



**Nadia
Tagliaferri**

Date of birth: 04/01/1994

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Via Carenzi 8, 29028, Ponte dell'Olio, Italia



europass

WORK EXPERIENCE

01/04/2024 – ongoing - Pavia, Italy
PhD STUDENT – IGM-CNR, University of Pavia

PRIN 2022 project: "DNA damage response and neurodegeneration in RFC1 repeat expansion disease". Supervisor: Dott. Emmanuele Crespan

01/11/2023 – 31/03/2024 – Modena, Italy
PhD STUDENT – University of Modena and Reggio Emilia

PNRR - HEAL ITALIA project: "Artificial Intelligence for the interpretation of pathology and clinical data in renal diseases". Supervisor: Professor Riccardo Magistroni

16/12/2022 – 31/10/2023 – Modena, Italy
RESEARCH FELLOW – University of Modena and Reggio Emilia

Study of the effects of a newly constructed yellow laser on endothelial (HUVEC) and retinal epithelial (hRPE) cells in both standard and inflammatory conditions. PRIN 2020 project: "Yellow Fiber Laser System for the treatment of ocular diseases (Yellow-FLiCkEr)". Supervisor: Professor Gian Maria Cavallini

05/09/2022 – 02/11/2022 – Modena, Italy
VISITING GRADUATE – University of Modena and Reggio Emilia

Study of bio-compatibility of dental implants cultured on dental pulp stem cells (hDPSCs). Title project: "Biological characteristic of a new hybrid implant surface in contact with bone and connective tissue cells". Supervisor: Professor Gianluca Carnevale

11/07/2022 – 10/08/2022 – Modena, Italy
CONTRACT CONSULTANT – University of Modena and Reggio Emilia

Study of the bio-compatibility of dental implants cultured on murine osteoblasts MC3T3. Mech and Human Project. Supervisor: Professor Gianluca Carnevale

15/01/2022 – 30/06/2022 – Modena, Italy
VISITING GRADUATE – University of Modena and Reggio Emilia

Evaluation of anti-aging effects of GIOVINA through the use of a 3D organotypic model. Supervisor: Professor Laura Bertoni

01/10/2021 – 30/06/2022 – Modena, Italy
VISITING GRADUATE – University of Modena and Reggio Emilia

Study of cell viability of murine osteoblasts MC3T3 cultured on hydroxyapatite scaffold. FAR 2019 project: "Microfluidics-based 3D cell culture for bone regeneration". Supervisor: Professor Jessika Bertacchini

03/10/2020 – 29/06/2021 – Fiorenzuola d'Arda, Italy
TEACHER – MIUR

Teaching of Maths and Science to middle school students.

10/03/2019 – 27/02/2020 – Parma, Italy
INTERN – University of Parma

The thesis project has regarded MDDS (mtDNA depletion syndromes), using yeast as a model organism to evaluate the effects of SYM1 deletion on mitochondrial dNTP pools and the potential beneficial effects of FDA-approved drugs on restoring the above-mentioned pools. Supervisor: Professor Claudia Donnini.

EDUCATION AND TRAINING

2019 – Parma, Italy
BIOLOGY PROFESSIONAL LICENCE – University of Parma

Final mark: 42/50

2017 – 2019 – Parma, Italy
MASTER'S DEGREE – University of Parma

Molecular Biology
Final mark: 110/110 with honours

2013 – 2017 – Parma, Italy
BACHELOR'S DEGREE – University of Parma

Biological Sciences
Final mark: 93/110

LANGUAGE SKILLS

Mother tongue(s): Italian
Other language(s): English, French

	UNDERSTANDING		SPEAKING	WRITING
	Listening	Reading		
ENGLISH	B2	B2	B2	B2
FRENCH	B1	B2	B1	B1

Levels: A1 e A2: Basic user B1 e B2: Independent user C1 e C2: Proficient user

DIGITAL SKILLS

PyMOL + Molecular Visualization Program / basic image processing (Fiji-ImageJ; Adobe Illustrator; ImageLab) / Basic Linux Skills / Microsoft Office: Word, Excel, Access, Power Point, Outlook / LinkedIn / GSuite / Skype

JOB-RELATED SKILLS

Technical and scientific skills

- Cell culture systems (stem cells, immune cells, endothelial cells, epithelial cells, lymphoblastoid cells)
- Morphological investigation by Scanning Electron Microscopy
- Real-Time Polymerase Chain Reaction
- Immunostaining and immunofluorescence analysis
- Cell viability assays
- Western and dot blot
- Mitochondria and nucleotides extractions
- DNA polymerase assay
- Set-up of an *in vitro* inflammatory micro-environment through co-culture system

ORGANIZATIONAL AND INTERPERSONAL SKILLS

- Critical thinking and problem-solving
- Team-oriented personality
- Good written and verbal communication skills

PUBLICATIONS

Tagliaferri N, Pisciotta A, Orlandi G, Bertani G, Di Tinco R, Bertoni L, Sena P, Lunghi A, Bianchi M, Veneri F, Bellini P, Bertacchini J, Conserva E, Consolo U, Carnevale G. Zirconia Hybrid Dental Implants Influence the Biological Properties of Neural Crest-Derived Mesenchymal Stromal Cells. *Nanomaterials (Basel)*. **2024** Feb 20;14(5):392. doi: 10.3390/nano14050392. PMID: 38470723; PMCID: PMC10934982.

Paganelli, A.; Pisciotta, A.; Bertani, G.; Di Tinco, R.; **Tagliaferri, N.**; Orlandi, G.; Azzoni, P.; Bertoni, L. Food Supplements for Skin Health: In Vitro Efficacy of a Combination of *Rhodiola rosea*, *Tribulus terrestris*, *Moringa oleifera* and *Undaria pinnatifida* on UV-Induced Damage. *Cosmetics* **2023**, *10*, 83. <https://doi.org/10.3390/cosmetics10030083>

CONFERENCES AND SEMINARS

21/11/2018 – University of Parma

"Keep an eye on genes"

https://scvsa-servizi.campusnet.unipr.it/do/pubeng.pl/Show?_id=916w

27/09/2018 – 29/09/2018 –

Trieste Trieste Next Festival

<https://www.triestenext.it>

12/11/2017 – University of Parma

"Keep an eye on cancer"

<https://cdl-bio.unipr.it/it/node/17>

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".

Pavia, 02/04/2024

Nadia Tagliaferri