



Denise Campagna

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Nationality Italian | Date of birth 20/5/1994 | Skype denyx2

Education

2018-2021: Master degree in Pharmaceutical Biotechnology (teaching languages: Italian and English). University “La Sapienza” of Rome, Italy Grade 110/110 cum Laude.

2014-07/2018: Bachelor degree in Agro-Industrial Biotechnology (teaching language: Italian). University “La Sapienza” of Rome, Italy. Thesis title: Extraction of essential oils: study and comparison of hydrodistillation and distillation techniques in steam current. Supervisor: Prof. Marco Franceschin, Co-supervisors: Prof. Rino Ragno. Grade: 102/110.

Languages:

- English
- Spanish
- French

Research Experience

02/2023 – present: Role of microenvironment in **cutaneous squamous cell carcinoma pathogenesis** (RC2023) - Multicenter interventional, single arm, **phase IV study on specific metabolic and genomic profiles and predictors of Nicotinamide efficacy** in cutaneous squamous cell carcinoma prevention (IDI-FARM-SCRF2016).

02/2022 – 01/2023: POR Lazio 2020 - **Development of an eco-sustainable and scalable procedure to produce lignin capsules with photoprotective and cosmetic properties for the skin (ECOSUN)** - P.I. and resp. OdR1 Raffaele Saladino (University of Tuscia-UNITUS), resp. OdR2 Mauro Giustini (La Sapienza University of Rome-UNISAP), resp. OdR3 Elena Dellambra.

09/2020– 12/2021: Research Thesis: Clinical trial on non-melanoma skin cancers (NMSC)
Molecular and Cellular Biology, IDI, Rome – Supervisors dr.ssa Elena Dellambra

Techniques:

- **Collecting and storing Biological Samples**
- **PBMC isolation**
- **DNA extraction**
- **Spectrophotometric and fluorometric quantification**
- **RNA extraction**
- **Protein Extraction and quantification**
- **Retrotranscription**
- **RT-PCR**
- **Cell Cultures** (Fibroblasts, keratinocytes, SCC) in media with or without treatments
- **Cell count**
- **Migration Studies** Assay Treatments vs controls and acquisition with EnSight™
- **Immunofluorescence**
- **Immunohistochemistry**
- **Western Blot**
- Collaboration in a **clinical trial** (Regulatory aspects, Accountability, Medical visits and Drug monitoring)
- Collaboration in a **3D printing of the Skin project** - Cellink BioX printer

03/2018–06/2018: Internship for Bachelor experimental thesis. Chemical extraction of essential oils. Supervisors: Prof. Rino Ragno, Prof. Armandoriano Bianco.

Techniques:

- Use of Extractor with built-in capacitor, cooling buretta in Pirex glass, Inox Distiller 20 L AlbrigiLuigi E0131, funnel separator, analytic balance, automatic pipette socorex swiss.
- Hydrodistillation (in continuous and fractional)
- Steam Distillation (in continuous and fractional)
- Extraction with diethyl ether and anhydrification with Na₂SO₄

Others:

- Gas Chromatography
- Mass spectrometry Perkin Elmer (Waltham, MA, USA), model turbo mass Clarus 500 GC-MS/GC-FID, silica column Stabilwax (Restek, Bellefonte, PA, USA).
- Evaluation of the antimicrobial activity of the extracted essential oils (MIC and MBC analysis)
- MTT Assay

Informatic and Bioinformatic Tools

- NCBI databases, UCSC Genome Browser, Excel, Word, PPT, Canva, Chimera, Autodock Vina for Molecular Docking, Ochem for PLS, SwissADME, Marvin Sketch, 3d-QSAR.com, Kegg pathway, PBreactome, Uniprot.org, social media.
- **InForm**® Tissue Analysis Software 2.6.0
- **Mantra** Snap Software Realease Note 1.0.5
- **ImageLab** Software
- **ImageJ** Software

Competitions and Awards

2021: Selected for University Tutor, Erasmus programs and degree management at “La Sapienza” University of Rome – Pharmacy and Medicine Department “La Sapienza” University of Rome, Italy.

2021: Selected as Representative of the students of the Master’s degree membership course – Pharmaceutical Biotechnology Pharmacy and Medicine Department “La Sapienza” University of Rome, Italy.

2018: Selected for the collaborative scholarship at the Analysis of active ingredients and medicinal plant, Department of Pharmacy and Medicine, applied pharmaceutical sciences course. “La Sapienza” University of Rome, Italy.

2018: Selected as alumnus of the “Università di Roma La Sapienza”, master in Pharmaceutical Biotechnology.

2012: Selected for the Model United Nations, High school program, held in Rome.

Others Certificates- Experiences

12/2022: Italian Platform on Alternative Methods – IPAM – 3D bioprinting, a possibility for the Replacement

10/2022: Teaching Training course (D.M 616/2017) 24 CFU

06/2022: **DLGS 81/08 – GENERAL TRAINING OF WORKERS** - Art. 37 D.lgs 81/08 correttivo – Gruppo Ecosafety – HSE Academy – FIRAS-SPP

11/2021: **WEBINAR FARMACI INNOVATIVI: POTENZIALI TERAPEUTICI E SOSTENIBILITÀ** – KONCEPT SRL

06/2021: **WORKSHOP RESEARCH AND NANOMEDICINE 2021 V^ EDITION** – Centre for Health Technologies

11/2020: **ICH GOOD CLINICAL PRACTICE E6 (R2)** – Global Health Training Centre

06/2019: Specific **TRAINING COURSE ON RISKS IN HEALTHCARE FACILITIES** – “La Sapienza” University of Rome

05/2019: **BLS + PBLSD Course – First aid and use of the defibrillator** – protocol 105216, 25/05/2019, medical manager Loredana Fortunato - Regione Lazio

03/2019: **Microblading and Microshading Course** – J Academy, Rome, Italy.

09/2018 – 11/2018: **English Course – EF, International Education** – San Diego, California (USA)

15/06/2017: **Talk Event “Il Cosmetico: non solo Bellesere” Department of Pharmaceutical Science** - University of Milan - Association Women & Technologies - DISFARM

2014: **Nadia Dorsey - Spectrum Language Orange Country, California (USA)** – Italian Teaching and Tourist guide

2013: **Hostess for COVA Milano, Italy** – Freccia Club, Termini Station, Rome, Italy.

06/2010 – 08/2010: **Spanish Course** – Collegio Mayor San Juan Bosco, Seville, Spain. Spanish Level B2

"Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del D.P.R. 445/2000". Roma, 09.05. 2022"

Roma 10/03/2023

