

Curriculum Vitae Lara Camillo

PERSONAL DATA

- **Name:** Lara
- **Last name:** Camillo
- **Nationality:** Italian
- **Date of birth:** July, 8th 1991;
- **E-mail:** lara.camillo@uniupo.it

PROFESSIONAL EXPERIENCES and TECHNICAL SKILLS

- **NOVEMBER, 1ST 2018-TO DATE:** PhD student in Medical Science and Biotechnologies at Dermatology Lab, under supervision of professor Paola Savoia, Health Science Department, University of Eastern Piedmont, via Solaroli 17, 28100 Novara (Italy).

PROJECT TITLE: Nicotinamide enhances DNA repair and inhibits oxidative stress UVB-induced in human primary keratinocytes.

- **JANUARY, 1ST 2017-OCTOBER, 31ST 2018:** fellowship at Dermatology Laboratory, under supervision of professor Paola Savoia, Health Science Department, University of Eastern Piedmont, via Solaroli 17, 28100 Novara (Italy).

TECHNICAL SKILLS:

- Isolation and cell culture of primary keratinocytes stem cells from human skin biopsies;
 - Isolation and cell culture of primary fibroblast from human skin biopsies;
 - 3D culture of human primary keratinocytes in “human skin equivalents” with low and high calcium concentration and simulation of holoclones, meroclones and paraclones.
 - Cell culture of immortalized keratinocytes, as HaCat;
 - Paraffine embedding of skin biopsies and Hematoxylin/eosin stain;
 - Immunohistochemistry and immunofluorescence stain for specific skin antigen localization in both tissues and cells;
 - Fix and freeze of fresh tissues and 3D culture and Hematoxylin/eosin stain;
 - Excellent use of optical microscopes for immunofluorescence (Leica DM) and immunohistochemistry analysis (Pannoramic MIDI II-3DHistech LTD, Budapest, Hungary);
 - Cell viability analysis through MTT assay, Scratch assay (wound healing), Trypan Blue excision;
 - Molecular biology assays (Western blot and q-RT-PCR);
- **OCTOBER 2014- JULY 2016:** internship at Human Physiology Laboratory, under the supervision of

professor Elena Grossini, University of Eastern Piedmont, via Solaroli 17, 28100 Novara (Italy).

TECHNICAL SKILLS:

- Isolation of human peripheral blood monocytes from healthy and obese patients;
 - Analysis of inflammation biomarker of monocytes in oxidative stress condition;
 - Quantification of CD14 and CD16 biomarker using flow cytometry;
 - Principals assays as Griess, MTT, ROS, OCR, GSH, SDH assays;
 - Proteomic analysis (western blot).
- **OCTOBER 2012- MARCH 2014:** internship at Cellular Biology laboratory, under the supervision of the professor Chiarella Bozzo, University of Eastern Piedmont, via Solaroli 17, 28100 Novara (Italy).

TECHNICAL SKILLS:

- Isolation and cell culture of primary keratinocytes from human biopsies;
 - Migration, proliferation and adhesion assays through XCelligence Roche;
 - Cell cycle analysis through flow cytometry.
- **JUNE 2010 – JULY 2010:** summer internship at rubber industry, Tubi Gomma Torino S.p.A;
 - **SEPTEMBER 2008- JUNE 2010:** school collaboration with chemical industry Solvay Solexis, Spinetta Marengo, Italy;

EDUCATION

- **NOVEMBER, 1ST 2018- TO DATE:** PhD student in Medical Science and Biotechnologies at Dermatology Lab, under supervision of professor Paola Savoia, Health Science Department, University of Eastern Piedmont, via Solaroli 17, 28100 Novara (Italy).

PROJECT TITLE: Analysis of the Role of the Human Trophoblast Cell-Surface antigen 2 (TROP2) as Biomarker in Photoaging and in the Field Cancerization of the Epidemis.

- **JULY, 14th 2016:** Master's degree in **Medical Biotechnologies** (delivered in English) at University of Eastern Piedmont, via Solaroli 17, 28100-Novara, Italy, with the valuation degree of 110/110 cum laude and honourable mention.

THESIS TITLE: Inflammatory and metabolic patterns of monocytes extracted from pediatric population. Modulation by isocaloric diet and aerobic exercise.

- **MARCH 12th, 2014:** Bachelor's degree in **Biotechnologies**, at University of Eastern Piedmont, via Solaroli 17, 28100-Novara, Italy, with the valuation degree of 93/100.

THESIS TITLE: The bacterial toxin Mycolactone, produced by *Mycobacterium Ulcerans*, interferes with migration, proliferation and adhesion and survive of human fibroblast *in vitro*.

- **JUNE 30th, 2010:** High School diploma at Industrial Technical Institute "Ascanio Sobrero", of Casale Monferrato, Italy in Chemical Expert with the valuation degree of 97/100.

PUBLISHED ARTICLES

1. **Camillo L**, Grossini E, Farruggio S, Marotta P, Gironi L. C, Zavattaro E, Savoia P. Alpha tocopherol protects human dermal fibroblasts by modulating nitric oxide release, mitochondrial function, the redox status and inflammation. *Skin Pharmacol Physiol*. Accepted.
2. **Camillo L**, Gironi LC, Savoia P. Alpha-tocopherol promotes metabolic activity and cell migration in human primary keratinocytes and fibroblasts from skin cancer patients. *G Ital Dermatol Venereol*. 2020 Aug;155(4):521-524. doi: 10.23736/S0392-0488.18.06075-3. Epub 2018 Sep 24.
3. Gironi LC, **Camillo L**, Zottarelli F; Leiomyomatosis Interdisciplinary Group, Savoia P. Concordance of p16, FH, and alpha-SMA expression with the fumarate hydratase gene mutational status in sporadic and hereditary piloleiomyomas. *Pathology*. 2019 Oct;51(6):659-663. doi: 10.1016/j.pathol.2019.05.006. Epub 2019 Aug 31.
4. Savoia P, Raina G, **Camillo L**, Farruggio S, Mary D, Veronese F, Graziola F, Zavattaro E, Tiberio R, Grossini E. Anti-oxidative effects of 17 β -estradiol and genistein in human skin fibroblasts and keratinocytes. *J Dermatol Sci*. 2018 Oct;92(1):62-77. doi: 10.1016/j.jdermsci.2018.07.007. Epub 2018 Aug 6.
5. Gironi LC, Colombo E, Zottarelli F, Guala A, Arduino C, Leutner M, **Camillo L**, Valente G, Boldorini RL, Savoia P. Aberrant expression of aquaporin-3 in hereditary papulotranslucent acrokeratoderma and aquagenic palmoplantar keratoderma. *Eur J Dermatol*. 2018 Apr 1;28(2):262-263. doi: 10.1684/ejd.2018.3235.
6. Grossini E, Farruggio S, Qoqaiche F, Raina G, **Camillo L**, Sigauco L, Mary D, Surico N, Surico D. Monomeric adiponectin increases cell viability in porcine aortic endothelial cells cultured in normal and high glucose conditions: Data on kinases activation. *Data Brief*. 2016 Aug 10;8:1381-6. doi: 10.1016/j.dib.2016.08.007. eCollection 2016 Sep.
7. Grossini E, Farruggio S, Qoqaiche F, Raina G, **Camillo L**, Sigauco L, Mary D, Surico N, Surico D. Monomeric adiponectin modulates nitric oxide release and calcium movements in porcine aortic endothelial cells in normal/high glucose conditions. *Life Sci*. 2016 Sep 15;161:1-9. doi: 10.1016/j.lfs.2016.07.010. Epub 2016 Jul 26.
8. Grossini E, Gramaglia C, Farruggio S, Camillo L, Mary D, Vacca G, Zeppegno P. Asenapine modulates nitric oxide release and calcium movements in cardiomyoblasts. *J Pharmacol Pharmacother*. 2016 Jan-Mar;7(1):6-14. doi: 10.4103/0976-500X.179358;
9. Grossini E, Raina G, Farruggio S, Camillo L, Molinari C, Mary D, Walker GE, Bona G, Vacca G, Moia S, Prodam F, Surico D. Intracoronary Des-Acyl Ghrelin Acutely Increases Cardiac Perfusion Through a Nitric

Oxide-Related Mechanism in Female Anesthetized Pigs. *Endocrinology*. 2016 Jun;157(6):2403-15. doi: 10.1210/en.2015-1922. Epub 2016 Apr 21.

ATTEND CONFERENCES

- **May 06th-07th 2021: EADV virtual spring symposium.** “Poster presentation. The role of Nicotinamide in photoprotection of ex-vivo skin biopsies and UV exposed human keratinocytes.” **L. Camillo**, L. C. Gironi, E. Esposito, P. Savoia.
- **October 29th-31st 2020: 29th Congress EADV virtual.** Oral presentation and interview. “The role of Nicotinamide in photoprotection of Human Primary Keratinocytes from oxidative stress damages UV-induced”. **L. Camillo**, L. C. Gironi, P. Savoia.
- **April 30th-May 02nd 2020: 16th EADV Spring Symposium.** Poster accepted but congress cancelled due to COVID-19 emergency. Title: “The role of Nicotinamide in photoprotection of Human Primary Keratinocytes from oxidative stress damages UV-induced”, **L. Camillo**, L. C. Gironi, E. Esposito, P. Savoia.
 - **December 11st, 2017:** 2° Congress of Interdisciplinary Research Center of Autoimmune Diseases (IRCAD), Novara, Italy. **Poster presentation:** P. Savoia, G. Raina, **L. Camillo**, S. Farruggio, F. Veronese, F. Graziola, E. Zavattaro, R. Tiberio, E. Grossini. “Protective effects elicited by 17- β estradiol and genistein in human skin keratinocytes and fibroblast against oxidative stress”
- **September 22-24th, 2016:** 67° Congress of Italian Physiology Society (SIF), Catania, Italy. **Poster presentation:** E. Grossini, **L. Camillo**, S. Farruggio, G. Raina, G. Bona, V. Menegon, M. Martelli, M. Aronici, C. Porta, S. Bellone, F. Prodam, G. Genoni. “Inflammatory and peroxidative markers of monocytes extracted from a population of obese children. Modulation by isocaloric diet and aerobic exercise”.
- **September 16-18 th, 2015:** 66° Congress of Italian Physiology Society (SIF), Genova, Italy **Poster presentation:** G. Raina, F. Qoqaiche, **L. Camillo**, S. Farruggio, L. Sigauda, G. Vacca, E. Grossini. “Calcium handling in porcine coronary endothelial cells by adiponectin”.