

Curriculum Vitae

Personal Information

First name / Surname: Vincenzo Farano
Address: Via Paparella 4, 76121 - Barletta, Italy
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Education

1. Liceo Scientifico Statale “ Carlo Cafiero”, Barletta, Italy:
 - a. Period: 2001-2006;
 - b. Title of qualification awarded: Scientific diploma with vote 90 of 100;
 - c. Diploma Thesis title: **“Journey as a metaphor for knowledge”**;

2. Università degli Studi di Bari “Aldo Moro”, Bari, Italy:
 - a. Period: 01/10/2006-18/12/2009;
 - b. Title of qualification awarded: Bachelor degree in Cell and Molecular Biology with vote 109 of 110;
 - c. Bachelor Thesis title: **“Chemical – physical and cultural urines examination”**;
 - d. Period: 21/12/2009-11/11/2011;
 - e. Title of qualification awarded: Master degree in Cell and Molecular Biology, area Genomics, with vote 110 of 110;
 - f. Master Thesis title: **“Characterization of mutants C303A and Δ1-231 of human FAD synthetase isoform 2”**;

3. Goethe-Universität Frankfurt, Frankfurt am Main, Germany:
 - a. Period: 01/05/2012-31/12/2012;

4. Hospital Vall d’Hebron (VHIR), Universitat Autònoma de Barcelona, Barcelona, Spain:
 - a. Period: 04/04/2013-03/07/2013;

5. Università degli Studi di Roma “Tor Vergata”, Rome, Italy:
 - a. Period: 01/11/2013-30/11/2014

Work experiences

1. Department of Microbiology and Hygiene at the “Mons. Raffaele Dimiccoli” ASL-BAT 1, Via Ippocrate 15, 76121-Barletta, Italy:
http://www.scicivrea.it/dove_siamo/italia/barletta/dimiccoli/barletta_dimiccoli.php
 - a. Period: August – September 2009;

- b. Position and Responsibilities: Lab technician, Public Health: “diagnosis and biological samples analysis” (Dr. Tommaso Capasso);

2. Prof.ssa Maria Barile’s laboratory, University of Bari, Bari, Italy, Dip.to di Biochimica e Biologia Molecolare “Ernesto Quagliariello” Via Orabona 4, 70126 Bari –Italy: <http://www.uniba.it/ricerca/dipartimenti/dbbm/dipartimento/info>
 - a. Period: 11/11/2010 – 11/11/2011;
 - b. Position and Responsibilities: Basic scientific research: “molecular and functional characterization of human FAD synthetase isoform 2”;

3. PD Dr. Volker Zickermann’s laboratory (ex Prof. Dr. Ulrich Brandt’s group), Johann Wolfgang Goethe-Universitat, Institute of Biochemistry, Biocenter, Max-von-Laue-Str. 9, 60438 Frankfurt am Main, Germany: <http://www.biochem.uni-frankfurt.de/index.php?id=65> <http://biochem2.com/sbg/people.html>
 - a. Period: 01/05/2012 – 31/12/2012;
 - b. Position and Responsibilities: Basic scientific research: “monitoring of functional conformational changes in respiratory complex 1 by Spectrophotometric and Spectrofluorimetric techniques” (in collaboration with Prof. Dr. Marina Verkhovskaya: Helsinki Bioenergetics Group, Institute of Biotechnology, University of Helsinki, Helsinki, Finland);

4. Prof. Dr. Joan X Comella Carnice’s laboratory of “Cell signaling and Apoptosis”, Hospital Vall d’Hebron (VHIR), Universitat Autònoma de Barcelona, Barcelona, Spain. http://www.vhir.org/larecerca/grupsrecerca/ca_grups equip.asp?area=4&grup=10&mh1=2&mh2=1&mh3=1&mv1=2&mv2=1&menu=3&Idioma=en
 - a. Period: 04/04/2013 – 03/07/2013;
 - b. Position and Responsibilities: Basic scientific research: “physiological role of FAIM and its isoforms in human neurons”;

5. Prof.ssa Maria Rosa Ciriolo’s laboratory, Department of Biology, University of Rome “Tor Vergata”, Rome, Italy: <http://bio.uniroma2.it/>
 - a. Period: 01/11/2013 – 30/11/2014
 - b. Position and Responsibilities: Basic scientific research: “PGC-1 α mitochondrial form characterization and its role in myogenesis”

Occupational Field

Biology, Life Science, Scientific Research

Principal subjects/occupational skills

Molecular biology, Genetics, Biochemistry and Bioinformatics

Bacterial cultures (Growth and fermentation of *E. coli* in 10L Sartorius Fermenter), Bacterial Transformation, Antibioqram (Phoenix BD System), French Press High Pressure, Membranes isolation, Over-expression and purification proteins, HPLC, Deae Ion-Exchange column, Size exclusion column, ÄKTA Software, MonoQ column, Ni²⁺-Sepharose Affinity Column, Streptavidin Agarose Column, Lowry and Bio-Rad protein assays, Spectrophotometric and Spectrofluorimetric enzyme assays, Spretro-Max MicroWell plate reader, UV-Spectrophotometer, Fluorolog-3, Förster (Fluorescence) resonance energy transfer (FRET), Tertiary structure proteins prediction program (PyMOL program), Bioinformatics research and analysis (NCBI, EBI and ExPASy, Addgene tools), SDS-PAGE (also gradient gel) and Western blot, In-gel activity and BLU native gel

(Coomassie and Silver Stain), CNP-Gel (with second dimension), dSDS-PAGE, Labeling of TC-tag proteins with FLAsH and Fluorescein -5-maleimide, Typhoon Scanner, Molecular/Gene cloning, PCR, rtq-PCR (SYBR Green – Tkara), RT-PCR, DNA extraction (chloroform), RNA Interference Technology, RNA extraction (TRIzol reagent and phenolchloroform), Plasmid Purification (Qiagen, Sigma and NIGEL-COLBORN Maxi and Midi-prep kit), Agarose gel electrophoresis, Determination of free cysteines by DTNB method. Maintenance of human and murine cell lines (HEK-293T, PC-12, HeLa, HepG2, C2C12 and 3T3-L1), Cell Transfection by Calcium, Lipofectamine 2000 and 3000, Nucleofector and Electroporation, Hoechst staining, Death assay, Counts of Neurites, Immunoprecipitation and Co-immunoprecipitation, Oligo Pull Down, ChIP and Mitochondria and Nuclei Isolation (from cells and tissues – heart, muscles, liver, e-WAT, i-WAT and BAT – using Percoll).

Experience with different mouse strains: CD-1 and C57BL/6: colony expansion and maintenance, reproduction and removal of organs and tissues (heart, muscles, liver, e-WAT, i-WAT and BAT).

Personal skills and competences

Mother Language: Italian

Foreign Languages: 1. English: understanding, speaking and writing advanced user;

2. Spanish: understanding, speaking and writing advanced user.

Social skills and competences: - communication / social skills: I am able to relate with different nationality and culture people and I have a great capacity of integration and adaptation;
- organisational / managerial skills: I am able to work in team, I am able to organize the work independently setting priorities and responsibilities.

Computer skills and competences: Data processing: Microsoft Office tools (Office), GraFit, Corel Software, ImageJ and Photoshop.
Excellent ability to surf the web and do research.

Other skills and competences: I have practiced for many years as a professional chess.
I like reading informing, traveling and doing sport.
I am a very motivated young man/scientist who puts passion into what I do and learn quickly.
I have lived in Frankfurt am Main for eight months (19.04.2012-13.12.2012).
I have lived in Barcelona for more than four months (18/03/2013-05/07/2013).

Scholarship: - A.DI.SU. Scholarship (the entity for the right to higher education), for the academic years: 2006/2007 – 2007/2008 – 2008/2009 – 2010/2011.

<http://www.adisupuglia.it/adisu/tem2.aspx?ID=269>;

- TDS (Fujitsu company) Scholarship, year 2012: <http://www.tds.fujitsu.com/tds-home/>

- CIBERNED (Centro de Investigacion Biomedica en Red para las Enfermedades Neurodegenerativas) Scholarship, year 2013: <http://www.ciberned.es/>

Driving license: Driver license, B category.

Autorizzo il trattamento dei miei dati personali, ai sensi del D.lgs. 196 del 30 giugno 2003