PERSONAL INFORMATION

Surname, Name	***Evangelista, Daniela***
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Nationality	Italian
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WORK EXPERIENCE

• Dates (from – to)	**February 2022 → present**
• Name of employer	National Research Council of Italy, Institute of Food Sciences (CNR-ISA), Avellino (Italy)
• Type of business or sector	Public Research Institution
• Position held	Research scientist

• Dates (from – to)	**July 2020 → January 2022**
• Name of employer	ProtoDesign s.r.l. Avellino (Italy)
• Type of business or sector	Private company
• Position held	Computer scientist

• Dates (from – to)	**November 2018 → June 2020**
• Name of employer	ISISS G. Ronca, Solofra (Av); ITE L. Amabile, Avellino (Italy)
• Type of business or sector	Public institution schools
• Position held	Computer Science Teacher

• Dates (from – to)	**February 2014 → September 2018**
• Name of employer	National Research Council of Italy, Institute for high performance computing and networking (CNR-ICAR), Naples (Italy)
• Type of business or sector	Public Research Institution
• Main activities	- Design and development of software and databases for the collection, integration and analysis of omics, clinical and experimental data
• Position held	Post-Doc fellowship

TRAINING EXPERIENCE

• Dates (from – to)	**March 2012 → October 2013**
• Name of employer	National Research Council of Italy, Institute for Computation Applications (CNR-IAC), Naples (Italy)
• Type of business or sector	Public Research Institution
• Main activities	- Implementation of statistical methods for the analysis of NGS data - Design and development of a "web-oriented resource" for the analysis of genes involved in the trisomy of human chromosome 21 available at the URL: http://bioinfo.na.iac.cnr.it/ALE-HSA21
• Position held	Phd student

• Dates (from – to)	**October 2010 → February 2012**
• Name of employer	Oncological Research Center of Mercogliano, CROM, Avellino (Italy)
• Type of business or sector	Campania Government Institution
• Main activities	- Design and development of an automatic diagnostic decision support system for identifying the diagnosis and prognosis of oncological and chronic metabolic diseases.
• Position held	MSc student

• Dates (from – to)	**July 2009 → July 2010**
• Name of employer	Oncological Research Center of Mercogliano, CROM, Avellino (Italy)
• Type of business or sector	Campania Government Institution
• Main activities	- Analysis, design and implementation of web-oriented software for the storage, management and statistical analysis of clinical and experimental data available at the URL: http://www.cro-m.eu/CDMS - Design and development of an automatic diagnostic system, implemented with the Multilayer Perceptron classifier, for the diagnosis of oncological and autoimmune diseases.
• Position held	MSc student

• Dates (from – to)	**January 2007 → April 2008**
• Name of employer	Openapi srl, Roma (Italy)
• Type of business or sector	Private company
• Main activities	Web agency for the design, creation and analysis of websites. Technological consultancy and development of web marketing strategies.
• Position held	Phd student

EDUCATION

• Dates (from – to)	**December 2013**
• Title of qualification awarded	**PhD in Computational Biology**
• Name and type organisation	University of Campania "L. Vanvitelli"
• Thesis Title	"Software-systems for an interactive and integrated analysis of "*omics*" data"
• International Level	ISCED 8

• Dates (from – to)	**July 2010**
• Title of qualification awarded	**MSc in Computer Science achieved with 110/110**
• Name and type organisation	University of Naples "Federico II"
• Thesis Title	"Clinical Data Mining : an automatic classification application for the diagnosis of oncological and autoimmune diseases"
• International Level	ISCED 7

MOTHER TONGUE	**ITALIAN**

OTHER LANGUAGES	
	ENGLISH
• Reading skills	Advanced
• Writing skills	Advanced
• Verbal skills	Advanced

JOB RELATED COMPETENCES

Programming competences : R, Matlab, Shell script, PHP;
Machine learning (ML) : Data analysis, Clinical Data Mining, Data Prediction, Data Integration, Feature selection, Neural Networks;
NGS technology : RNA analysis
ML tools: WEKA, KNIME, TensorFlow;
Development of WebOriented applications : XAMPP, LAMP, WAMP
Database creation and management : MySQL, phpMyAdmin
Web Software tools : Dreamweaver, DB Designer

RESEARCH ACTIVITIES

Responsibility in several PON and POR project for ICAR-CNR

Coordination and development, both logistical and scientific, of the W.IDE regional project (D.D. DIP. 54 DG 91 n. 470 01/11/2015)

TEACHING ACTIVITIES

Tutor for 3 M.Sc. students
Speaker at several national and international conferences

PUBBLICATIONS

- Felici G., Tripathi K. P., **Evangelista D.,** Guarracino M.R., A mixed integer programming-based global optimization framework for analyzing genevexpression data, Journal Of Global Optimization, (2017)
- **Evangelista D**., Avino M., Tripathi, K.P., Guarracino, M.R. PrimatesDB: a biological and functional esource on skeletal muscle tissue of the Pan troglodytes transcriptome. Lecture Notes in Computer Science v.9874 (LNCS) (2016)
- Tripathi, K.P., **Evangelista, D**., Cassandra, R., Guarracino, M.R. Transcriptator: Computational pipeline annotate transcripts and assembled reads from RNA-Seq data. Lecture notes in Bioinformatics, Springer (2016)
- **Evangelista, D**., Tripathi, K.P.,Guarracino, M.R. An atlas of transcript annotations for Hydra vulgaris' transcriptome. Special issue, BMC bioinformatics (2016)
- **Evangelista D**., Tripathi KP, Scuotto V and Guarracino MR. HvDBase: A Web Resource on Hydra Vulgaris Transcriptome. (Eds.): IWBBIO, Part II, LNCS 9044, pp. 355–362. (2015)
- Tripathi KP, **Evangelista D**., Zuccaro A, Guarracino MR. Transcriptator 2.0: An Automated Computational Pipeline to Annotate Assembled Reads and Identify Non Coding RNA. PLoS ONE 10(11):e0140268.doi:10.1371/journal.pone.0140268, (2015)
- **Evangelista D**., Zuccaro A., Zilinskas J., Lanciskas A and Guarracino M.R. OPENDoRM 2.0: a web- oriented software for the Optimization of Pooled Experiments in NGS for Detection of Rare Mutations. BMC Research Notes Journal. doi: 10.1186/s13104-016-1889-6 (2015)
- Scarpato M., Esposito R., **Evangelista D**., Aprile M., Ambrosio M.R., Angelini C., Ciccodicola A.,Costa V., "AnaLysis of Expression on human chromosome 21, ALE-HSA21: a pilot integrated web resource." Database (Oxford Journal) Feb 25; 2014(0):bau009. doi: 10.1093/database/bau009. (2014)
- **Evangelista D.,** Colonna G., Miele M., Cutugno F., Castello G., Desantis S. and Costantini S.: "CDMS (Clinical Data Mining Software): a cytokinome data mining system for a predictive medicine of chronic inflammatory diseases". Protein Eng. Des. Sel. *(Oxford)* Dec; 23(12):899-902.doi:10.1093/protein/gzq068. (2010)

ABSTRACT & PROCEEDINGS

- **Evangelista D**., Tripathi K.P., Scuotto V., and Guarracino M.R: "HvDBase:a web resource on Hydra vulgaris transcriptome" - (_IWBBIO_), Granada, Spagna, 2015
- Felici G., Tripathi K.P., **Evangelista D**., and Guarracino M.R.: "From Locally Signi_cant to Globally Relevant: a Paradigm Shift in the Analysis of Biological High Throughput Experiments" – (_WCGO_), Gainesville, Florida, 2015
- Tripathi K.P., Cassandra R., **Evangelista D**, Guarracino M.R.: "Transcriptator: computational pipeline to annotate transcripts and assembled reads from RNA-Seq data" - (_CIBB_), Cambridge, UK, 2014
- Tripathi K.P., Cassandra R., **Evangelista D**, Guarracino M.R.: "Automated computational pipeline to annotate assembled reads and to identify non coding RNA" - (_SeqAhead_), Bari, Italia, 2014
- **Evangelista D**., Scarpato M., Esposito R., Aprile M., Ambrosio MR., Costa V., Ciccodicola A., Angelini C.: "Analysis and annotation of the human chromosome 21 through the ALE-HSA21 database" - (_BITS_), Udine, Italia, 2013
- Esposito R., **Evangelista D**., Scarpato M., Ambrosio M.R., Aprile M., Aversa R., Angelini C., Ciccodicola A., and Costa V.: "ALE-HSA21: a pilot integrated and dynamic web portal for human chromosome 21" - (_BBCC_), Avellino, Italia, 2012
- **Evangelista D**, Colonna G, Piscitelli A, Costantini S: "A diseases classifier based on a data mining approach" - (_BITS_), Pisa, Italia, 2011
- **Evangelista D**, Cutugno F, Castello G, Colonna G, Desantis S, Costantini S: "CDDM: Clinical database for data mining" - (_BITS_), Bari, Italia, 2010

March, 1st 2022