differentiation, proliferation, endocytic trafficking and phagocytosis processes in human keratinocytes by immunofluorescence, Western Blotting, real time RT-PCR methods and MTT test.</p> <p>The research projects was carried out in the laboratory under quality control system.</p>
University	<p>“Sapienza” University of Rome – Clinical and Molecular Department, directed by Maria Rosaria Torrisi Professor, Faculty of Medicine and Psychology, Piazza Sassari 3, 00161 Rome</p> <p>Doctoral thesis title: “Role of keratinocyte growth factor receptor (KGFR/FGFR2b) expression and signaling in the control of human keratinocyte differentiation”</p> <p>Supervisor: Maria Rosaria Torrisi Professor</p>
Meetings	<ol style="list-style-type: none"> Purpura V, Belleudi F, Torrisi MR. “Role of KGFR/FGFR2b in the control of human keratinocyte differentiation”. 11° Convegno Federazione Italiana Scienze della Vita (FISV), Riva del Garda 23-25 september, 2009. Belleudi F, Leone L, Purpura V, Cannella F, Scrofani C, French D, Torrisi MR. “16E5 affects epithelial growth and differentiation inhibiting the FGFR2b endocytic degradation”. 1st International Workshop on Papillomavirus E5 Oncogene, Anacapri 15-17 may, 2010. Purpura V, Raffa S, Belleudi F, Pittoni V, Di Somma S, Torrisi MR. “Il silenziamento genico come strumento per lo studio della trasduzione del segnale in fisiopatologia cardiaca e cutanea”. First National GREAT Network Congress, Roma 19-21 october, 2010. Purpura V, Belleudi F, Torrisi MR. “Human keratinocyte early differentiation: involvement of KGFR/FGFR2b expression and signalling”. ABCD Congress 2011, Ravenna 8-10 september, 2011. Purpura V, Belleudi F, Torrisi MR. “Human keratinocyte early differentiation: involvement of KGFR/FGFR2b expression and signalling”. Joint National Ph.D. Meeting, Gubbio 20-22 october, 2011. Purpura V, Caputo S, Belleudi F, Torrisi MR. “Role of the keratinocyte growth factor receptor (KGFR/FGFR2b) expression and signalling in the impairment of the epidermal cell differentiation induced by HPV16 E5 protein”. 12° Convegno Federazione Italiana Scienze della Vita (FISV), Roma 24-27 September, 2012. Purpura V (speaker) “Human keratinocyte early differentiation: involvement of KGFR/FGFR2b expression and signalling” BeMM Symposium 2012, Roma 13 April 2012. Purpura V, Ghetti M., Bondioli E., Minghetti P., Melandri M., Marchesini A., Parodi PC., Riccio M. “Biological Characterization of Adipose Tissue in Reconstructive and Regenerative Hand Surgery: a Preclinical Study” 21° SIUST Congress (Società Italiana Ustioni), Torino 16-20 November 2014” Purpura V, Ghetti M, Bondioli E, Melandri D, Riccio M. “Regenerative Approach in the Treatment of Peripheral Nerve Injuries: Decellularized Human Dermis (HDM) as a Biological Scaffold for Adipose Derived Stem Cells” Società Italiana Biomateriali (SIB), Portonovo (Ancona), 3-5 June 2015 Ghetti M, Barbieri D, Gherardi M, Laurita R, Stancampiano A, Purpura V, Melandri D, Minghetti P, Bondioli E, Colombo V “Evaluation of Sterility, Viability and Integrity of Infected Skin Tissue after Cold Atmospheric Plasma Treatment” Società Italiana Biomateriali (SIB), Portonovo (Ancona), 3-5 June 2015 Purpura V (speaker) Decellularized dermal scaffold for soft tissue regeneration. III ISMuLT Scientific workshop, Biomaterials and regenerative Medicine for the musculoskeletal system. Bologna, 24 Settembre 2015. Purpura V (speaker) Bondioli E, Orlandi C, Fini M, Cerasoli S, Cenacchi G, Melandri D. Scientific Design, realization and clinical use of human derived dermal matrix (HDM) in regenerative medicine. World Biomaterial Congress 2016 Montreal, Canada 17-22 Maggio 2016 Purpura V (speaker) Bondioli E, Graziano A, Trovato L, Melandri D, Ghetti M, Marchesini A,

Publications	<p>Cusella de Angelis MG, Benedetti L, Ceccarelli G, Riccio M. "Caratterizzazione biologica del tessuto cutaneo disgregato e sue applicazioni nell'ambito della Medicina Rigenerativa", Corato (Bari) 23-24 Settembre 2016.</p> <p>14.Purpura V (speaker), Bondioli E, Melandri D, Longobardi P. Regenerative Medicine: HBOT combined with Platelet Rich Plasma/Platelet gel and reconstructive surgery. World Union of Wound Healing Societies (WUWHS), Firenze, 25-29 Settembre 2016</p> <p>Purpura V., Bondioli E., Melandri D., Parodi PC., Valenti L. and Riccio M. (2016) "The Collection of Adipose Derived Stem Cells using Water-Jet Assisted Lipoplasty for their Use in Plastic and Reconstructive Surgery: A Preliminary Study" <i>Front. Cell Dev. Biol.</i>, 22 November 2016 http://dx.doi.org/10.3389/fcell.2016.00136</p> <p>Quinto C, Purpura V, Bondioli E, Minghetti P, Venezian T, Tschon M, Giavaresi G, Ghetti M, Fini M, Melandri D, Toni A. Liofilizzazione del derma omologo decellularizzato: un esempio di collaborazione tra banche dei tessuti. (2016) <i>Trapianti</i> Vol. 20 n.1.</p> <p>Purpura V, Bondioli E, Graziano A, Trovato L, Melandri D, Ghetti M, Marchesini A, Cusella De Angelis MG, Benedetti L, Ceccarelli G, Riccio M. Tissue characterization after a new disaggregation method for skin Micro-grafts generation. <i>Journal of Visualized experiments</i> (2016) Mar 4;(109). doi: 10.3791/53579.</p> <p>D'Acunto C, Neri I, Purpura V, Orlandi C, Melandri D. Extravasation injury of balanced electrolyte solution simulates the clinical condition of necrotizing fasciitis: a case report (2015) 3:466-468.</p> <p>Purpura V #, Persechino F#, Belleudi F, Scrofani C, Persechino S and Torrisi MR. Decreased expression of KGF/FGF7 and its receptor in pathological hypopigmentation". <i>Journal of Cellular and Molecular Medicine</i> (2014) 18: 2553-2557.</p> <p>Belleudi F#, Purpura V, Caputo S and Torrisi MR. "The keratinocyte growth factor regulates autophagy in keratinocytes: a peculiar dual role in the control of both autophagosome formation and turnover". <i>Autophagy</i> (2014); 10: 803-821.</p> <p>Purpura V#, Belleudi F#, Caputo S and Torrisi MR. "HPV16 E5 and KGFR/FGFR2b interplay in differentiating epithelial cells". <i>Oncotarget</i>. 2013; 4: 192-205.</p> <p>Belleudi F#, Purpura V#, Torrisi MR. "The receptor tyrosine kinase FGFR2b/KGFR controls early differentiation of human keratinocytes". <i>PLoS One</i>. 2011; 6 e24194.</p> <p># Contribute equally</p> <p>Belleudi F, Purpura V, Scrofani C, Persechino F, Leone L, Torrisi MR. "Expression and signaling of the tyrosine kinase FGFR2b/KGFR regulates phagocytosis and melanosome uptake in human keratinocytes". <i>FASEB J</i>. 2011; 25: 170-81.</p> <p>Belleudi F, Leone L, Purpura V, Cannella F, Scrofani C, Torrisi MR. "HPV16 E5 affects the KGFR/FGFR2b-mediated epithelial growth through alteration of the receptor expression, signaling and endocytic traffic". <i>Oncogene</i>. 2011;30: 4963 -76.</p>
Dates	28/11/2005 - 12/03/2008
Qualification	Degree in Medical, Molecular and Cellular Biotechnology (110/110 magna cum laude)
Principal subjects/ professional competence	Molecular mechanisms involved in mitochondrial toxicity induced by antiretroviral therapy in vivo and in vitro. Western Blotting, cytofluorimetric analysis, retroviral infection. Sample preparation for analysis by mass spectrometry

University	<p>“Sapienza” University of Rome, Faculty of Medicine and Surgery Laboratory of Cellular Biology, Istituto Nazionale Malattie Infettive “L.Spallanzani” (IRCSS) Via Portuense 292, 00149 Roma</p> <p>Degree thesis title: “The role of the prohibitin in the mitochondrial toxicity during HIV infection”</p> <p>Supervisor: Mauro Piacentini Professor</p>
Dates	1/10/2001 - 17/02/2005
Qualification	Degree in Medical Biotechnology (110/110 magna cum laude)
Principal subjects/ professional competence	Analysis of the protein-protein interaction on the plasma membrane in the <i>Saccharomyces cerevisiae</i> model system using the “reverse Ras Recruitment System”. <i>Saccharomyces cerevisiae</i> culture and genetic manipulation. <i>Escherichia coli</i> culture for plasmid amplification and propagation, genetic engineering techniques (agarose gel electrophoresis, restriction enzymes digestion of plasmid DNA, DNA ligation) DNA minipreparation, Maxiprep of plasmid DNA, Replica plating.
University	<p>University of Palermo, Faculty of Mathematics, Physics and Natural Science Laboratory of Biology and Genetics. Department of Biopathology and Biomedical Methodology, Via Divisi 83, 90133 Palermo</p> <p>Degree thesis title: “Protein-protein interaction: the reverse Ras Recruitment System”.</p> <p>Supervisor: Dr. Gregorio Seidita</p>
Dates	09/1996 - 07/ 2001
Qualification	Maturità Classica (93/100)
School	Liceo Classsico Statale “G. Meli” Via Aldisio 2, 90146 Palermo
Mother tongue	Italian
Other languages	English
Comprehension skills	GOOD
Writing skills	GOOD
Verbal skills	GOOD
Dates	1/10/2005 – 29/10/2005
Qualification	CERTIFICATE IN ENGLISH STUDIES
School	LANGUAGE STUDIES INTERNATIONAL (LSI), HAMPSTEAD, LONDON
Course	LSI INTENSIVE 30
Level	UPPER INTERMEDIATE

**PERSONAL SKILLS AND
COMPETENCES**

I am a friendly outgoing person who enjoys team working. I am interested in working abroad to know new and stimulating working multicultural environments. Infact, I am convinced that the exchange of different research experiences among people from different countries produces better results in the scientific field. I think that the comparison with other people from different countries is important for a personal and professional enrichment.

**TECHNICAL SKILLS
AND COMPETENCES**

GOOD KNOWLEDGE OF WORD, POWER POINT, EXCEL, PHOTOSHOP, INDESIGN

DRIVING LICENCE(S)

Driving licence B

Cesena 22/11/2016

Valeria Pupura