

# FEDERICO LUZZATI

# CURRICULUM VITAE

Born in Turin, Italy on 20.10.1974

**2001** Honors Degree in Biology at the University of Turin. Mark: 110/110 e lode

**2007** PhD in Neuroscience at the University of Turin

**From 2007** Post-doctoral scholarship from the University of Turin for research at the University of Turin

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## Scientific Activity

**1998-2001** Experimental thesis at the Department of Human and Animal Biology of the University of Turin (Prof. Aldo Fasolo). Thesis "*Structural plasticity in the adult rabbit brain*" working in collaboration with Prof. Luca Bonfanti, University of Turin.

**2001-2002:** Practical laboratory training at the Department of Human and Animal Biology of the University of Turin. Working on chain migration in the adult rabbit forebrain.

**2002-2006:** PhD in Neurobiology in the laboratory of Prof. Fasolo at the Department of Human and Animal Biology, University of Turin, Italy.

My PhD project has been the comparative study of neurogenesis in mammals. I've worked chiefly on the rabbit brain but in the end of the PhD period I've started a project on the guinea pig brain. In these mammals neurogenesis seems to occur in a wider number of brain regions than the Olfactory bulb and Hippocampus. The title of the thesis has been "Neurogenic Potential of some cortical and subcortical areas of the rabbit brain"

**From November 2006:** I am recipient of a Post-doctoral scholarship coordinated by Prof. Paolo Peretto in the laboratory of Prof. Aldo Fasolo at the Department of Human and Animal Biology, University of Turin, Italy. My Project deals with the comparative analysis of adult neurogenesis in mammals. In particular I am focusing mostly on the striatum in both physiological and pathological conditions.

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## Teaching Activity

**From 2006/2007** "Human anatomy" (24 hours) as part of the "Anatomy and Physiology" class (48 hours) for the degree course in Biomedical Physics, University of Turin, Italy.

**From 2007/2008 to 2009/2010** "Histology" (16 hours) for the degree course in Optics and Optometry, University of Turin, Italy.

**From 2010/2011** "Macromolecules" (24 hours) for the degree course in Biology, University of Turin, Italy

## Main Invited Seminars

Invited speaker at "IV International Course on Morphological Interpretation in Neuroembryology" organized by Prof. Luis Puelles in Murcia, Spain, 25-29 January 2007. The title of the talk was: "PSA-NCAM/Doublecortin (DCX) expression in extraverted neurons of the piriform cortex and neocortex: Facts and Evolutionary hypothesis."

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## Awards

By "Fondazione Ottolenghi" for best graduation thesis in Neuroscience at the University of Turin for the academic year 2001.

By IBRO werc, travel award for FENS 2004 in Lisbon

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## Pbblucations

### Peer Reviewed articles

**Luzzati F**, Bonfanti L, Fasolo A, Peretto P.

DCX and PSA-NCAM expression identify a cell population preferentially distributed in associative areas of different pallial derivatives and vertebrate species. *Cerebral Cortex*. 2009; 19(5) Pages, 1028-1041.

**Luzzati F**, De Marchis S, Fasolo A, Peretto P.

Adult neurogenesis and local neuronal progenitors in the striatum. *Neurodegener Dis*. 2007;4(4):322-7.

**Luzzati F**, De Marchis S, Fasolo A, Peretto P.

Neurogenesis in the caudate nucleus of the adult rabbit. *J Neurosci*. 2006; 26(2):609-21.

Giampietro C, **Luzzati F**, Gambarotta G, Giacobini P, Boda E, Fasolo A, Perroteau I.

Stathmin expression modulates migratory properties of GN-11 neurons in vitro. *Endocrinology*. 2005;146(4):1825-34.

**Luzzati F**, Peretto P, Aimar P, Ponti G, Fasolo A, Bonfanti L.

Glia-independent chains of neuroblasts through the subcortical parenchyma of the adult rabbit brain. *Proc Natl Acad Sci U S A*. 2003;100(22):13036-41

Peretto P, **Luzzati F**, Bonfanti L, Fasolo A.

Aminoacyl-histidine dipeptides in the glial cells of the adult rabbit forebrain. *Peptides*. 2000;21(11):1717-24.

### **Book chapters**

**Luzzati F**, Aimar P, Peretto P. Neurogenesis and structural plasticity in the postnatal and adult rabbit brain. In *Postnatal and adult neurogenesis*, 2008, Research Signpost, 215-229 ISBN: 978-81-308-0283-1