

# CURRICULUM VITAE

Family name: **PINTO**  
First name: **ANTONELLA**  
Date of birth: July 29<sup>th</sup> 1988  
Nationality: Italian  
Civil status: Single



## Education:

<i>Institution Degree(s) or Diploma(s) obtained:</i>	Lyceum "G. Fortunato" in Rionero in Vulture, Italy
<i>Date:</i>	2007
	Classical Baccalaureate with first-class honors
<i>Institution Degree(s) or Diploma(s) obtained:</i>	University of Pavia, Italy
<i>Date:</i>	2012
	Degree cum laude in Pharmaceutical Chemistry and Technology

**Present position:** PhD student in "Biomolecular Sciences and Biotechnologies" by the Institute for Advanced Study in Pavia (IUSS) at the Department of Drug Sciences, Laboratory of Biology and Pharmacology of Aging and Neurodegenerative Diseases, directed by Prof. Marco Racchi.

**Years within the organization:** 3 years

## Key qualifications:

Knowledge about biochemistry, cellular and molecular biology techniques applied to different research projects in the field of neurodegenerative disease.

In particular our research team studies:

- Alzheimer's disease, with the purpose to better understand and characterize the biochemical events correlated to soluble nanomolar concentrations of beta-amyloid (A $\beta$ ) 1-40 and 1-42 peptide, that lead to neuronal damage.
- Immunosenescence, mainly focused on the role of hormones, like physiological and synthetic glucocorticoids and DHEA, in the modulation of molecular pathways important for immune functions.
- Down Syndrome, in order to dissect the expression and function of new proteins involved in the autophagic pathway, focusing on their role in the context of neurological disorder.

Antonella Pinto is author of 6 publications in peer-reviewed journals

## Professional Experience Record:

<b>Date:</b>	From 6/2013 to 9/2013
Location	Taipei (Taiwan)
Company	Center of Genomic Medicine at National Taiwan University
Position	Exchange PhD student
<b>Date:</b>	From 1/2015 to 4/2015
Location	USA (San Diego, CA)
Company	Sanford-Burnham Medical Research Institute

Position	Exchange PhD student
<b>Date:</b>	From 4/2015 to 5/2015
Location	Italy (Pavia)
Company	University of Pavia
Position	Tutor for Experimental Pharmacology course

### Publication record

1. Corsini E, Galbiati V, Pinto A, Davin A, Polito L, Guaita A, Racchi M. Immunostimulatory effects of RACK1 pseudosubstrate in human leukocytes obtained from young and old donors. *Oncotarget*. 2015 Mar 30;6(9):6524-34.
2. Pinto A, Malacrida B, Oieni J, Serafini MM, Davin A, Galbiati V, Corsini E, Racchi M. DHEA modulates the effect of cortisol on RACK1 expression via interference with the splicing of the glucocorticoid receptor. *Br J Pharmacol*. 2015 Jun;172(11):2918-27
3. Corsini E, Pinto A, Galbiati V, Viviani B, Galli CL, Marinovich M, Racchi M. Corticosteroids modulate the expression of the PKC-anchoring protein RACK-1 and cytokine release in THP-1 cells. *Pharmacol Res*. 2014 March; 81:10-6
4. Corsini E, Galbiati V, Esser PR, Pinto A, Racchi M, Marinovich M, Martin SF, Galli CL. Role of PKC- $\beta$  in chemical allergen-induced CD86 expression and IL-8 release in THP-1 cells. *Arch Toxicol*. 2014 Feb;88(2):415-24
5. Prati F, Bartolini M, Simoni E, De Simone A, Pinto A, Andrisano V, Bolognesi ML. Quinones bearing non-steroidal anti-inflammatory fragments as multitarget ligands for Alzheimer's disease. *Bioorganic & Medicinal Chemistry Letters*. 2013 Dec 1;23(23):6254-8
6. Lanni C, Necchi D, Pinto A, Buoso E, Buizza L, Memo M, Uberti D, Govoni S, Racchi M. Zyxin is a novel target for  $\beta$ -amyloid peptide: characterization of its role in Alzheimer's pathogenesis. *J Neurochem*. 2013 Jun;125(5):790-9

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