

# CURRICULUM VITAE

Cognome: **POLITO**

Nome: **LETIZIA**

Data di Nascita: 23 Giugno 1982

Nazionalità: Italiana

Stato Civile: Nubile



## Educazione:

<i>Istituto:</i>	Liceo Scientifico
<i>Data:</i>	2001
	Diploma
<i>Istituto:</i>	Università Milano-Bicocca, Italia
<i>Data:</i>	2004
	Laurea in Biotecnologie Molecolari
<i>Istituto:</i>	Università Milano-Bicocca, Italia
<i>Data:</i>	2006
	Laurea magistrale in Biotecnologie Industriali
<i>Istituto:</i>	The Open University, Milton Keynes (UK)
<i>Data:</i>	2012
	Dottorato di Ricerca Internazionale in "Life and Biomolecular Sciences"

## Appartenenza ad associazioni professionali:

Membro dell'Associazione Italiana per la Ricerca sull'Invecchiamento (AIRIC)

**Posizione attuale:** Responsabile del Laboratorio di Biologia Molecolare presso la Fondazione Golgi cenci

**Data:** dal 01/2012

## Qualificazione professionale e ruolo:

Responsabile degli aspetti genetici e di epidemiologia molecolare di due progetti:

- Studio "InveCe.Ab": studio di popolazione longitudinale sulla salute e l'invecchiamento in soggetti anziani (NCT01345110, ClinicalTrial.gov). Ruolo: ricerca dei fattori di rischio genetici e dei marcatori biologici connessi all'invecchiamento di successo o al contrario alle patologie associate all'invecchiamento, con una particolare attenzione al decadimento cognitivo e alle malattie dementigene.

- Studio "Allena-Mente": uno studio clinico randomizzato e controllato con lo scopo di valutare l'efficacia della stimolazione cognitiva, rispetto a un trattamento di controllo, in soggetti anziani a rischio di sviluppare la demenza (NCT01793493 ClinicalTrial.gov). Ruolo: studiare l'influenza delle varianti genetiche sull'efficacia della stimolazione cognitiva.

Letizia Polito è autore di 32 pubblicazioni in riviste indicizzate con un numero di citazioni superiore a 500 e un H index di 11

## Esperienze professionali passate:

<b>Data:</b>	Dal 01/2007 al 09/2007
Luogo	Milano (IT)
Istituto	Istituto di Ricerche Farmacologiche Mario Negri

Posizione	Ricercatore
<b>Data:</b>	Dal 10/2007 al 12/2011
Luogo	Milano (IT)
Istituto	Istituto di Ricerche Farmacologiche Mario Negri
Posizione	Studente PhD

## **Pubblicazioni**

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 12. [Epub ahead of print]
2. Prati F, De Simone A, Bisignano P, Armirotti A, Summa M, Pizzirani D, Scarpelli R, Perez DI, Andrisano V, Perez-Castillo A, Monti B, Massenzio F, Polito L, Racchi M, Favia AD, Bottegoni G, Martinez A, Bolognesi ML, Cavalli A. Multitarget Drug Discovery for Alzheimer's Disease: Triazinones as BACE-1 and GSK-3 $\beta$  Inhibitors. *Angew Chem Int Ed Engl*. 2015 Jan 26;54(5):1578-82.
3. Guaita A, Vaccaro R, Davin A, Colombo M, Vitali SF, Polito L, Abbondanza S, Valle E, Forloni G, Ferretti VV, Villani S. Influence of socio-demographic features and apolipoprotein E epsilon 4 expression on the prevalence of dementia and cognitive impairment in a population of 70-74-year olds: The InveCe.Ab study. *Arch Gerontol Geriatr*. 2014 Nov 25.
4. Polito L, Davin A, Vaccaro R, Abbondanza S, Govoni S, Racchi M, Guaita A. Serotonin transporter polymorphism modifies the association between depressive symptoms and sleep onset latency complaint in elderly people: results from the 'InveCe.Ab' study. *J Sleep Res*. 2014 Oct 9.
5. Polito L, Abbondanza S, Vaccaro R, Valle E, Davin A, Degrade A, Villani S, Guaita A. Cognitive stimulation in cognitively impaired individuals and cognitively healthy individuals with a family history of dementia: short-term results from the "Allena-Mente" randomized controlled trial. *Int J Geriatr Psychiatry*. 2014 Sep 3.
6. Polito L, Chierchia A, Tunesi M, Bouybayoune I, Kehoe PG, Albani D, Forloni G. Environmental enrichment lessens cognitive decline in APP23 mice without affecting brain sirtuin expression. *J Alzheimers Dis*. 2014;42(3):851-64.
7. Guaita A, Colombo M, Vaccaro R, Fossi S, Vitali SF, Forloni G, Polito L, Davin A, Ferretti VV, Villani S. Brain aging and dementia during the transition from late adulthood to old age: design and methodology of the "Invece.Ab" population-based study. *BMC Geriatrics*. 2013 Sep 24;13(1):98.
8. Polito L, Kehoe PG, Davin A, Benussi L, Ghidoni R, Binetti G, Quadri P, Lucca U, Tettamanti M, Clerici F, Bagnoli S, Galimberti D, Nacmias B, Sorbi S, Guaita A, Scarpini E, Mariani C, Forloni G, Albani D. The SIRT2 polymorphism rs10410544 and risk of Alzheimer's disease in two Caucasian case-control cohorts. *Alzheimers Dement*. 2013 Jul ;9(4):392-9.
9. Porcelli S, Salfi R, Politis A, Atti AR, Albani D, Chierchia A, Polito L, Zisaki A, Piperi C, Liappas I, Alberti S, Balestri M, Marsano A, Stamouli E, Mailis A, Biella G, Forloni G, Bernabei V, Ferrari B, Lia L, Papadimitriou GN, De Ronchi D, Serretti A. Association between Sirtuin 2 gene rs10410544 polymorphism and depression in Alzheimer's disease in two independent European samples. *J Neural Transm*. 2013 May 28.
10. Olgiati P, Politis A, Albani D, Rodilossi S, Polito L, Zisaki A, Piperi C, Liappas I, Stamouli E, Mailis A, Batelli S, Forloni G, Marsano A, Balestri M, Soldatos CR, De Ronchi D, Kalofoutis A, Serretti A. Effects of SORL1 Gene on Alzheimer's Disease. Focus on Gender, Neuropsychiatric Symptoms and Pro-Inflammatory Cytokines. *Curr Alzheimer Res*. 2013 Feb 1;10(2):154-64.

11. Albani D, Mazzuco S, Polito L, Batelli S, Biella G, Ongaro F, Gustafson DR, Antuono P, Gajo G, Durante E, Caberlotto L, Zanardo A, Siculi M, Gallucci M, Forloni G. Insulin-like growth factor 1 receptor polymorphism rs2229765 and circulating interleukin-6 level affect male longevity in a population-based prospective study (Treviso Longeva--TRELONG). *Aging Male*. 2011 Dec;14(4):257-64.
12. Olgiati P, Politis A, Albani D, Rodilossi S, Polito L, Ateri E, Zisaki A, Piperi C, Liappas I, Stamouli E, Mailis A, Atti AR, Ferrari B, Morini V, Moretti F, Biella G, Forloni G, Papadimitriou GN, Ronchi DD, Kalofoutis A, Serretti A. Association of SORL1 alleles with late-onset Alzheimer's disease. findings from the GIGAS\_LOAD study and mega-analysis. *Curr Alzheimer Res*. 2012 May;9(4):491-9.
13. Polito L, Prato F, Rodilossi S, Ateri E, Galimberti D, Scarpini E, Clerici F, Mariani C, Forloni G, Albani D. A novel study and meta-analysis of the genetic variation of the serotonin transporter promoter in the Italian population do not support a large effect on Alzheimer's disease risk. *Int J Alzheimers Dis*. 2011;2011:312341.
14. Albani D, Tettamanti M, Batelli S, Polito L, Dusi S, Ateri E, Forloni G, Lucca U. Interleukin-1 $\alpha$ , interleukin-1 $\beta$  and tumor necrosis factor- $\alpha$  genetic variants and risk of dementia in the very old: evidence from the "Monzino 80-plus" prospective study. *Age (Dordr)*. 2012 Apr;34(2):519-26. Epub 2011 Apr 21.
15. Albani D, Polito L, Signorini A, Forloni G. Neuroprotective properties of resveratrol in different neurodegenerative disorders. *Biofactors*. 2010 Sep-Oct;36(5):370-6.
16. Politis A, Olgiati P, Malitas P, Albani D, Signorini A, Polito L, De Mauro S, Zisaki A, Piperi C, Stamouli E, Mailis A, Batelli S, Forloni G, De Ronchi D, Kalofoutis A, Liappas I, Serretti A. Vitamin B12 levels in Alzheimer's disease: association with clinical features and cytokine production. *J Alzheimers Dis*. 2010;19(2):481-8.
17. Albani D, Polito L, Forloni G. Sirtuins as novel targets for Alzheimer's disease and other neurodegenerative disorders: experimental and genetic evidence. *J Alzheimers Dis*. 2010;19(1):11-26.
18. Polito L, Kehoe PG, Forloni G, Albani D. The molecular genetics of sirtuins: association with human longevity and age-related diseases. *Int J Mol Epidemiol Genet*. 2010 Jun 20;1(3):214-25.
19. Drago A, Liappas I, Petio C, Albani D, Forloni G, Malitas P, Piperi C, Politis A, Tzavellas EO, Zisaki KK, Prato F, Batelli S, Polito L, De Ronchi D, Paparrigopoulos T, Kalofoutis A, Serretti A. Epistasis between IL1A, IL1B, TNF, HTR2A, 5-HTTLPR and TPH2 variations does not impact alcohol dependence disorder features. *Int J Environ Res Public Health*. 2009 Jul;6(7):1980-90.
20. Olgiati P, Politis A, Malitas P, Albani D, Dusi S, Polito L, De Mauro S, Zisaki A, Piperi C, Stamouli E, Mailis A, Batelli S, Forloni G, De Ronchi D, Kalofoutis A, Liappas I, Serretti A. APOE epsilon-4 allele and cytokine production in Alzheimer's disease. *Int J Geriatr Psychiatry*. 2010 Apr;25(4):338-44.
21. Albani D1, Polito L1, Batelli S, De Mauro S, Fracasso C, Martelli G, Colombo L, Manzoni C, Salmona M, Caccia S, Negro A, Forloni G. The SIRT1 activator resveratrol protects SK-N-BE cells from oxidative stress and against toxicity caused by alpha-synuclein or amyloid-beta (1-42) peptide. *J Neurochem*. 2009 Sep;110(5):1445-56. 1First co-authorship.
22. Albani D, Vittori A, Batelli S, Polito L, De Mauro S, Galimberti D, Scarpini E, Lovati C, Mariani C, Forloni G. Serotonin transporter gene polymorphic element 5-HTTLPR increases the risk of sporadic Parkinson's disease in Italy. *Eur Neurol*. 2009;62(2):120-3.
23. Albani D, Batelli S, Polito L, Vittori A, Pesaresi M, Gajo GB, De Angeli S, Zanardo A, Gallucci M, Forloni G. A polymorphic variant of the insulin-like growth factor 1 (IGF-1) receptor correlates with male longevity in the Italian population: a genetic study and evaluation of circulating IGF-1

from the "Treviso Longeva (TRELONG)" study. *BMC Geriatr.* 2009 May 21;9:19.

24. Albani D, Batelli S, Polito L, Prato F, Pesaresi M, Gajo GB, De Angeli S, Zanardo A, Galimberti D, Scarpini E, Gallucci M, Forloni G. Interleukin-6 plasma level increases with age in an Italian elderly population ("The Treviso Longeva"-Trelong-study) with a sex-specific contribution of rs1800795 polymorphism. *Age (Dordr).* 2009 Jun;31(2):155-62.
25. Serretti A, Liappas I, Mandelli L, Albani D, Forloni G, Malitas P, Piperi C, Politis A, Tzavellas EO, Papadopoulou-Daifoti Z, Zisaki A, Prato F, Batelli S, Polito L, De Ronchi D, Kalofoutis A. TPH2 gene variants and anxiety during alcohol detoxification outcome. *Psychiatry Res.* 2009 May 15;167(1-2):106-14.
26. Serretti A, Olgiati P, Politis A, Malitas P, Albani D, Dusi S, Polito L, De Mauro S, Zisaki A, Piperi C, Liappas I, Stamouli E, Mailis A, Atti AR, Morri M, Ujkaj M, Batelli S, Forloni G, Soldatos CR, Papadimitriou GN, De Ronchi D, Kalofoutis A. Lack of association between interleukin-1 alpha rs1800587 polymorphism and Alzheimer's disease in two Independent European samples. *J Alzheimers Dis.* 2009;16(1):181-7.
27. Albani D, Prato F, Fenoglio C, Batelli S, Dusi S, De Mauro S, Polito L, Lovati C, Galimberti D, Mariani C, Scarpini E, Forloni G. Association study to evaluate the serotonin transporter and apolipoprotein E genes in frontotemporal lobar degeneration in Italy. *J Hum Genet.* 2008;53(11-12):1029-33.
28. Batelli S, Albani D, Prato F, Polito L, Franceschi M, Gavazzi A, Forloni G. Early-onset Alzheimer disease in an Italian family with presenilin-1 double mutation E318G and G394V. *Alzheimer Dis Assoc Disord.* 2008 Apr-Jun;22(2):184-7.
29. Batelli S, Albani D, Rametta R, Polito L, Prato F, Pesaresi M, Negro A, Forloni G. DJ-1 modulates alpha-synuclein aggregation state in a cellular model of oxidative stress: relevance for Parkinson's disease and involvement of HSP70. *PLoS One.* 2008 Apr 2;3(4):e1884.
30. Albani D, Batelli S, Pesaresi M, Prato F, Polito L, Forloni G, Pantieri R. A novel PSENEN mutation in a patient with complaints of memory loss and a family history of dementia. *Alzheimers Dement.* 2007 Jul;3(3):235-8.
31. Gallucci M, Amici GP, Ongaro F, Gajo GB, De Angeli S, Forloni GL, Albani D, Prato F, Polito L, Zanardo A, Regini C. Associations of the plasma interleukin 6 (IL-6) levels with disability and mortality in the elderly in the Treviso Longeva (Trelong) study. *Arch Gerontol Geriatr.* 2007;44 Suppl 1:193-8.
32. Pesaresi M, Batelli S, Prato F, Polito L, Lovati C, Scarpini E, Quadri P, Mariani C, Albani D, Forloni G. The urokinase-type plasminogen activator polymorphism PLAU\_1 is a risk factor for APOE-epsilon4 non-carriers in the Italian Alzheimer's disease population and does not affect the plasma Abeta(1-42) level. *Neurobiol Dis.* 2007 Mar;25(3):609-13.

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