

CURTI CV- INGLESE

Biographical Sketch

NAME DANIELA CURTI		POSITION TITLE ASSISTANT PROFESSOR OF PHARMACOLOGY	
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE	YEAR(S)	FIELD OF STUDY
University of Pavia, Italy	Degree (5 years)	06/1978	Biological Sciences
University of Pavia, Italy	Training	1979-81	Pharmacology
University of Catania, Italy	Training	01-06/1981	Biochemistry
University of London, UK	MSc	1982-83	Neurochemistry
University of Pavia, Italy	PhD equivalent	1984	Neuropharmacology
University of London, UK	Visiting researcher	1993-95	Neurochemistry

Position and Employment

1978: Honors Degree in Biological Sciences.

1978-1980: Bursary n.6507, from the University of Pavia, to work in the Institute of Pharmacology on mitochondrial energy metabolism and aging

1980/81: Institute of Biochemistry, Fac. of Medicine, University of Catania, lab of prof. A.M. Giuffrida Stella

1981: appointed "ricercatore" (Assistant Professor) in Pharmacology

1982-1983: Dept. of Biochemistry Institute of Psychiatry, University of London (De Crespigny Park, Denmark Hill) to work on cholinergic metabolism and choline uptake.

1983: Appointed "Master of Science in Neurochemistry" Faculty of Medicine, University of London

1984: confirmation "ricercatore" (assistant Professor Fac. of Sciences, University of Pavia.) in Pharmacology

1992-1996: Assistant professor of Molecular Pharmacology, Fac. of Sciences, University of Pavia

1993-1995: grant from the European Science Foundation to work (as visiting researcher), at the Dept. of Neuroscience, Institute of Psychiatry, University of London, on mitochondrial dysfunction in schizophrenia

1996-2004: Assistant professor Cellular and Molecular Pharmacology, Fac. of Sciences, University of Pavia.

2004-today: Assistant professor Neurochemistry and Neuropharmacology.

Other Experience and Professional Memberships

Training in neurochemistry, pharmacology, enzymology, polarography, confocal microscopy.

1981-today Member of the Italian Society of Pharmacology (SIF)

1993-2000: Member of the teaching collegium for the PhD in Neurobiology (Universities of Roma-Catania-Pavia), Italy

2006-today Member of the Teaching collegium for the Laurea Magistralis in Neurobiology, University of Pavia, Italy

2013-2017: Member of the teaching collegium for the PhD in Neurobiology (Universities of Roma-Catania-Pavia), Italy

2016-today: Coordinator of the Laurea Magistralis in Neurobiology, University of Pavia, Italy

I have been working in the field of mitochondrial energy metabolism, aging and neurodegeneration. Currently, my research is focused on motor neuron pathology. The scientific activity is documented by 54 articles published on peer-reviewed journals, and by abstracts and articles published on books, participation's to meetings with oral communications and posters.

Main research achievements:

- First observation of alteration of mitochondrial respiratory complexes in the autaptic brain and in lymphocytes of schizophrenic patients (Whatley et al., *Neurochem Res*, 1996; Whatley et al., *Molecular Psychiatry*, 1998).
- First description of mitochondrial and calcium homeostasis dysfunction in lymphocytes of patients affected by amyotrophic lateral sclerosis (ALS) (Curti et al., *Neurology*, 1996).
- Identification of complex I and IV as the main sites of mitochondrial alteration in murine models of motor neuron diseases (Bertamini et al., *European Journal of Neuroscience*, 2002; Santoro et al., *Neurobiology of Disease*, 2004).
- Description of neurosphere cell heterogeneity and of the presence of traits of the pathology in neurons and astrocytes differentiated from neural stem cells isolated from a murine model of motor neuron pathology (Betz et al., *Brain Research*, 2004; Diana et al., *Exp. Neurology*, 2010; Di Febo et al., *Exp. Neurology*, 2012).
- Identification of a potent and selective agonist of sigma-1 receptors (Rossi et al, 2011; Peviani et al., 2014; Marra et al., 2016a and b; Rui et al., 2016).