

CURRICULUM VITAE

SILVIA VIDALI

Birth date: 19/08/1985
Place of birth: Pordenone, PN, Italy
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EDUCATION

- 2010-present PhD student of Experimental Dermatology, University of Lübeck, Shleswig-Holstein, Germany; started on September 2010
- 2010 M.sc in Pharmaceutical Biotechnology
(*Laurea specialistica in Biotecnologie Farmaceutiche*)
University of Padua, Italy (score: 105/110)
Two-years course started on October 2007. Graduation date: march 09, 2010
- 2007 B.Sc. in Health Biotechnology
(*Laurea triennale in Biotecnologie Sanitarie*)
University of Padova, Italy (score: 95/110).
Three-years course started on October 2004. Graduation date: sept. 11, 2007
- 2004 A-level (Equivalent of leaving cert. "Montessori")
(*Diploma di maturità magistrale*)
Liceo classico, scientifico, socio-psico-pedagogico "Leopardi-Majorana",
Pordenone, Italy. (score 88/100)

RESEARCH WORK EXPERIENCE

During my several internships, I developed practical skills in biological methods, technical equipment and problem solving, such as:

- suspension and adherent cell culture
- full-thickness skin and dissected hair follicles organ cultures and wound healing model in skin organ culture
- flow cytometry
- spectrophotometric assays
- cell oxygen consumption assay
- confocal and epifluorescence microscopy
- Several staining assay with different methods: immunohistochemistry, Masson-Fontana, *in situ* zymography, etc..
- work in a team even under pressure and for long time requiring experiments
- how to apply methods with precision in a clean and ordinate work place

M.sc. thesis: Attività farmacologica di 17- β -estradiolo e genisteina in modelli cellulari di malattia LOHN (Leber's hereditary optic neuropathy).

(Pharmacological activity of 17- β -estradiol and genistein in cell model of LOHN disease (Leber's hereditary optic neuropathy)).

Supervisors: Prof. Laura Caparrotta and Dr. Monica Montopoli

B.sc. Thesis: Analisi degli effetti della proteina p13^{ll} del virus HTLV-1 sulla produzione di specie reattive dell'ossigeno (ROS).

(Analysis of the effect of protein p13^{ll} of Human T-Cell leukemia/linfoma Virus Type 1 on the production of reactive species of oxygen (ROS)).

Supervisors: Vincenzo Ciminale, MD, and Dr. Micol Silic-Benusi

Local organizer:

Mini-symposium "Mitochondrial biology of the skin", University of Luebeck.

Speakers: Birch-Machin M. (New Castel), Wiesner R. (Cologne), Ibrahim S. (Lübeck), Knuever J (Lübeck), Vidali S. (Luebeck).

Conference Chairs: Paus R., Wiesner R.

LANGUAGE

Native Language: Italian

Other Language: English: listening and reading (C1 level), speaking and writing (B2 level).
German: listening and reading (B1 level), speaking and writing (A2 level).

For further information on Europass self-assessment, please refer to:
<http://europass.cedefop.europa.eu/LanguageSelfAssessmentGrid/en>

EMPLOYMENT HISTORY

- 2010-present PhD position at the department of experimental dermatology, University of Lübeck, Shleswig-Holstein, Germany.
2006-2009 Waiter and barman, Fiume Veneto (PN), Italy.
2004-2005 Customer assistant for s.p.a. centre "Dream Village", Cordenons (PN), Italy.

OTHER WORK EXPERIENCE

- 2012 Jun Veterinary Department of the University of Pisa, to establish dog and horse skin organ culture, based on our human culture techniques.
2011 Nov Two weeks of training in the Institute of Inflammation and Repair of the University of Manchester in the lab of the Dr. R. Watson to learn and establish human skin aging read-out parameters

COMPUTER SKILLS

Operating Systems: Windows 2000/XP/Vista, Bioinformatics, PyMOL, BLASTp, Expasy

Applications: Microsoft Office (Word, Excel, Power Point), Windows Media Player, Sigma-plot, GraphPad, Adobe photoshop

INTEREST & HOBBIES

Travelling and discover other countries' culture. Sports: swimming (I was part of a team of swimmers), mountain excursions, biking. Reading. Social activities (Scout for 17 years).

PUBLICATIONS

Vidali S, Knuever J, Lerchner J, Giesen M, Biró T, Klinger M, Kofler J, Funk W, Poeggeler B, Paus R. Hypothalamic-pituitary-thyroid (HPT) axis hormones stimulate mitochondrial function and biogenesis in human hair follicles. *J invest Dermatol*, in press

Langan EA, **Vidali S**, Pigat N, Funk W, Lisztes E, Biró T, Goffin V, Griffiths CE and Paus R. Tumour necrosis factor alpha, interferon gamma and substance p are novel modulators of extrapituitary prolactin expression in human skin. *PLoS One* (2013) 8(4):e60819

Silic-Benussi M, Cavallari I, Vajente N, **Vidali S**, Chieco-Bianchi L, Di Lisa F, Saggioro D, D'Agostino DM, Ciminale V. Redox regulation of T-cell turnover by the p13 protein of human T-cell leukemia virus type 1: distinct effects in primary vs. transformed cells. *Blood* (2010), 116(1):54-62

Published conference abstracts

Vidali S, Knuever J, Langton AK, Watson REB, Klinger M and Paus R

Thyroid hormones regulate key parameters of mitochondrial biology in human skin epithelium *in situ* and may exert anti-ageing effects.

IID 2013: J Invest Dermatol 133(S1):

Vidali S, Knuever J, Lerchner J, Giesen M, Bíró T, Kofler B, Klinger M, Poeggeler B, Paus R, **Key elements of the hypothalamic-pituitary-thyroid axis regulate mitochondrial biology in human hair follicles *in situ*.**

ADF/ADE 2013: Exp. Derm., 22:e14 (full manuscript submitted to J Invest Dermatol)

Vidali S, Knuever J, Lerchner J, Giesen M, Bíró T, Kofler B, Klinger M, Poeggeler B, Paus R, **Key elements of the hypothalamic-pituitary-thyroid axis regulate mitochondrial biology in human hair follicles *in situ*.**

EBEC 2012: BBA – Bioenergetics 1817(supplement): S124 (full manuscript submitted to J Invest Dermatol)

Langan EA, Vidali S, Bíró T, Goffin V, Griffiths CE, Paus R, **Substance P, interferon γ and tumour necrosis factor α are novel regulators of prolactin expression in human skin and hair follicles.**

ESDR 2012: J Invest Dermatol 132(S2):S107 abstract N°609 (full manuscript accepted in PloS ONE)

Kloepper JE, Baris OR, Weiland D, Reuter K, Niemann C, Kobayashi K, Vidali S, Tobin DJ, Wiesner RJ, Paus R, **Hair follicle and skin morphogenesis depend on mitochondrial respiration.**

ESDR 2012: J Invest Dermatol 132(S2):S105 abstract N°597

Kloepper JE, Baris OR, Weiland D, Reuter K, Niemann C, Kobayashi K, Vidali S, Tobin DJ, Wiesner RJ, Paus R, **Hair follicle development depends on mitochondrial respiration: Insights from keratin14 promotor-targeted Tfam knockout mice.**

SID 2012: J Invest Dermatol 132 (S1):S81 abstract N°478

Vidali S, Knuever J, Lerchner J, Balázs IT, Bíró T, Paus R, **Thyroid hormones regulate key parameters of mitochondrial biology and heat production in human skin epithelium *in situ* and may exert anti-ageing effects.**

ESDR 2011: J Invest Dermatol 131(S2): abstract N°344

Knüver J., Vidali S, Poeggler B, Gáspr E, Bíró T, Toth IB, Hellwig-Burgel T, Matthias K, Paus R, **Neuroendocrine control of mitochondrial function in human epidermis and hair follicles.** Accepted abstract for ADF 2011. Exp. Derm., 20(2):169-169

PRIZES AND AWARDS

Poster Prize: I Dermatoendocrinology satellite meeting (IID 2013), Edinburgh, Scotland.

Travel Grant: 6th International Investigative Dermatology meeting (IID 2013), Edinburgh, Scotland.

Best Poster Award 1st Prize: XVII ISBC conference (2012), Leipzig, Germany

Travel Grant: 41st annual European Society for Dermatology Research meeting (ESDR 2011), Barcelona, Spain.