

CURRICULUM VITAE

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NAME: *Eleonora CANDI*
BIRTH: 23 March 1967, Frascati (Rome)
ADDRESS: Via Fosso Acqua Mariana, 85 – 00040, Rome
telephone: work 39-6-7259-6469/6455 Fax 39-6-20427297
email: candi@uniroma2.it

PRESENT POSITION

Since 2002 Assistant Professor at the Department of Experimental Medicine and Surgery of the University of Rome "Tor Vergata".

EDUCATION

1995 Ph.D. degree in "Biology and physiopathology of the epidermis" at the University of Rome "Tor Vergata". Title of the experimental thesis : "Loricrin in the assembly of the cornified envelope: structural studies, and transglutaminase substrate properties".

1991 Doctoral degree (Biology). Final score 110/110 cum laude; experimental thesis at the Dept. of Biology University of Rome "Tor Vergata" on "Bradykinin effect on the transduction mechanisms on a rat fibroblast cell line (F208)".

PREVIOUS POSITIONS

5/1999 up to 5/2001: Telethon Research fellow at the Department of Experimental Medicine and Biochemical Sciences of Tor Vergata University. The position was supported by Telethon Grant. I was working on biochemical characterization of Transglutaminase 1 and on Lamellar Ichthyosis.

10/1997 up to 4/1999: Postdoctoral research fellow in biochemistry at the Department of Experimental Medicine and Biochemical Sciences of Tor Vergata University. Working under the supervision of Dr G. Melino and Professor A. Finazzi-Agro' on the biochemical characterization of Transglutaminase 5.

3/1993-9/1997 Visiting research fellow at the Skin Biology Branch, NIAMS-NIH, Bethesda MD (chief of branch Dr. P.M. Steinert). Here I worked on the expression and biochemical characterization of human loricrin SPRs and Trichohyalin. Also I studied Transglutaminases and structure-function relationship studies of Transglutaminase1 mutations in Lamellar Ichthyosis.

1-3/1993 Three months of sabbatical practical experience with a COMETT-FORUM grant in Neuroendocrinology laboratory of University of Bristol, UK. I worked under the supervision of Prof. S. Lightman on Somatostatin-induced apoptosis in neuroectodermal tumours (neuroblastoma and melanoma).

9-11/1992 Three months of sabbatical practical experience with a COMETT-FORUM grant in Immunology laboratory of Charing Cross & Westminster Med. Sch., London. I worked under the supervision of Dr. P Riches and Prof. JR Hobbes on cytokine expression in neuroectodermal tumors.

12/1991 Postdoctoral research fellow in cellular biology at the Department of Experimental Medicine and Biochemical Sciences of Tor Vergata University. Working under the supervision of Dr G. Melino and Professor A. Finazzi-Agro' on the differentiation of human neuroblastoma tumor cells induced by retinoic acid.

1988-1991 Graduate research student at the Dept. of Biology of the University of Rome "Tor Vergata" working under the supervision of Dr. S. Rufini and Prof. P. Luly on second messenger expression in fibroblast and neuroblastoma cell lines.

ACADEMIC EXPERIENCE

1997-2008 I have performed practicals, main lectures and exams in Biochemistry for Medical Students at the University of Rome Tor Vergata (Prof. A. Finazzi-Agrò).

2008 to date Teaching Molecular Biology in Medical Biotechnology course.

2009 to date Teaching Molecular Biology for students in Pharmacy.

2010 to date Member of the board of the PhD program in “Biochemistry and Molecular Biology” of the University of “Tor Vergata”.

EDITORIAL EXPERIENCE

2009 to date Editorial member of the Encyclopedia of Life Science, Molecular Biology, Elsevier.

Acting as referee for: Oncogene, Biochemical and Biophysical Research Communications, Journal of Investigative Dermatology, Cell Cycle, Cell Death Diff, Cell Death and Disease.

SCIENTIFIC INTERESTS

Programmed cell death (apoptosis) in epithelial models: (1) role of p63, homolog of p53, (2) role of microRNA in epithelial proliferation/differentiation and migration/invasion.

SCIENTIFIC PUBLICATIONS

I have published **93 papers**, including: : 9 PNAS-USA, 1 Nature Rev Mol Cell Biol, 1 Nature Medicine, 2 EMBO J, 1 Mol Cell Biol, 6 J Biol Chem, 5 Cell Death Differ, 1 Blood, 1 Nature Communications, 1 J Cell Biology, with H-index is 28 and total IF: 452. In 18 papers I am corresponding author.